



# Improving state sector productivity

The Productivity Commission aims to provide insightful, well-informed and accessible advice that leads to the best possible improvement in the wellbeing of New Zealanders.

# Improving state sector productivity

Final report of the measuring and improving state sector productivity inquiry, volume 1

August 2018

### The New Zealand Productivity Commission

Te Kōmihana Whai Hua o Aotearoa<sup>1</sup>

The Commission – an independent Crown entity – completes in-depth inquiry reports on topics selected by the Government, carries out productivity-related research and promotes understanding of productivity issues. The Commission aims to provide insightful, well-informed and accessible advice that leads to the best possible improvement in the wellbeing of New Zealanders. The New Zealand Productivity Commission Act 2010 guides and binds the Commission.

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# **Foreword**

The Government has made raising New Zealand's productivity a priority, and for good reason. It is very difficult to improve individual and community wellbeing in a low-productivity environment. Raising the productivity of the state sector is one of the most important contributions government can make to national productivity.

This report is a summation of both specific research conducted for this inquiry and of findings from the Commission's earlier work. Many of the Commission's earlier inquiries have explored or touched on the productivity of public organisations and services. Over the course of these inquiries, the Commission has encountered recurring themes and problems with the operation of the state sector: poor monitoring, evaluation and use of data; risk-averse public agencies; overly restrictive rules and funding systems; and few rewards for improvements.

However, these problems are resolvable, with the right focus and determination. If there was one message to take from this report, it is that productivity improvements in core public services are possible. New Zealand's state sector management system is designed to make departments and other agencies responsive to ministers' priorities, and to generate the information needed to measure productivity. The fact there has been little progress on measuring and improving productivity in public services is largely due to a lack of prioritisation and demand for improvement.

The recommendations in this report are aimed at creating and sustaining a demand for higher productivity from the state sector. They include proposals to report on service productivity more regularly and consistently, build capability for effective productivity measurement, provide stronger financial encouragement for service improvements, and create checks to ensure state sector agencies have the right processes and mindsets needed to change their services for the better. *Measuring state sector productivity*, the companion volume to this report, is the Commission's guide to measuring the productivity of public services for officials and other interested parties.

A recurring theme in discussions about state sector productivity is the potential and opportunities for innovation in service delivery created by new technology. This focus makes sense, given the expansion of technology in market services, increasing public expectations of "seamless" 24/7 access to services, and a strong correlation between ICT spending and productivity. Accordingly, many of the recommendations outlined in this report – including clearer and higher expectations from ministers, better use of data and linking of existing datasets, higher quality commissioning and policy practice, and stronger rewards for performance – are designed to promote innovation in the way services are delivered.

A heightened focus on improving the productivity of the state sector will take some effort. However, there are opportunities and rewards for doing so, including the chance to better shape what the state does and how well it does it. The outcome should be public services that better meet the changing needs of New Zealanders, today and into the future.

Murray Sherwin, Chair, Productivity Commission

In a Sher

# About this inquiry

The terms of reference ask the Commission to undertake an inquiry into measuring and improving productivity in public services, and to provide guidance and recommendations on:

- how to measure productivity in "core" public services (health, education, justice and social support) at sector and service level;
- what role productivity measures should play in public sector performance frameworks; and
- how to develop the culture, capability and systems needed within government agencies to measure, understand and improve productivity.

Because of the broad scope of the terms of reference covering the health, education, justice and social support sectors – and in the interests of providing more accessible material and better tailoring the advice to different audiences – the Commission has produced two main documents:

- advice and recommendations to ministers and state sector leaders aimed at *improving state* sector productivity (this document); and
- guidance for officials on measuring state sector productivity.

Together, these documents fulfil the requirements of the terms of reference.

With respect to building capability, the guidance document will be turned into an online resource on the Commission's website, and the Commission is building a network of people across the state sector who can provide help and advice to officials when needed. The Commission has conducted case studies – from creating simple labour productivity ratios using routinely collected police call centre data, to constructing quality-adjusted productivity indices for tertiary education – to illustrate the range of measurement issues analysts may encounter.

The Commission explored cultural attitudes to efficiency and performance improvement in the state sector – canvassing the views of 20 current and former state sector leaders. Victoria University of Wellington's survey of Public Service Association (PSA) members provided insights into state sector organisations' ability to handle change, learn from mistakes and find new ways of working.

This is important because innovation is key to productivity improvement, opening up the possibility of providing more or better services using fewer resources. However, innovative ways of working or the adoption of new technology can only happen in an environment open to change.

To better understand how innovations take hold and spread in the provision of services, the Commission looked at an innovation in the delivery of primary health care services and the adoption and use of a new medical procedure in secondary care.

Together the research undertaken for this inquiry provides a richer picture, than has been available to date, of the "productivity landscape" and the potential for improvement in public

services. Figure 0.1 lists the full set of inquiry outputs. They are available on the Commission's website: www.productivity.govt.nz/statesectorprod

Figure 0.1 State sector productivity inquiry outputs



#### State sector productivity research

Measurement case studies



Fraser, H. & Nolan, P (2017). Understanding health sector productivity.

Gemmell, N., Nolan, P. & Scobie, G. (2017). Public sector productivity: quality adjusting sectorlevel data on New Zealand schools

Gemmell, N., Nolan, P. & Scobie, G. (2017). Estimating quality-adjusted productivity in tertiary education: methods and evidence for New Zealand

Genet, T. (2017). Productivity measurement case study: courts

Genet, T & Hayward, M. (2017). Productivity measurement case study: police

Green, N. (2017). Productivity measurement case study: early childhood education

Moore, S. & Hayward, M. (2017) Productivity measurement case study: Ministry of Social Development

Staff & leader perspectives



Pickens, D. (2017). Efficiency and performance in the New Zealand State sector Plimmer, G., Cantal, C. & Qumseya, T. (2017). Staff perceptions of performance and effectiveness in the New Zealand State Sector: further analysis of the 2016 Public Service Association survey on workplace dynamics.

Innovation research



Fraser, H., Gemmell, N. & Nolan, P. (2018). Measuring the diffusion of innovation among hospitals in New Zealand

Middleton, L., Dunn, P., O'Loughlin, C. & Cumming, J. (2018). Taking stock: primary care

Pacheco, G. & Dasgupta, K. (forthcoming). Health care homes

Performance management research



Knopf, E. (2017). History of efficiency measurement by the New Zealand health sector post-2000 Soligo, J. (2018). Promoting the utilisation of productivity measures

Articles



#### Promoting understanding of state sector productivity

Gemmell, N., Nolan, P. and Scobie. G. (2018). Quality Adjusting Education Sector Productivity, Policy Quarterly, 14(3)

Nolan, P. (2017). How to price public sector productivity, Public Finance, April, p. 20 (associated blog posted on Public Finance International)

Nolan, P. (2018). Measuring health sector productivity, Policy Quarterly, 14(3)

Presentations



Measuring and improving state sector productivity, Judy Kavanagh, Presentation to Health Roundtable New Zealand Chapter, 23 November 2017, Auckland

Improving the Productivity of Government Services, Professor Patrick Dunleavy (London School of Economics), Presentation to Productivity Hub Conference on Technical Change and Productivity, 13 February 2018, Te Papa, Wellington

Growing the Productivity of Government Services, Judy Kavanagh, Presentation to Productivity Hub Conference on Technical Change and Productivity, 13 February 2018, Te Papa, Wellington  $\textit{Measuring State Sector Productivity}, Patrick \, No \, lan, Presentation \, at \, the \, 59 th \, Annual \, Conference$ of the New Zealand Association of Economists (NZAE), 27-29 June 2018, AUT, Auckland  $The \ diffusion \ of innovation \ in \ the \ hospital sector, Patrick \ Nolan, Presentation \ at \ the \ 59th \ Annual \ and \ Annual \$ NZAE Conference

Measuring public sector productivity, Professor Norman Gemmell and Patrick Nolan, 24 March 2017, New Zealand Productivity Commission, Wellington

# 1 Why state sector productivity matters

At its most basic, state sector productivity is a measure of how well a government uses its available resources to deliver services to its citizens. Whatever the level of resources committed to public services, higher productivity allows government to provide more services or better quality services to achieve the greatest possible value for the community. Higher state sector productivity also contributes to gains in national productivity and, through that avenue, higher incomes and an expanded tax base.

To a significant extent, gains in state sector productivity will come from innovation. This mirrors what happens in the wider economy, where

growth comes largely from doing new things and shifting resources from less socially valuable old things to more socially valuable new things. Dynamic efficiency – which includes the reallocation of resources over time – counts for far more than simply getting more output (be it in terms of quantity or quality) per unit of input...policy makers need to pay particular attention to the factors that encourage or impede the development of new ways of doing things and the reallocation of resources. (Cullen & Ergas, 2014, p.4)

The New Zealand state sector is not alone in its need to innovate to boost productivity. The OECD has noted governments around the world are confronted with increasingly complex challenges, and that

...[g]overnments cannot meet these challenges by doing less, but most governments can no longer afford to do more of the same. More importantly, they are discovering that many traditional prescriptions have not been sufficient or effective, and that new, more agile and innovative solutions are needed. Failure to deliver risks a loss of trust and legitimacy. In order to keep pace with their changing environment, governments need to take immediate and bold action to catalyse the critical elements that support public sector innovation. (OECD, 2014, p.1)

Over the course of its past inquiries, the Commission has encountered impediments that stymie the efforts of New Zealand's state sector to deliver more or better services. In preparing this report, the Commission has drawn upon its previous work, as well as new research and case studies for this inquiry, to better understand productivity in the state sector and make recommendations to raise it. This report:

- discusses how improving state sector productivity is critical for raising both national productivity levels and improving the services the state provides for its citizens;
- outlines the features of a state sector required for productivity improvement, and describes what the Commission has observed about the state sector in New Zealand; and
- provides advice about system changes that can overcome the barriers to and encourage improvements in the productivity of the state sector.

# 1.1 Higher state sector productivity is important

## The state makes up a significant share of the economy

The Government has made raising national productivity a policy priority (Robertson, 2018a; Robertson, 2018b). Raising the productivity of the state sector is one of the most important contributions a government can make to national prosperity and wellbeing. The state makes up a significant share of the economy (Table 1.1) and is a major employer, accounting for around one in five full-time jobs. As a result, state sector productivity has a direct bearing on overall economic performance.

Table 1.1 Production measure of GDP, 2016

		\$ million	
Industry output (minus intermediate inputs)			233 137
Of which, public sector	36 831 (15.8%)		
Of which, public administration & safety		10 300 (4.4%)	
Of which, education & training		11 436 (4.9%)	
Of which, health care & social assistance		15 095 (6.5%)	
GST on production and import duties			21 566
GDP (production measure)			254 703

Source: Statistics New Zealand.

Like other developed countries, New Zealand is an increasingly service-based economy, with the service sector making up more than two-thirds of gross domestic product. Through funding or direct provision, government makes up the lion's share of social services of importance to individual and community wellbeing (Table 1.2).

Table 1.2 Government (non-market) provision in selected service sectors, 2016

Service sector	Non-market provision
Public administration & safety	92.4%
Education & training	85.8%
Health care & social assistance	55.6%

Source: Statistics New Zealand GDP tables; Productivity Commission.

## The productivity of core public services is not regularly measured

The productivity of many core public services is not regularly measured by departments, and barely features in public official accountability or performance documents (such as non-financial performance information in departmental annual reports or the budget estimates). The Commission encountered some examples where components of productivity are measured within the departments and agencies which are the focus of this inquiry. For example, the Ministry of Justice has developed measures of court efficiency and district health boards (DHBs) have developed means of weighting the complexity of their activities. The Commission has worked with the Ministry of Social Development and the New Zealand Police to develop indicators or frameworks for future measurement (Moore & Hayward, 2017; Genet & Hayward, 2017). Beyond this, however, activity and interest from social sector agencies in measuring service productivity is limited.

## Available data suggests state sector productivity has often been poor

National and sector-level data suggest that productivity in the state sector has been persistently low or has lagged growth in the wider economy. At a national level, Statistics New Zealand productivity data shows that labour productivity growth in the state sector as a whole, and also in the education and training sector (which is largely delivered through the state sector), has fallen well short of the measured sector (the private sector) and total economy (Figure 1.1).

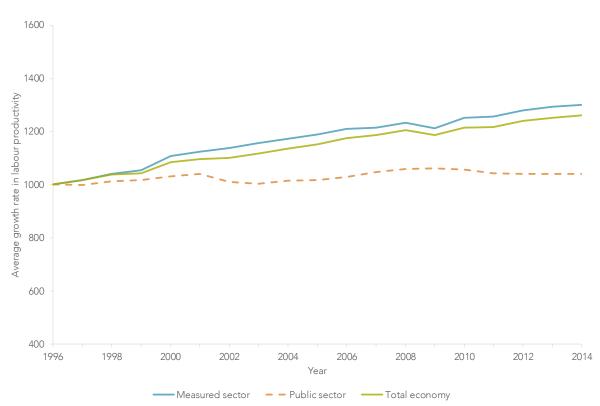


Figure 1.1 Average annual growth rates in labour productivity, 1996–2014

Source: Statistics New Zealand.

At an industry level, education and training and health and social assistance have lagged behind the measured sector on every measure of productivity over a 20 year period, with education and training experiencing negative productivity (Table 1.3).

Table 1.3 Annual changes in labour, capital and multifactor productivity by sector, 1996–2017

	Labour productivity	Capital productivity	MFP
Education & training	-1.4%	-2.7%	-1.7%
Health care & social assistance	0.8%	-0.8%	0.6%
Measured sector	1.5%	-0.1%	0.8%

Source: Statistics New Zealand.

# There has been a reliance on more employees as a means of producing more services

There are many reasons for these disappointing productivity results, discussed in more detail later in this report. However, one significant contributor is the heavy reliance on increasing labour inputs to produce more services (Table 1.4).

Table 1.4 Average annual rates of growth in labour productivity, 1996–2014

	Health & social assistance	Education & training	Central government	Local government
Output	4.0	1.1	2.8	2.6
Labour input	2.9	2.5	2.3	0.4
Labour productivity growth	1.1	-1.4	0.3	2.2
Share of public sector	38.0	32.0	27.0	3.0

Source: Statistics New Zealand; Productivity Commission.

## But more resources don't always guarantee better results

In a submission to this inquiry, Te Puni Kōkiri commented that: "each year, considerable amounts of funding and investment are directed through the state sector [therefore] improvements in productivity have the potential to deliver meaningful additional benefits for all New Zealanders, including Māori" (sub. DR27, p.2).

However, in its Better public services results for Māori report, Te Puni Kōkiri said:

The reality is that achievements are not being made for Māori to the same extent as for the total population, as evidenced in this report. While progress towards targets for the total population in the areas targeted is tracking positively and many might be achieved in the timeframe, progress for Māori is further away from doing so. (2017, p.5)

In its submission, Te Puni Kōkiri noted the need for a greater focus on system improvements and the connection of inputs to outcomes (sub. DR27, p.1).

There is a marked "disconnect" between inputs and outcomes in two areas of government spending, discussed further below.

In school education, real per-student funding increased by over 25% over 2003 to 2016, but student achievement appears to have declined (Figure 1.2).

540 \$6,000 530 \$5,000 520 \$4,000 per-student funding PISA score 510 \$3,000 500 \$2,000 490 Real \$1,000 480 470 \$0 2003 2012 2015 2004 2005 2006 2007 2008 2009 2010 2011 2013 2014 2016 Average PISA score - science Average PISA score - reading Average PISA score - mathematics Average real per student school funding

Figure 1.2 Real per-student school funding and average PISA scores, 2003-16

Source: Ministry of Education; Productivity Commission.

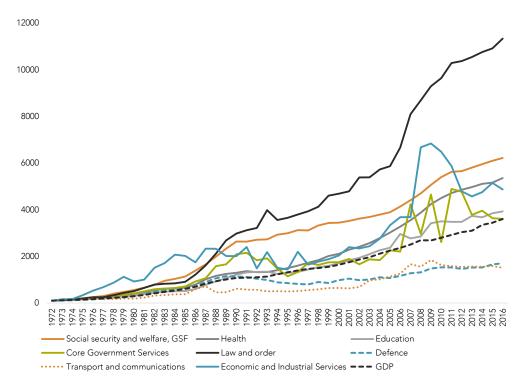
Note: Per-student funding numbers include property, operational and salaries funding for State and State-integrated schools.

Nominal funding rates deflated by June CPI results. PISA – the Programme for International Student Assessment – is a worldwide study of 15 year olds' academic performance on mathematics, science and reading. It is run by the OECD and held every three years.

In the justice sector, expenditure on prisons and police has grown at a faster rate than other sectors (Figure 1.3), and it has continued to increase despite crime rates steadily declining from the mid-1990s (Figure 1.4). The Prime Minister's former Chief Science Advisor reported that the "total cost [of] prisons has doubled since 2005, and tripled since 1996. Since 1972, criminal justice costs have grown twice as fast as any other category of government spending, and three times faster than GDP" (2018, p.12). Sir Peter Gluckman went on to note that it is "well established that incarceration rates are predominantly independent of crime rates", and concluded it is

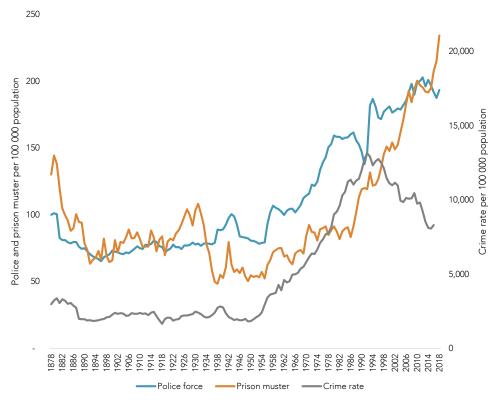
...important to consider whether these extremely high costs represent value for money for New Zealand, in terms of helping victims recover, keeping communities safe, reducing offending and reoffending, and getting people off the 'prison pipeline' (the apparently almost inevitable path from initial offending to escalating contact and eventual imprisonment, often with recidivism). Cost-benefit analyses, and research evidence, suggest they do not. (pp.5, 12)

Figure 1.3 Indices of core government expenditure, 1972-2016



Note: The large increase in "economic and industrial services" expenditure from 2008 is due to the introduction of KiwiSaver and associated subsidy costs.

Figure 1.4 Crime rate, police numbers and prison muster, 1878–2018



Source: Prime Minister's Chief Science Adviser, 2018; Ministry of Justice.

These costs are projected to rise. The Department of Corrections' most recent briefing to the incoming minister noted that:

- 49% of released prisoners will be re-imprisoned within five years, generating costs to Corrections of approximately \$650 million over the next five years
- the estimated welfare liability of people on community based sentences is estimated to be \$4 billion over the next 15 years. (2017, p.7)

## There are concerns about the sustainability of current spending patterns

There is no doubt public services have made significant contributions to improved wellbeing. For example, it is estimated that

health care contributed approximately one-third of the dramatic gain in health made by the New Zealand population over the past quarter century (approximately two years out of a six year gain in life expectancy). (Tobias & Yeh, 2009, p.77)

However, these gains have come at significant fiscal cost, with health spending growing at a much faster rate than GDP in all OECD countries, which has "generated concern about health system efficiency and motivated efforts to reform national health systems so as to raise productivity" (Tobias & Yeh, 2009, p.70).

Successive statements from the Treasury on New Zealand's long-term fiscal position have raised questions about the country's ability to afford the same or growing levels of public services into the future. The most recent Treasury statement projected government revenue and expenditure out to 2060, based on historical spending patterns and expected changes in New Zealand's demography (New Zealand Treasury, 2016). This model incorporates the fiscal pressures expected from an aging population.

The share of the population aged 65 and over is projected to grow from around 15% in 2016 to over 28% in 2068 (Figure 1.5).

People aged 65 and over consume more public services and resources than they contribute through the tax system, reflecting their retirement from the labour market, New Zealand Superannuation expenses, and higher health costs in the last two years of life (Aziz, Gemmell & Laws, 2013).

The Treasury's projections see healthcare costs grow from 6.2% of GDP in 2015 to 9.7% in 2060, driven by rising demand and prices and demographic change. Superannuation expenses will similarly increase from 4.8% of GDP in 2015 to 7.9% in 2060 (New Zealand Treasury, 2016).

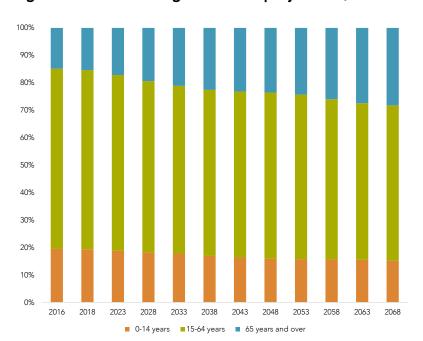


Figure 1.5 National age structure projections, 2016–68

Source: Statistics New Zealand.

Note: Graph shows the median (50th percentile) projection.

Technological disruption of labour markets is likely to create further pressures for governments worldwide. Around 14% of jobs in OECD countries face a "high risk of automation", with a further 32% likely to experience "significant changes to how they are carried out" (OECD, 2018).

Rapid change in employment patterns in New Zealand may see an increased demand for education services (for retraining) and more frequent interruption to individual earnings (and tax contributions). The Government has signalled that New Zealand needs to be prepared for technological disruption to employment, rapid labour displacement and the resulting distributional impacts (Robertson, 2018c). Higher state sector productivity will be a key part of any well-designed and coordinated government response to harness the changes presented by disruptive technology, in order to maximise New Zealanders' wellbeing.

# Lifting state sector productivity can provide better services and wider benefits

The scale of the potential gains that can be made by improving state sector productivity was modelled by the Treasury for its 2009 long-term fiscal statement:

A lift in public sector productivity would have a positive impact on the notional basket of services that could be delivered to the average New Zealander for a given level of spending. A 0.5 percentage point increase in our baseline assumption for annual public sector productivity growth, if sustained, would result in around 20% more public services per person after 40 years. (New Zealand Treasury, 2009, p.33)

Beyond helping to meet fiscal sustainability challenges, higher state sector productivity in core public services, like health and education, supports greater economic growth. As Cullen and Ergas (2014) note, health and education spending can be considered, at least in part, as investment rather than consumption:

Human capital in the form of education ... contributes to economic growth by altering the quality of labour inputs. Similarly, human capital in the form of health, which influences worker energy, effort and reliability, also contributes to economic growth. Initial work strongly suggested that health status was an important contributor to economic growth. More recent attempts to quantify this contribution have produced some dramatic results. A 2004 study found that a one-year improvement in a population's life expectancy contributes to an increase of 4 per cent in output. In the Australian context, a recent study found that a 1 per cent decrease in cancer mortality rates would result in a 1.6 per cent increase in GDP per capita. (p.15)

Improvements in health also influence "life cycle savings and capital accumulation, as individuals respond to the prospect of more years of retirement by increasing savings", thereby contributing to output growth through both labour productivity and a larger capital stock (Cullen & Ergas, 2014, p.16).

F1.1

Raising the productivity of the state sector is one of the most important contributions a government can make to national productivity and wellbeing. Higher state sector productivity would generate benefits for individuals and communities (in the form of better outcomes and more services), and the government (in the form of less pressure on public finances).

# 1.2 Innovation is key to productivity improvement

While more resources do not always generate better results, can fewer resources produce better results?

There are many examples of where doing things differently can both lower costs and improve quality – leading to higher productivity and better outcomes. Box 1.1 illustrates one example.

#### Box 1.1 Cost reduction comes at the expense of quality? Not for takahē

Innovations in conservation have led to higher productivity – lower per-unit cost and improved quality outcomes for the takahē population.

Takahē once lived throughout the South Island. Yet, only four takahē were sighted in the late 19th century and, by the early 20th century, they were considered extinct. Following their rediscovery in Fiordland in 1948, experts believed the 250 surviving takahē were safest left alone. Their haven in the Murchison Mountains was declared a "special area", off limits to all except a few scientists and deer cullers.

Takahē numbers continued to decline due to predation by stoats and competition with deer for food, reaching a low point of 112 in 1981. Since then, a huge effort has gone into studying and protecting takahē. Actions have included deer and predator control, manipulating wild nests and eggs, artificially incubating eggs, and captive breeding.

Wild takahē lay two to three eggs but generally can only raise one chick. Much effort has gone into turning "excess" eggs into chicks that can grow to become successful parents. Early attempts at captive breeding produced chicks that thought they were bantams or humans. Later, chicks were fed and brooded using glove puppets and models to minimise

contact with people. Puppet rearing chicks helped save takahē from extinction, but birds re-introduced to the wild were often poor parents of their next generation.

Chicks can learn food collection and parenting skills from foster parents, and these birds have been found to have better parenting success than puppet-reared chicks. While foster parenting has always been a part of the takahē breeding programme, the innovation was in scaling-up foster parenting and allocating excess eggs to takahē pairs with dependable parenting records, including infertile pairs.

With less human intervention required, costs fell from around \$15,600 per hand-reared chick to \$3,300 per foster-parented chick. The breeding centre is now producing around 35 chicks per annum, up from eight previously, within the same annual budget.

Higher numbers, together with improved chick quality, has allowed the rapid recovery of the species. The official takahē population is now 347 birds, aged one year and older. The species' 2016-17 growth rate of 13% was the highest on record. Importantly the number of breeding pairs – over 100 – has doubled since 2008. Suitable habitat in the Murchison Mountains is nearly full, so the Department of Conservation recently relocated 30 birds to Kahurangi National Park in an attempt to establish a second wild population. The species' long-term prospects are the best they have been for many decades.

Source: Department of Conservation, n.d.; Department of Conservation, 2018; Department of Conservation, 2017; Grezelewski, 2018; Grezelewski, 2012; Wickes et al., 2009; Lindsay Wilson, Department of Conservation, pers. comm., 12 July 2018; Glen Greaves, Department of Conservation, pers. comm., 12 July 2018.

Note: Per-chick costs exclude the infrastructure costs of both the new breeding programme and those required to continue the old programme. Available information suggests that, discounted over the expected infrastructure lifetime, these capital costs are small relative to operating costs on a per-chick basis.

An "innovation" can be a new idea, process or business model. It can lead to more effective services and better outcomes to meet existing needs. Innovation can also be the application of better solutions to meet new requirements or unarticulated or unmet needs.

In many cases, innovation will be made possible through the application of new (potentially disruptive) technology. The Government has a vital role in how it chooses to promote the innovative use of technology in the state sector.

Yet, the adoption of new technology or innovative ways of working can only happen in an environment open to change. Therefore, much of this inquiry has focussed on the characteristics and features of the state sector and the environment state sector agencies operate within (Chapter 2). The recommendations in Chapter 3 emphasise making changes to the authorising environment to promote innovation in public service delivery.

What are the characteristics that make an organisation more likely to generate and adopt innovation? Most research in this area has been conducted on private sector firms and organisations, much less so on the state sector. However, there are some generally applicable themes that emerge from the literature.

Organisations that are more likely to generate or adopt innovation:

- are often structured around semi-autonomous departments or units (Tornatzky & Klein, 1982), revolve around specific professional knowledge, and have decentralised decision-making structures (Damanpour 1991, 1992, 1996);
- tend to have leaders that champion new ideas and foster a culture of learning, experimentation and continuous improvement (Kimberly & Evanisko, 1981; Nystrom, Ramamurthy & Wilson, 2002; Meyer & Goes, 1988);
- can systematically identify and interpret information, and absorb new knowledge (Ferlie et al., 2001; Barnsley, Lemieux-Charles & McKinney, 1998);
- tend to be open to new ideas and ways of operating: staff can challenge existing practices, resources are allocated to understanding current performance, and staff are encouraged to seek out better ways of operating (Schein, 2010);
- are ready for change for example, staff in the organisation may recognise the current way of operating is unsustainable or flawed (Greenhalgh et al., 2008); and
- are "boundary spanners" because connections with other organisations provide the opportunity to share learning and transfer technical know-how (Damanpour, 1991; Greenhalgh et al., 2008).

Many of these organisational characteristics are evident in the Takahē Recovery Programme (Box 1.2).

### Box 1.2 Q & A: Innovation in takahē breeding

Recalling the improvement in the productivity of rearing takahē (Box 1.1), the Commission was interested to know how this innovation happened and whether the Takahē Recovery Programme exhibited some of the characteristics listed above. Glen Greaves at the Burwood Takahē Breeding Centre was generous in answering the Commission's questions.

Q: Did the innovation emerge from a specific research programme or was it "a bright idea from the front line"?

**A:** It was the latter. Really just taking the time, firstly to realise that the programme needed a new approach, and secondly to observe what aspects were working and could be expanded.

To get the growth needed to get out of the peak/trough population cycle, we could take two very different pathways: we could expand on the artificial incubation and puppet rearing methodology or, instead, recognise that takahē do a very good job on their own and try getting pairs to foster a chick.

At the same time, we were completing the analysis of the success of puppet-reared individuals following release into the wild. This question was on the takahē critical research to-do list for quite some time, but required a sufficient sample size to be of any value. The results aided the decision to scale up fostering.

### Q: Was the organisation open to trying a new approach and championing it?

A: Once presented to the team and the local manager, there was very good support. Given the context, where the Takahē Recovery Programme was under review and clearly in need of a new approach, upper management was very supportive and provided the infrastructure investment funding. This was a low-risk option, as the proposed regime had already been done on a small scale. We could therefore estimate with some accuracy how successful the new approach would be.

Q: Were there any institutional obstacles that needed to be overcome?

A: None that I can recall.

Q: Has the approach diffused to other species or other areas?

A: The only obvious example is the kākāpō recovery programme but, as the hand-reared birds are appearing to do well and adult kākāpō seem to do a poor job at rearing their young, hand-rearing is critical for increasing kākāpō chick survival.

We intend to publish the results once time allows, and modelling is updated with more recent data. Particularly interesting is whether the puppet-reared effect is intergenerational, and what affect the suppressed productivity has had on the Murchison Mountains takahē population performance.

The external environment also affects organisational innovation. For example, the state sector operates under rules, procedures and regulations designed to promote accountable, fair and transparent government. Ideally, these rules protect society's democratic values while providing room for socially beneficial innovation. However, if not well-designed and implemented, such rules can create inflexible organisations that impede innovation. The political environment is another key factor influencing state sector innovation. The importance politicians (particularly ministers) place on innovation can have a significant impact on the willingness of state sector organisations to experiment and innovate.

F1.2

Innovation is key to improving state sector productivity. There are organisational characteristics that make an agency more (or less) likely to innovate or adopt new ways of working. Political and external environments also make a difference to whether state sector agencies are encouraged to innovate to improve productivity.

# 2 The New Zealand state sector – features and experience

The state sector comprises many organisations, with varying missions, different customers, and complex relationships. Raising the productivity of public services is ultimately the responsibility of individual chief executives or, in the case of Crown entities, the boards of each organisation. Ministers can, however, affect the performance of agencies through the environment and expectations they set and the policy choices they make. At a high level, achieving productivity gain in public services requires a combination of actions, traits, and freedoms, by both elected representatives and public servants. These include:

- a determination from ministers, and strong signals to agencies, that productivity improvements are a priority;
- openness to new and potentially disruptive processes and technologies, including those from outside the state sector;
- agency commitment to the careful design of services, which considers the full range of delivery options, the outcomes the agency wants to achieve, the preferences and needs of clients, and evaluation requirements;
- rewards to agencies that achieve gains in productivity;
- an authorising environment that both sets high expectations and supports experimentation;
   and
- freedom for agencies, providers and other decision-makers to substitute, replace, or move inputs and resources, and decision rights set at the level where there is the best information to make decisions.

The state sector's current and recent operating environment lacks many of these characteristics. This chapter discusses barriers to improving state sector productivity, drawing on work conducted for this inquiry and the Commission's observations from earlier inquiries. The chapter also points to some promising advancements in the development and delivery of public services, which could be leveraged in future.

# 2.1 Barriers to lifting state sector productivity

Seven features of the state sector's performance and operating environment act as constraints on productivity growth (Figure 2.1).

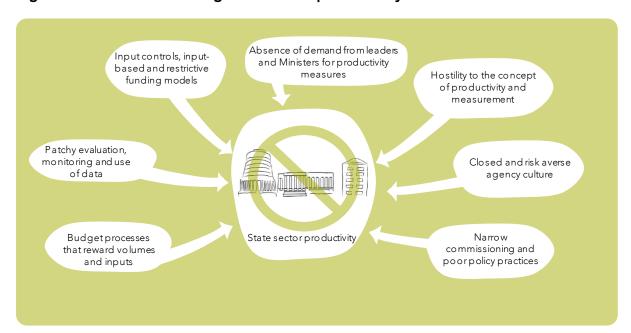


Figure 2.1 Barriers to lifting state sector productivity

# 2.2 An absence of demand for productivity measures

At first blush, the New Zealand state sector is well placed to measure its productivity. Its financial management system is based around the clear ex ante specification of outputs purchased by the Government, and performance standards for those outputs. Outputs must be costed (including, where relevant, depreciation and capital charge expenses) and expected performance specified in terms such as quantity, quality, cost, time and place of delivery. Departmental chief executives also have a statutory responsibility for ensuring "the efficient and economical delivery of the goods and services provided by the department...and how effectively those goods or services contribute to the intended outcomes" (section 32(1)(h), State Sector Act 1988). The intent of this model is to promote clarity of objectives for the Government and its agents, incentives for performance, and accountability to Parliament and the public.

However, many departmental leaders do not seek the information needed to support efficiency gains. A summary of the first round of Performance Improvement Framework (PIF) reviews of state sector agencies by the State Services Commission (SSC) noted there is "a lack of demand from senior managers for the sort of information and analysis they need to improve efficiency and, unsurprisingly, this is associated with a weak supply response" (SSC, 2013, p.34). This was due in part to "a lack of value placed by senior executives on strategic financial analysis that informs options and decision-making." (ibid).

The lack of demand for productivity-related performance information by agency leaders may also reflect the low importance placed on this information by ministers. During engagements with departments responsible for the core public services at the heart of this inquiry, a senior official told the Commission that productivity measures "were not a priority" for his Minister and hence would not be high on his agenda. This low prioritisation may be due to the fact that performance information can be a double-edged sword for elected representatives. As Van Dooren (2005) explains:

Performance measurement does not make politicians win or lose an election. However, the data that the performance measurement system yields may show weak performance. For

politicians, everything they measure can be used against them, so they claim the right to remain silent and not to measure. Politicians may indeed have a disincentive to collect data. (p.374)

F2.1

There appears to be little demand for, and little inclination to supply, productivity-related performance information on core public services.

# 2.3 Some officials are hostile to the concept of productivity

Some agencies and public officials appear to be averse to the concept of "efficiency" or "productivity" in public services. They can be actively hostile to requests for efficiency information and measurement. This occurs for several reasons.

One commonly held view is that measuring efficiency will distract energy (and resources) away from the "real" work of the agency – to provide services and improve outcomes for clients.

In our view, requiring agencies to measure more in order to provide the data needed to generate productivity calculations will create compliance issues and divert energy and resources...from other work supporting innovation and other aspects of performance. (New Zealand Public Service Association, sub. DR22, p.4)

Yet, the act of measuring activities can prompt service improvement. One such example is discussed in Box 2.1. The example shows that measurement conducted for productivity and business improvement can help uncover issues that improve a service by making it more client-centred and more responsive to client needs.

#### Box 2.1 Call management in a primary health care service

One of the service elements of the new Health Care Homes model of primary health care (discussed later in Box 2.4) is for telephones to be "answered in a timely manner". Thus, Health Care Homes accreditation requires patient call demand to be measured and monitored routinely by the service provider, with an enhanced call management approach and "time to answer" standards in place.

One community health service provider serving a very high-needs population reported initially being concerned that this type of measurement and monitoring might be too onerous (and not especially useful). However, the provider found that measurement forced it to look at its call drop-off rates and think about why patients were hanging up if their calls weren't answered straight away. Once the provider realised the reason was because most of their patients used cell phones, and waiting for a call to be answered was creating a cost barrier for them, it was more motivated to address the issue to provide a better service for its patients.

Source: A health service provider.

The argument that measuring productivity is a distraction and requires a lot of resources implies that the process of measuring productivity is very onerous, and requires a lot of new information to be collected. In fact, many agencies already collect a large volume of administrative data

which could be re-purposed to measure efficiency if the agency were motivated to do so. Some agencies are already doing this for some programmes (Moore & Hayward, 2017).

Another view is that focusing on efficiency might create perverse incentives that could undermine the achievement of outcomes or drive down service quality.

What did come through strongly in interviews was that social sector leaders and their staff are focused on making a difference for their communities. In this context, efficiency often carried with it negative connotations of cost cutting and compromised service delivery. (Pickens, 2017, p.5)

...a focus on productivity measurement as a public management tool is likely to result in perverse incentives in non-transactional services. Output measures are prone to gaming and, especially in the social sector, tend to have poor fit with improved outcomes for New Zealanders. (SSC, sub. 19, p.2)

It is true that measures can be gamed; see, for example, the discussion about Health Targets (Box 3.4). And *sole measures* are likely to skew incentives, so that "what gets measured gets managed". The Commission's argument is there are benefits to including measures of service productivity alongside other measures. This can ensure a balanced picture of overall performance is obtained, and send stronger signals about the importance of productivity for achieving the Government's policy objectives. Principles for developing measures, and the place of productivity measures in the overall performance management framework are outlined in section 3.3.

The Commission has found some resistance to the measurement of productivity across the state agencies that are the focus of this inquiry, in submissions to the inquiry, and in the interviews of state sector leaders undertaken by Pickens (2017).

F2.2

There is some active resistance to the concept of productivity and efficiency, based either on concerns about the effort required to collect information for productivity measurement, or concern that a focus on inputs and outputs will undermine the achievement of positive outcomes for New Zealanders.

# 2.4 Closed and risk-averse agency cultures inhibit innovation

The ability of agencies and providers to identify, develop and expand better ways of delivering public services depends to a significant degree on the cultures within those organisations. "Culture" in this context means the norms, values and beliefs shared by staff working in an organisation or within a profession. These include norms of behaviour and accepted wisdom about the factors that are important for organisational or professional success, and how this success is best achieved (NZPC, 2014).

The More effective social services inquiry found that, in many cases, agency or professional cultures do not appear to be conducive to innovation, experimentation and improvement (NZPC, 2015). Data, openness to debate, flexibility, and adaptability to change all matter for the performance of organisations (NZPC, 2014; 2015; 2017). As the SSC noted in a summary report of the first round of PIF reviews, discovering successful policies and practices depends in part on having "a willingness to question existing practice, try new things and review the effectiveness of different approaches" (2013, p.13).

Available evidence suggests the cultures in many core public service agencies do not reward and promote innovation and learning, nor do they tolerate failure. A survey of PSA members found indifferent to negative perceptions of state sector organisations' ability to handle change; their ability to learn from mistakes; and agencies' openness to learning and finding new ways of working (Plimmer, Cantal & Qumseya, 2017).

Others have pointed to the insular nature of state sector agencies as a barrier to service improvements:

The state sector also tends to do too much itself, leaning towards the status quo and not always looking for opportunities where others could provide the same – or better – services at better value. (Better Public Services Advisory Group, 2011, p.19)

...the state sector is generally a hermetically sealed system; self-informing and self-reliant...this is probably the greatest barrier of all to innovation by the public sector: that it relies upon the closed loop of its own society to deliver new ideas...(Methodist Mission Southern, sub. DR18, p.2)

More broadly, several commentators have highlighted risk aversion within the state sector and asymmetric rewards for innovation. GovTec World submitted to the inquiry:

A risk-averse, must not fail, output-focused culture in New Zealand government means agencies are reluctant to use risky innovative approaches. (sub. DR31, p.4)

Senior state sector leaders interviewed for this inquiry agreed that:

Government is too risk averse. In their experience, politicians and the public both tended to overreact to failure, even when failure was a small part of total activity and is necessary for innovation. This led to state agencies becoming reluctant to try new things in case of failure, and not sharing information on failure even though it may be useful to others. (Pickens, 2017, pp.27-28)

The Better Public Services Advisory Group concluded that:

Innovation is being stifled by a lack of capability, and an undue degree of risk aversion on the part of chief executives, boards and Ministers and little consideration of how to manage risk in this context. (2011, p.20).

Risk aversion is not just a feature of the sectors that are the focus of this inquiry. Risk aversion manifests itself in the state sector's operation in multiple ways: including rigid and hierarchical management structures, prescriptive internal approval processes, inflexible procedures for sharing information, and restrictive funding contracts. Many of these procedures and processes are designed to manage perceived risks to the agency or to ministers.<sup>1</sup>

Risk aversion in the state sector, to some extent, stems from the adversarial nature of the parliamentary system. In democracies, political debate and external scrutiny help promote transparent and accountable government, and provide an important check on the state's

<sup>&</sup>lt;sup>1</sup>For example, the Commission found that the culture of some regulators placed "significant weight on managing risks to the organisation, at the expense of the efficient management of social harm" (NZPC, 2014, p.98). Notably, almost half (48%) of regulatory chief executives surveyed by the Commission agreed with the statement "agencies are often too risk-averse when enforcing regulations" (NZPC, 2014, p.96).

coercive powers. As such, political friction is a central and essential component of New Zealand's system of government.

Yet, all democracies must strike a balance between political accountability on the one hand and creating an environment conducive to innovation on the other. An unsophisticated approach, which seeks to minimise rather than manage risk, stifles innovation and limits the opportunity for productivity gains. The Commission considers that a more robust understanding of risk, including taking a "portfolio" approach to public services instead of focusing on individual failures and successes, would better ensure the responsible use of public funds, and enable the innovation that supports improved services and greater productivity.

F2.3

The New Zealand state sector is intolerant of failure, which has the effect of stifling innovation.

# 2.5 Narrow commissioning and poor policy practices limit opportunities

Good policy practice and effective commissioning processes are critical to lifting state sector productivity.

## **Policy practice**

Good policy practice ensures state agencies are delivering the right types and set of services, by ensuring:

- services are designed to best meet the needs and characteristics of customers, thereby reducing the probability and incidence of "failure demand" (described below);
- there is a clear intervention logic between services and desired social outcomes, minimising waste, or misdirected effort; and
- existing services are reviewed to assess their impact, so they remain relevant, effective, efficient and well-targeted over time.

Policy capability and performance within the state sector has been under the microscope for some time, with:

- a government-appointed committee to review expenditure on policy advice in 2010;
- changes to state sector legislation in 2013 to strengthen the obligation on departmental chief executives to ensure their organisations have the "organisational health, capability, and capacity to offer free and frank advice to successive governments" [State Sector Act 1988, section 32(1)(c)], and
- the appointment of the chief executive of the Department of the Prime Minister and Cabinet (DPMC) as the Head of the Policy Profession and the "senior sponsor" of the Policy Project, which aims to lift "the policy game across the system" (Policy Project, 2015, p.2).

This attention does not seem to have led to consistent, system-wide improvement. The Policy Project found that:

Where agencies run internal quality panels they tend to concentrate on review before sign out of Cabinet papers and RIS [Regulatory Impact Statements]. Only a few agencies use panels for exante planning for quality, and real time feedback to colleagues, managers and teams.

Ex-post assessments tend to be a compliance exercise, often a once-a-year exercise to enable reporting of a quality score; less than half of the responding agencies reported that the findings of ex-post assessment led to agency or team level improvement initiatives. (2017, p.2)

#### Another Policy Project report commented that:

Most policy agencies rely on external reviews of their policy quality. These reviews are useful for benchmarking and tracking changes in the quality of papers over time. However, most assessments are limited to periodic reviews of papers which are assessed without any background information on context or process. Many agencies concede that they derive little added value from assessments...Agencies that have invested most in lifting the quality of advice have introduced a range of tools and processes – such as checklists, guidance, peer and panel reviews – and use reviews of quality for learning and development purposes. In short, building a culture of constructive challenge and feedback and a commitment to quality assurance is critical to lifting quality and consistency of policy advice. (Policy Project, n.d, p.10)

F2.4

Many agencies lack the systems or cultures necessary for ensuring the quality of policy advice.

## **Commissioning processes**

"Commissioning" is a subset of policy development and refers to "a set of inter-related tasks that need to be undertaken to turn policy objectives into effective social services" (NZPC, 2015, p.128). Commissioning is the process of selecting the right service delivery model (including, but not limited to, delivery through public agencies), and includes several steps, namely:

- assessing customer needs, and understanding gaps or overlaps in current service provision;
- designing solutions, including identifying the most appropriate service model;
- identifying and selecting the best way to deliver, structure and fund the services;
- monitoring ongoing performance to ensure effectiveness, sustainability and continuous improvement; and
- evaluating and monitoring outcomes, including comparing performance against original expectations. (Social Investment Agency, 2018)

Better commissioning, and the resulting alignment of service design and delivery with client needs and characteristics, can raise productivity. The OECD (2011) has noted that empowering and more directly involving clients in the delivery of services (eg, by providing greater choice of provider, or offering client-directed budgets) "can offer a new approach to deliver more or the same with less by tapping into individual resources and reducing the need for expensive services...[and] can help increase service effectiveness" (p.33). The Commission also found its inquiry into *More effective social services* that there is good evidence that (under the right circumstances) empowering people to make these choices significantly improves their wellbeing.

An example of how one agency is applying commissioning techniques to improve the access and effectiveness of respite care can be seen in Box 2.2.

## Box 2.2 Rethinking service models: Transforming Respite Strategy

The Ministry of Health (MoH) spends approximately \$61 million per year on disability respite services. Traditionally, most respite services have been supplied through contracts with respite providers (with some services also purchased via Individualised Funding).

In consultation with people with disabilities and their families/whānau, MoH identified numerous problems with this model of service delivery, including:

- inflexible services that did not meet people's needs;
- difficulties in accessing services;
- respite options that did not provide value for money; and
- inconsistency in the services available throughout the country.

In 2017, MoH released *Transforming Respite: Disability Support Services Respite Strategy 2017 to 2022.* The strategy signalled a movement away from a funding model focused on centrally-purchased services, towards a model that prioritises outcomes and greater choice and control for people with disabilities. The strategy notes:

The Ministry would like to move to outcomes-based respite models. This will require reconsideration of the current funding model so that we can move away from paying for respite beds that may not be used and focus the available funding on providing choice for families/ whānau that deliver value for money. (p.11)

A key component of the strategy is to offer family/whānau a flexible respite budget. Budgets can be used to meet the specific respite needs of the family/whānau – whatever those needs are. This approach is expected to stimulate innovation, and lead to a wider range of high-quality respite options within two years.

Source: Ministry of Health, 2017.

However, the Commission concluded in its inquiry into *More effective social services* that, in general, social sector agencies do not consider the full range of service models available, preferring instead to rely on a smaller number of options (eg, in-house provision, contracting out for services, and managed markets).

Traditional service options often leave limited or no room for customers to choose their provider or affect the nature of delivery. These also provide few incentives for providers to respond to client preferences or feedback. Methodist Mission Southern wrote in its submission to this inquiry:

Notably, the customers /clients / students / patients / users of state sector or state sector purchased services do not usually have easy recourse to an alternative supplier. In the case of social service clients, even where there are alternative providers in the same market, the

clients' knowledge of those services, their willingness, and their ability to switch, even if they recognise that the service they are receiving of insufficient quality, are profoundly limited.

It is simply not possible in social services for the customer to signal to state sector providers their desire or interest in product or service differentiation or iteration. With no feedback from the primary users, the sector innovates – if it does at all – in the absence of any real customer information. (sub. DR18, pp.1-2)

The Commission also found unresponsiveness to customer preferences during its inquiry into New models of tertiary education:

Students may change their mind about a field of study or provider, or want to change the qualification level they are studying towards. Students may be unhappy with the quality or type of education they are receiving or may just realise they have made a mistake. But the system does not support students to change their path or to have their credit or prior learning recognised. The way government measures and rewards provider performance means providers have little incentive to help students change their course of study. (NZPC, 2017, p.5)

In some services, greater client choice is neither practical nor desirable (eg, the location of, and access to, specialist medical services), but agencies often do not seek to compensate for this by creating alternative customer feedback loops, or by using existing client feedback to improve services.

Similar conclusions were reached by the Better Public Services Advisory Group, which noted a "weak customer focus" in the state sector and "feedback mechanisms [that] are not well developed" (2011, p.19). The Advisory Group attributed this poor focus to "agency capability and a reluctance to open up areas of information and decision-making that have traditionally been out of bounds" (p.35).

The More effective social services inquiry also found that commissioning approaches were often poorly targeted to client needs, leading to ineffective delivery and failure demand (NZPC, 2015, p 98). "Failure demand" is a term, often used in the call centre environment, to describe situations where clients interact many times with the service provider because the original service didn't meet their needs. This creates what appears to be "demand", which requires more resources to meet. Multiple calls from schools to Education Payroll Ltd (EPL) to sort out problems is an example of failure demand that was tackled in 2015, after the roll out of a new payroll system for schools in 2012. (Box 2.3)

### Box 2.3 Failure demand in Education Payroll Ltd

EPL was established in late 2014 to take over the management of paying teacher and school employee salaries from the troubled previous provider (Novopay). In the course of trying to understand the source of the problems with the payroll system, EPL staff discovered that much of the traffic with schools was driven by poor quality initial service:

We needed real information, so from November 2015 we embarked on a process of "understanding" where we mobilised our people to listen to what the schools wanted and capture details of how they interacted with us. We traced how individual transactions flowed through from schools to EPL and back again – often many times! We collected a massive amount of data. We spent time visiting schools and in the call

centres observing and listening to our people to understand the system they operate in.

We found that the majority of our interactions with schools were not adding value to the purpose – and this was not efficient for schools or EPL. They also were the root of dissatisfaction and frustration for schools and our people. These were called *failure demands* and a result of processes not working well but most importantly showed that we were not focused enough on what the school administrators needed.

Source: 2017 IPANZ Excellence Award application; Stephen Crombie.

The EPL experience demonstrates that reducing failure demand can improve satisfaction with services and decrease costs. EPL reported that, by early 2017, there had been a 12% increase in schools' satisfaction with the overall quality of service delivery. Yet, in the busy period of 2016/17, the costs of additional labour reduced by 28%. New debts generation (a key "end to end" indicator) had reduced by 48% (pers. comm.).

F2.5

Agencies' approach to commissioning can leave limited room for customer input into design and delivery; and can be poorly targeted, leading to ineffective delivery and failure demand. Traditional commissioning approaches limit the scope for innovation and improved productivity in service delivery.

# 2.6 Input controls, input-based or restrictive funding models stifle innovation

New Zealand's public sector management system is based on government purchase of outputs, and on managerial freedom to choose inputs. Despite this, many agencies face controls on the use of their own inputs, or apply rigid or input-based funding models when commissioning services from other providers. These controls can stifle innovation and inhibit productivity improvement.

Redesigning existing services and processes to achieve greater effectiveness and efficiency can require changing the mix of inputs used. For example, the automated passenger clearance system SmartGate, which allows people to enter and leave New Zealand at international airports without being manually processed by immigration staff, involved replacing people with technology. SmartGate has allowed the New Zealand Customs Service to process more passengers more quickly and with shorter queues, manage New Zealand's increasing passenger volumes (without compromising security), and do so with no need for extra staffing or airport space (SSC, 2012; Tyson, 2014; New Zealand Customs Service, 2017).

In the case of SmartGate, the change in input mix was driven by ministers and by external factors.<sup>2</sup> The Australian Customs and Border Protection Service were trialling SmartGate and had made it available to the New Zealand Customs Service to trial, and the Australian and New Zealand Prime Ministers had agreed to streamline and simplify trans-Tasman air travel (Tyson,

 $<sup>^{\</sup>rm 2}$  See Table 3.1 for the roles Ministers can play in supporting innovation.

2014). However, in many cases, this type of innovation will rely on agency managers having the freedom to innovate and change input mixes.

Another example is the primary health care model Health Care Homes, which aims to provide faster, better-targeted services by changing the traditional input mix in primary health care – making greater use of nurse practitioners, health care assistants, and technology (Box 2.4).

#### Box 2.4 Health Care Homes

The Health Care Home (HCH) model of care is a new primary care service model being implemented in about 128 general practices across New Zealand. Practices are changing the mix of inputs (in the form of staff time, practitioner tools, and business activities) to better manage the mix of acute, routine and preventive treatments.

The HCH model was originally adapted by the Pinnacle Midlands Health Network Primary Health Organisation (PHO) from a model used by Group Health in the United States. The HCH model then began operation in three practices in Hamilton in 2010. An HCH Collaborative was formed in 2016 by the four largest PHOs in New Zealand, to support general practices to implement HCH, and to undertake formal accreditation of practices against the HCH model of care requirements published [by the Collaborative] in 2017. Some DHBs and the Royal College of General Practitioners are also members of the Collaborative.

The HCH model aims to address primary care sustainability issues – such as increasing demand, a growing GP shortage, an ageing population, increasing pressure on hospital services (both emergency department and inpatient services), and finite resources – by increasing efficiency, expanding staff roles, and giving practitioners tools to better manage their time and resources. The HCH model also aims to improve patient access and outcomes with a more patient-centred approach, which enhances and simplifies the patient experience.

The HCH model has four domains: urgent and unplanned care, proactive care (for patients with more complex needs), routine and preventive care, and business efficiency. Each domain has a set of 20 service elements and 42 characteristics, which are over and above the traditional general practice model.

The "characteristics" describe inputs (or activities) that can be varied or extended to fully implement the HCH model. These include: having a care plan in place for patients; providing a named care coordinator for complex needs patients; using population stratification to identify complex needs patients; actively monitoring or managing patient waiting times; using GPs for telephone triage; and using an interdisciplinary approach. These inputs (or activities) can all be expanded and changed over time to achieve the goals of the model.

Source: Ernst & Young, 2017.

While, in the case of SmartGate, ministers supported innovation in passenger clearance through a change in input mix, input controls on state sector activities are common and more pervasive. Input controls are typically used to limit expenditure when there are budgetary pressures or for political "optics". For example, governments have imposed caps or limits on public service

staffing, or directed that expenditure should be used to increase "front line" staff rather than back office services.

Such controls can be a necessary "second-best" option when other approaches are inadequate or politically unavailable, but tend to have perverse impacts over time. The recent Cabinet paper removing the cap on core government administration staff noted that controls on the number of staff can inhibit innovation by restricting "the ability of agencies to improve services through transformational change", as large-scale transformational change "often requires a significant initial investment in staff" (Office of the Minister of State Services, 2018, p.2).

Another barrier to the pursuit, spread, or scaling-up of innovations are prescriptive, input-based funding models. The Commission encountered these in its inquiries into *More effective social services* and *New models of tertiary education*.

[In the social services sector] the need for accountability and political risk management favours the use of prescriptive contracts, short contract periods and onerous reporting requirements. These factors work against the development and spread of innovation. (NZPC, 2015, p.7)

The tertiary education system is controlled by a series of prescriptive regulatory and funding rules that dictate the nature, price, quality, volume and location of much delivery. These controls have extended over time as a result of different financial, quality and political risks. Together they constrain the ability of providers to innovate, drive homogeneity in provision, and limit the flexibility and responsiveness of the system as a whole. (NZPC, 2017, p.3)

In the case of the tertiary education system, the funding approach had the effect of discouraging providers from enrolling "hard-to-reach, hard-to-teach" students, thereby acting against government's objective of improving equitable access.

The DHBs commented in their submission to this inquiry that the health sector's funding models discouraged the pursuit of lower-cost service approaches.

The health system is currently trapped in a model that compares limited sets of this year's activity against the plan/budget with no longitudinal or trend view and little incentive to invest in activity that will reduce the future need of a population for health services. In fact in many facets of the current construct there is an absolute disincentive to become more efficient or move services to a lower cost form of delivery. (sub. DR29)

Undemanding approaches to contract management can discourage providers from seeking new and better ways of delivering services. Methodist Mission Southern observed that:

It has also become the habit of funders such as MSD and Oranga Tamariki to roll over contract provision, removing the stress for 'successful' providers of reapplication and contest. This is a kind of 'contracting for a satisfactory minimum' and acts, inadvertently, as a barrier to innovation. (sub. DR18, pp.2-3)

Another consequence of current funding models is limited reallocation of funds from poorly-performing programmes. Even where new pilots or new programmes are found to be failing to meet their objectives, or are inefficient in meeting their goals, many of these are not ended. (Pickens, 2017)

F2.6

Overly prescriptive funding models are constraining innovation in public services. Prescribing how inputs are to be deployed, or setting decision rights at the wrong level, can also increase the costs of services without leading to greater effectiveness.

# 2.7 Budget processes reward volumes and inputs, rather than productivity

The budget system currently provides weak incentives for agencies to seek productivity improvements in core public services. These weak incentives are the result of several factors:

- The weakness of review mechanisms. The initial stage of the annual budget cycle is meant to encourage examination of how well existing baselines are being used (New Zealand Treasury, 2011) but, in practice, most effort and attention is directed towards proposals for new spending (Norman, 2003; Pickens, 2017). There is little regular and systematic review of the value for money from existing expenditure.<sup>3</sup>
- The dominance of volume- or input-based funding formulae in core public services, such as in education and health.
- Conflicting priorities: a state sector leader interviewed for this inquiry "evidenced an occasion where they offered up savings to their Minister, only to have that offer declined. 'Waste is not always top of mind, they said.'" (Pickens, 2017, p.22)

The public sector financial management system does have built-in processes to encourage efficiency and review, such as fixed nominal baselines and four-year plans. Under the former, appropriations are fixed and, in general, only change where a specific decision is taken to change appropriations. Agencies are expected to absorb price increases – they are, effectively, subject to an efficiency dividend equivalent to the rate of inflation. Some senior state sector leaders interviewed by Pickens argued these constraints were positive for productivity.

Some interviewees felt government budget disciplines provide a strong incentive for innovation, in particular with respect to productive efficiency. One described how, when confronted with severe budget constraints, an organisation may have to think outside the square to prevent organisational failure or severe hardship for clients. One interviewee suggested efficiency only becomes a top priority when entities are in trouble – for example, when they are at risk of overspending. Another said the tighter budget constraints accompanying the global financial crisis had encouraged efficiencies. (2017, p.21)

However, for some core public services, the constraint of fixed nominal baselines has only limited effect. Increases to volume-based funding models through the annual budget round are commonplace.

<sup>&</sup>lt;sup>3</sup> However, there have been occasional exercises to seek across the-board efficiencies, such as the 2009 "line-by-line review" and a one-off "efficiency dividend" sought from departmental baselines in 2011.

Four-year plans (4YP) are designed to provide an integrated view of an agency or sector's medium-term strategy. SSC and Treasury guidance states that:

The 4YP shows how a department plans to create increasing value for New Zealanders (or particular target groups). It gives a view of strategy and delivery plans across the next four years, set in the context of the department's strategic objectives.

It is an integrated strategy for the department's interventions, people and other resources to move towards the department's strategic objectives. Where demand or ambition exceeds resources, the plan should identify the choices to manage pressures and challenges within baselines...

The purpose of a 4YP is for Ministry leaders, in consultation with Ministers and the Corporate Centre to shape and set out the medium-term view for a department. The 4YP is a key strategic planning document, giving assurance that departments are fulfilling their stewardship obligations (under the State Sector Act 1988) and focussed on sustainability (as required by the Public Finance Act 1989). (SSC / Treasury, 2017, p.7)

The Office of the Controller and Auditor-General has been critical of many departments' fouryear plans, commenting that:

- Preparing four-year plans was not always fully integrated into a department's boarder strategic planning process. This is important so that a four-year plan provides a complete and consistent view of a department's medium-term strategy that aligns with other strategic plans and policies.
- I expected four-year plans to provide good information and discussion about the trade-offs
  a department intends to make. This did not always occur. For example, a department that
  identified funding shortfalls did not always consider how it would address these shortfalls.
  This made it difficult to understand and assess any trade-offs needed, such as changes to
  service levels.
- The guidance published by the Treasury and the State Services Commission makes clear that four-year plans should include financial information for all the Votes and appropriations administered by departments. However, there was little information in four-year plans on capital and asset management using this broader lens. For the departments my staff reviewed, departmental expenditure was only 21% of total Vote expenditure and departmental assets were only 29% of the total asset value of the department and the Crown entities they monitor (OAG, 2017a, pp.3-4).

In some cases, government has attempted to shift away from volume-based funding. For example, the 2001 *Primary Health Care Strategy* introduced capitation-based funding for primary health care, in an attempt to shift the focus from maximising patient consultations to new models of care that would improve health outcomes among the enrolled population. However, as Middleton et al. (2018) noted in a paper prepared for the Commission:

Despite the moves to capitated funding, a significant proportion of general practice income is still derived (and continues to derive) from patient co-payments. The result has been that incentives over the years have continued to prioritise the volume of primary care over new models of care. This was a concern in 2008 and was still apparent when those we interviewed explained the importance of the careful positioning of an innovation like telephone triage as part of the HCH model of care. The introduction of telephone triage, it was explained to us, could result in less practice income from co-payments, which has

meant PHOs have needed to provide additional funding or demonstrate that practice visit volumes would be maintained. In Canterbury, early changes to the configuration of primary care funding were made to overcome the incentive for general practices to prioritise the volume of care. In other parts of the country, despite the early expectations that capitation would shift incentives, the existence of patient co-payments continues to blunt the impact of capitation. (p.26)

Greater attention has also been paid in recent budget rounds to strengthening evidentiary and evaluation requirements for new spending initiatives, including those listed below.

- The introduction of formal cost-benefit templates ("CBAx") for many new proposals in the 2016 and 2017 Budgets. CBAx draws off existing government datasets on individual education, health and other social outcomes, and encourages agencies to illustrate the net social benefit from their proposed new initiatives.
- Dedicated funding allocations for rigorous, data-based proposals ("Track 1" in Budget 2017, which comprised \$321 million). This funding came with tougher evaluation expectations, and was designed to test new ways of improving the lives of vulnerable people.

Budget 2018 did not have an equivalent "Track 1" process, in part because the Government is formally reviewing how it will use investment and analytic models in future (Kirk, 2017).

F2.7

Despite built-in processes to encourage efficiency and review, and some recent improvements to evidentiary and evaluation expectations, the incentives in the budget system for agencies to seek productivity gains in core public services are weak.

# 2.8 Patchy monitoring, evaluation and data use make governments myopic

Designing and implementing effective and efficient services is often an iterative process, with regular feedback and review required to ensure the desired impacts are achieved. This is typically presented as a cycle (Figure 2-2).

For this process to work well, policy designers need to think about their information needs at the design stage, collect the data and monitor trends, and then adjust policy settings accordingly. For established programmes, government agencies should look to expand and improve information sources over time, in order to better understand performance. Information on performance can take many forms, from the informal (eg, client feedback) and immediate (eg, data on output production), to longer-term and more sophisticated options (eg, formal evaluations, exploring the impact of the service on outcomes). The appropriate information source will depend on the issue, policy, or service under consideration. Middleton et al. (2018) noted that, in highly devolved sectors, spreading or institutionalising innovative models of service delivery that have been developed "bottom-up" can be challenging without strong evaluative evidence about what works.

New ideas Review system performance Experiment with new approaches and test old approaches Review performance of programmes and Select and spread what providers Monitor and works, amend or evaluate discard what does not Identify what does or does not work and why

Figure 2.2 Stylised public management performance cycle

Source: NZPC, 2015.

#### Pockets of good practice and promising developments

There are pockets of good practice in policy review and data use within the state sector. In its summary report on key lessons from the first round of PIF reviews, the SSC identified Inland Revenue, the Ministry of Economic Development (now the Ministry of Business, Innovation and Employment (MBIE)), and Statistics New Zealand as strong performers:

The key elements of good practice highlighted by these assessments are that a culture of review is embedded so success indicators are well developed (and developed 'at birth' for new activity); regular review is expected and undertaken on the basis of clear priorities; strong evaluation capacity is developed (typically by a dedicated review group); and appropriate action taken on the basis of reviews undertaken. (2013, p.32)

The Commission has similarly noted the role of the Education Review Office and Pharmac in carrying out "structured, systematic evaluations of service effectiveness that guide continuing refinement of services." (NZPC, 2015, p.198)

Over this and previous inquiries, the Commission also noted a number of promising developments within government agencies with the use of data to inform policy and service development. These developments are at their early stages, but have the potential to help government better understand the needs of citizens who use its services, provide greater confidence in the likely impact on social outcomes, and move resources from less to more effective programmes. The Ministry of Social Development's (MSD) reviews of the effectiveness of Employment Assistance programmes is one example of how better data can improve allocative efficiency and the overall effectiveness of expenditure (Box 2.5).

#### Box 2.5 Employment assistance evaluation

MSD has, for the past few years, been conducting effectiveness evaluations of its existing programmes aimed at helping people back into work and increasing independence from welfare. In the most recent evaluation, MSD made use of Statistics New Zealand's Integrated Data Infrastructure (IDI) to assess the impact of individual programmes on employment and income outcomes, and to estimate these programmes' impact on future outcomes. In the 2014/15 review, \$190 million worth of programmes (out of a total of \$462 million) were evaluated. The key findings were that:

- \$121 million worth of interventions were rated as "effective or promising", with the amount spent on such programmes increasing over the past five years;
- the second largest amount of spending (\$66 million) was on interventions rated as "mixed"; and
- \$2.9 million worth of interventions were assessed as either making no difference or having a negative effect. These programmes were being, or had already been, terminated.

An additional \$45 million of spending was assessed as "too soon to rate", but with short-term impact suggesting they would have a "mixed" or negative rating in the next evaluation report. MSD was using these results to make changes to programmes "to try to improve their effectiveness" (p.6).

The inclusion of IDI information had allowed a richer picture of effectiveness to be drawn, and had changed some ratings awarded in earlier years. In particular, MSD found "some interventions that have no impact on welfare independence but increase income and time in employment" (p.6).

Source: De Boer and Ku, 2017.

Better data sets have also improved agencies' ability to "identify and successfully channel services to previously under-served client groups, including youth and sole parents" (NZPC, 2015, p.207). MSD's redesign of services for disengaged youth led to gains in young people participating and achieving success in education (NZPC, 2015).

Service improvements do not necessarily require collection of new data. More effective use and re-use of existing information collected by the state sector can also help inform service design, support evaluation, and improve delivery. Recent efforts to link existing datasets have helped reduce duplication and failure demand (Box 2.6).

#### Box 2.6 Sharing data across a network (of agencies and independent actors)

HealthOne is a secure IT platform that stores individual patient records such as GP records, prescribed medications and test results of all health providers in the Canterbury region. HealthOne can only be accessed at the point of care by clinicians that are treating the

patients concerned, such as GPs, community nurses, pharmacists and authorised hospital staff in the Canterbury health system.

This means all the health professionals who might treat a patient can see that patient's entire health record, including radiology, lab tests, hospital treatment, and GP visits and care plans. This was a shift from the previous situation, where GPs, secondary care and allied health professionals all kept their own records and relied on manually notifying each other when they treated the same person.

Having more complete information available to clinicians providing patient care results in better service (clinicians have information even when patients are not able to provide it – such as in an emergency). HealthOne has also reduced duplication, in particular, of tests that may have already been done or are not needed. For example, Canterbury DHB claims that the use of the new system has reduced the volume of radiology it carries out, as clinicians know when a patient has already had a test and can access the results.

Source: Canterbury DHB; HealthOne.

F2.8

Agencies' greater use and connection of data, analytic and investment models in policy development and resource allocation is a positive step forward. While the use of evidence in policy design and performance assessment is growing, it is far from universal.

#### There is still room to improve elsewhere

Despite these developments, most core public services, and expenditure on these services, are not subject to regular review. Indeed, over successive inquiries, the Commission has found that relatively little effort is put into the monitoring, review and evaluation of policy or existing "core" business, and that the results generated by monitoring and review seldom lead to substantial change. Far too often, there is little visibility of what works and what does not.

The Better Public Services Advisory Group has observed that many state sector leaders lack the information to effectively and efficiently steer their agencies:

Leaders are not using information effectively to drive their business, and lack the metrics to determine the effectiveness and efficiency of their business model and operations. (Better Public Services Advisory Group, 2011, p.21)

In some cases, evaluation or performance monitoring is not possible because the necessary information has not been collected by the responsible agency. In their investigation of delays in High Court civil cases, Toy Cronin et al. (2017) concluded:

There is an urgent need to improve data about who uses our courts, whether or not they are represented, and how their cases proceed. Without this information, we are unable to design a civil justice system that responds to the needs of those using the court and that protects its important public function...

The larger issue is that New Zealand continues to lack basic information about its civil justice system. This study makes a contribution to increasing this knowledge but it has also highlighted the lack of reliable data that is readily available about who is using our courts, why, whether the litigants are accessing with or without representation, and how cases progress once they are in the system. (pp.ii, 117)

Elsewhere, information is available but not well-connected. In the health system, for example, considerable data is available on health events, costs and complexities, but this information is collected at different points, using different standards and without links at the right levels. Fraser and Nolan (2017) developed a "wiring diagram" to describe the complicated distribution and flows of information within the health sector (Figure 2.3).

For example, Downs (2017) noted that the Ministry of Health does not hold much data about "quality, utilisation and outcomes of different types of primary care services" (p.5), but the Commission found relatively rich information is available at the general practice level. The Commission sourced some of this information to investigate the impact of an innovation in the delivery of primary health care services (Box 2.7).

Governance **Funding** Health System Vote Health System Frameworks and Targets Performance Programme National Services National Collections DHB Payment Data Population Based Funding Health Quality and Safety **DHB** Reporting DHB Funding Commission Package National Accounts National Cost Collection Other Funders Measures and Pricing Programme Provision Provider Arm (DHB of Domicile) Funding Arm Inpatients General Practice Outpatients Private hospitals (DHB provision) Other direct provision **Pharmacies** Residential aged care Mental Health services Others, e.g. disability services, Provider Arm (DHB of Care Outside District) community laboratories, Plunket and Inpatients Wellchild, etc. Outpatients Other direct provision

Figure 2.3 Health sector information "wiring diagram"

Source: Fraser and Nolan, 2017; Productivity Commission.

#### Box 2.7 Measuring innovation in primary health care

As part of a case study on innovation in primary health care, the Commission investigated the impact of Health Care Homes in the Greater Wellington region (Box 2.4). The analysis had two key goals. The first was to look at the impact of Health Care Homes on the capacity of general practices to service their enrolled populations. The other was to look at the impact of Health Care Homes on the demand for hospital services.

The study required data from the General Practice Patient Management Systems (held by Compass Health PHO) to be matched with data from the National Minimum Dataset (a national collection of public and private hospital discharge information). IT staff at Compass Health and the Capital & Coast District Health Board (CCDHB) matched the data using patients' National Health Identifier. In accordance with the Privacy Act 1993, IT staff then encrypted the data with a different number and sent it to researchers at Auckland University of Technology (AUT) for analysis.

Health organisations are, understandably, cautious with sharing data. Obtaining data for the analysis was only possible because of the good relationship between CCDHB and Compass Health PHO (and the PHO's member general practices). Trust was also established between the Commission, staff at CCHB and Compass Health PHO, and AUT academics.

The Commission's experience demonstrates it is possible to extract significant value from the rich data held by PHOs and DHBs. However, doing so requires agreed processes for sharing data, and a commitment to developing trusted relationships with data owners.

In other cases, information may not be used because of concerns about possible poor results. As the Commission found in its inquiry into *More effective social services*:

...the Government and its agencies sometimes have strong incentives to suppress results that show a programme is performing poorly. New initiatives are often associated with an agency or political brand, and a perception of poor performance puts that brand at risk. One senior official, in meeting the Commission, described a government agency's internal evaluation unit as a "bomb factory" because evaluations were late and found faults. (NZPC, 2015, p.198)

Concern about the adequacy of policy-relevant evaluation and performance information has been a recurring issue in New Zealand's public management system. A review of expenditure on policy advice in 2010 found that:

The New Zealand policy advisory system's use of evaluation is limited by contrast with some governments... Furthermore, there is evidence – gathered in the course of this Review, anecdotally, and derived from other reviews – that much evaluation in practice is summative evaluation conducted by small groups of specialised researchers unconnected with policy advice groups, and is expensive and time consuming... There is evidence that monitoring activities do not focus sufficiently on indicators of the effectiveness of policy. (Committee Appointed by the Government to Review Expenditure on Policy Advice, 2010, p.47)

Similar concerns were expressed almost 20 years ago. In 1999, the SSC released a paper discussing outcome evaluation "and other risky feats", which concluded that "very few departments actually monitor, review, or evaluate the extent to which the policy outputs they produce contribute to government strategic priorities" (p.5). Research conducted by the SSC found that:

...only 7% of policy proposals suggested any ex-post review of results. Evaluation is typically not built into the policy advice at the outset, thereby making future review problematic... Where evaluation does occur, it tends not to be systematically integrated into policy processes. (SSC, 1999, p.8)

The lack of attention paid by agencies to monitoring, evaluation, and performance information reflects wider incentives within the political and public management system, and mirrors the Commission's earlier finding about a lack of interest in productivity-related performance information. Cumming and Forbes (2012) cite a "range of barriers in New Zealand that mean we pay far less attention to evaluation and performance information than other comparable countries or that should occur with a strategic management approach to public policy and public management" (p.53). These barriers include:

...a lack of real demand for evaluations from Parliament and some ministers; a focus by central agencies on compliance, particularly on financial accountability and accountability in delivering key outputs rather than outcomes; and a lack of legislative or other 'pull' factors for outcome and evaluation information. (p.53)

F2.9

The attention paid by agencies to monitoring, review and evaluation of core public services is generally inadequate. This limits the ability of ministers and agencies to understand what works, where improvements need to be made, and how resources should be best allocated.

#### 2.9 Conclusion

The weak innovation and productivity performance of the New Zealand state sector is the result of many factors including the capability of its staff, the quality of its internal processes, the ambition of its leaders, and the policies and priorities set by ministers. Low state sector productivity growth is a reflection of all these factors. New Zealand is not the only country that faces these challenges, but responses need to be tailored to our specific circumstances and institutions. Chapter 3 makes recommendations on how to lift state sector productivity and encourage innovation – all of which can be implemented within the existing legislative environment.

# 3 System-level changes for a more productive state sector

The task of lifting productivity in core public services requires actions at many levels, some of which will be specific to the sectors and Votes involved. This inquiry has not explored each core public service sector in detail but has instead focused on systemic changes that would help drive productivity improvements across the state sector. The Commission has concentrated on the two main groups of levers that can shift departmental and agency behaviour: the performance management system and the budget process.

The recommendations in this chapter are made based on current legislative frameworks, which provide sufficient scope to improve state sector productivity. The Commission understands there are proposals to refresh or update these frameworks, with the aim of placing wellbeing objectives more centrally in the public sector management system. Such changes would provide an opportunity to embed some of the changes recommended in this chapter.

#### 3.1 Making sure everyone plays their part

Making sustained productivity gains in public services will depend on efforts by ministers, agency leaders and central agencies, and the recommendations in this chapter focus on these three sets of actors.

Each actor plays a distinct role. As the Cabinet Manual notes, "Ministers decide both the direction of and the priorities for their departments. They are generally not involved in their departments' day-to-day operations" (Cabinet Office, 2017, p.42). Ministers also set expected short- and medium-term performance standards for departments and Crown entities, particularly though accountability documents such as statements of intent and strategic intentions, and information supporting the budget estimates.

Departmental chief executives have a range of responsibilities under the State Sector Act 1988 for ensuring the ongoing and efficient delivery of services, and for the "financial management, performance, and sustainability of their departments" under the Public Finance Act 1989. Chief executives' responsibilities include (but are not limited to):

- the "tender of free and frank advice to Ministers";
- "stewardship of the department or departmental agency, including of its medium- and longterm sustainability, organisational health, capability, and capacity to offer free and frank advice to successive governments"; and
- "the efficient and economical delivery of the goods or services provided by the[ir] department... and how effectively those goods or services contribute to the intended outcomes" (section 32, State Sector Act 1988).

Finally, central agencies (and their ministers) set and manage the processes which promote performance, efficiency and responsiveness to the government's priorities. These include annual performance reviews of chief executives, semi-regular reviews of agency performance and capability (such as the PIF reviews), the annual budget round, and the enforcement of financial management rules.

#### 3.2 Put productivity improvement on the ministerial agenda

#### Ministerial expectations matter

The setting of expectations and standards by ministers has an important role to play in lifting state sector performance. One senior state sector leader interviewed by Pickens (2017) commented that:

Good Ministers could be significant catalysts for improving performance, challenging established thinking, identifying clearly what they want and to what level, providing good direction and cutting through the 'bullshit'. (p.27)

Other interviewees "spoke of politicians who wanted to cut down on waste, ensure their interventions are successful, and encourage innovation in the public interest. Interviewees provided specific examples of ministers being the catalysts of performance improvement" (p.32). One obvious way to encourage productivity improvement in core public services is for the relevant responsible ministers to set clear expectations to boards and chief executives about the importance of achieving such gains. Possible mechanisms for doing so are outlined in Box 3.1.

#### Box 3.1 State sector and public finance management levers for ministers

Under the State Sector Act 1988 (SSA), Crown Entities Act 2004 (CEA) and Public Finance Act 1989 (PFA) (and associated processes), ministers have several tools they can use to alter agency work or prioritise its efforts.

Strategic intentions: a department must provide information to its minister(s) on its strategic intentions over at least the following three financial years. This information includes "the nature and scope of the department's functions and intended operations" and "any other matters that may be specified by the Minister" for understanding its intentions and capability. Under section 38A of the PFA, a minister can require a department to provide new information on strategic intentions "at any time". The department must also provide information on its progress in relation to these intentions in its annual report (s.45, PFA).

Chief executive performance reviews: under section 43 of the SSA, the State Services Commissioner is "responsible to the appropriate Minister or appropriate Ministers for reviewing" the performance of departmental chief executives. Ministers can signal areas (such as productivity gains in key services) of specific priority to them in assessing a chief executive's performance, while not getting too deeply into specific performance management issues.

Statements of intent and statements of performance expectations: Under the CEA, Crown entities must prepare statements of intent (SOIs) and statements of performance expectations (SPEs). SOIs must, among other things, "explain how the entity proposes to

assess its performance" (section 141(2)(d)). Ministers are able to make comments on draft SOIs, which entities must consider and may "specify the particular form in which any information in the statement of intent must be disclosed" (section 145(b)).

SPEs are designed to "enable the responsible Ministers to participate in the process of setting annual performance expectations" and "provide a base against which actual performance can be assessed" (section 149b, CEA). SPEs must identify the Crown entity's reportable outputs for the coming financial year, describe its intended effect, outlined proposed revenue and expenses and "include a concise explanation of how the performance of the class of outputs will be assessed" (section 149E, CEA). Ministers have similar rights to provide comments and specify disclosure, as with SOIs.

Responsible Ministers may also issue Letters of Expectation to Crown Entities, outlining the Ministers' "expectations for [the] entities' strategic direction and their specific priorities for the planning period" (SSC, 2014, p.45). These Letters are not statutory documents but are typically taken into account by entity boards as they prepare their SOIs and SPEs.

Ideally, setting productivity expectations should take place through a performance dialogue between ministers and chief executives or boards, in which ministers set system-level goals, and agencies are:

- challenged to identify areas for improvement aligned with system-level goals; and
- invited to set measures that reflect the reality of service delivery.

These performance dialogues should also incorporate other, less easily-measurable attributes that contribute to productivity improvements. Chief amongst these are internal agency cultures that enable debate, learning and constructive challenge, and strong internal capabilities that allow agency leaders to fully understand their operating models and cost drivers, and make suitable changes. These have been enduring weaknesses in state sector agencies, as successive PIF reports have noted.

R3.1

The State Services Commission should redesign the annual processes for setting and expressing ministerial expectations and standards to prompt the identification of opportunities for productivity gains in public services.

#### Support and make space for innovation and productivity improvement

While responsibility for the day-to-day performance of agencies rests with chief executives, there is much ministers can do to influence a culture of innovation and productivity improvement in the state sector. Ministers can support agency efforts to improve services by acting as champions for innovation and change, by publicly reinforcing their expectations of productivity improvement, by celebrating success, and by recognising that change involves experimentation (which involves the potential for failure). In the private sector, experimentation and "fast failure" are features of the process of innovation. However, as noted in section 2.1, failure in the state sector can be met with harsh criticism, which, in turn, acts as a deterrent to innovation. The OECD (2017) highlights seven "roles" politicians (particularly ministers) can play in promoting state sector innovation (Table 3.1).

Table 3.1 Roles ministers can play to support innovation

Role	How ministers can support innovation	
Driver	Ministers can be the force behind a specific innovation. They can shepherd ideas through the system and help agencies overcome political or administrative obstacles. Ministers can act as the "popular face" of an innovation, garnering political and public support for change.	
Experimenter	Ministers can encourage the public service to test out new approaches and ideas. They can provide "permission" to fail and to learn from unsuccessful experiments. Experimenters can help discover what is possible, and help other politicians and the public to see the possibilities.	
Convenor	Ministers can use their influence to bring together stakeholders around particular problems or innovations. Rather than driving a specific idea, the convenor helps to create the conditions needed for innovations to develop. In this role, ministers can provide visible political leadership to help enable and push groups to come together to solve difficult and persistent public policy issues.	
Stickler	Ministers can use existing performance reporting frameworks to support state sector innovation. By paying specific attention to an area of poor performance, ministers can signal the need for innovation and improvement.	
Scout	Ministers can bring attention to a previously unnoticed issue or an emerging problem. By doing so, they can kick-start the innovation process within agencies. Alternatively, ministers can identify potential opportunities early on and advocate that the state sector pursue these opportunities.	
Regulator	Just as the regulatory environment can work against innovation in the private sector, internal rules, procedures and structures can act as a barrier to innovation in the private sector. Prescriptive funding requirements, rigid approval processes, and outdated rules can work against the development and spread of innovations.	
	Ministers can play an important role in removing or modifying rules that can hamper innovation, or by insisting on rules that allow state sector innovation to occur. Ministers can "regulate" for innovation through the performance frameworks placed on government agencies.	
Protector	Innovation often involves experimentation and, by definition, failure. Yet, failure in the state sector can meet media scrutiny and public criticism, which can deter officials from trying new things. Ministers can help encourage innovation by providing officials with political cover and the safety needed to innovate. This can be through:	
	<ul> <li>setting expectations, for example, "this is an experiment, and it may not work, but that is okay because it will provide us with valuable information that can feed into improving services"; or</li> </ul>	
	<ul> <li>supporting the public service when an experiment has not worked. for example, "while it is unfortunate the initiative has encountered difficulties, we need to acknowledge that expecting something as innovative as this to work perfectly straight away is both unrealistic and unfair".</li> </ul>	

Source: OECD, 2017.

F3.1

Ministers have a role to play in supporting agency efforts to improve productivity by championing innovation in public service delivery.

#### 3.3 Make better use of productivity measures

Measuring productivity levels and change is an important step in understanding performance and identifying areas for further investigation. As Dunleavy and Carrera (2013) note, "[you] can rarely improve any aspect of organizational performance that has not been fixed and quantified in some degree" (p.299).

Yet, there is a difference between quantifying performance and using that information to inform decisions. Soligo (2018) explores the literature on the factors that influence the use of performance information to inform management decisions. The Commission drew on this literature to identify principles that can help productivity measurement become accepted and used, so that measurement can contribute to achieving agencies' objectives. The principles of productivity measurement are:

- collect productivity data as part of business-as-usual activity;
- complement productivity measures with outcome measures;
- use productivity measures as one input into performance evaluation;
- use productivity measures primarily as the basis for learning how to improve services;
- involve staff who deliver services in the design of productivity measures; and
- ensure agency leaders actively support the use of productivity measures.

One example of the benefits of productivity measurement is the Ministry of Justice's "cost of case" model, which estimates the staff time and departmental costs of the different types of cases progressing through the District Court. This model has allowed the Ministry to identify variations between different courthouses and at different stages of a court case, and to allocate resources to where the need is greatest.

Similarly, the Commission's case study with the New Zealand Police on responses to mental health incidents drew on existing data in the Police central dispatch system. The case study revealed differences between districts in the amount of officer time taken to respond to mental health incidents. The study did not adjust for differences in the operating environment that may affect the timeliness of responses, but further investigation may identify good practices that could be replicated across Police districts (Genet & Hayward, 2017).

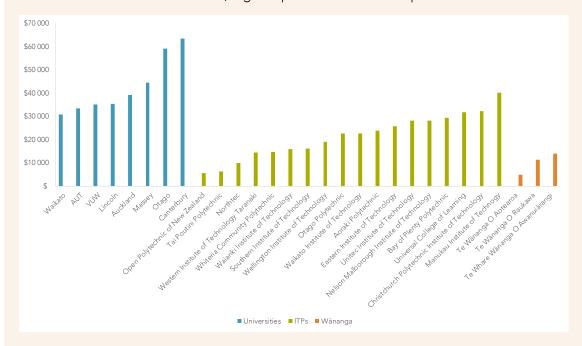
Simple productivity measures can highlight important questions. In its inquiry into *New models* of tertiary education, the Commission used publicly available data to assess the capital productivity of New Zealand's Tertiary Education Institutions (TEIs). This small measure prompted some big questions (Box 3.2).

### Box 3.2 Simple analysis, important questions: capital use in Tertiary Education Institutions

The Office of the Controller and Auditor-General (OAG, 2017b) undertook an audit of TEIs. As part of the audit, the Controller and Auditor-General calculated an "investment effectiveness" measure based on the net assets that TEIs were using to "produce" equivalent full-time students (EFTS). The Commission adapted the investment effectiveness concept to produce a simple measure of the capital productivity of teaching activities – the results of which are shown below.

The graph shows teaching assets per EFTS by TEI for 2015. Lower column height means higher productivity. The results show wide dispersion in capital productivity across New Zealand TEIs. The most productive TEI had 13 times the capital productivity of the least productive TEI. This observation prompted questions on the possible causes of the wide dispersion. For instance, can the dispersion:

- be explained by differences in the business models used by TEIs?
- be the result of weak pressure to make effective use of capital assets?
- reflect historical endowments, high surpluses and further capital asset accumulation?



Source: NZPC, 2017.

The Commission has used available data to construct simple or partial productivity measures. Among the agencies and sectors that are the focus of this inquiry, the Commission has found that measurement efforts are hampered (to varying degrees) by a lack of capacity, capability and management focus, rather than a lack of data.

F3.2

The ability to quantify and measure is important for improving state sector performance, but agencies often lack the capacity, capability and inclination to measure productivity.

#### Build agency capability for productivity measurement

Productivity measurement is most usefully conducted close to service delivery and with the involvement of staff. To build this capability, the Commission recommends that central agencies (as the organisations with responsibility for state sector performance) establish a network of officials to share knowledge, expertise and experience in productivity measurement. The network could take several forms:

- An informal network like the Productivity Hub, where interested agencies or staff collaborate to share experience and learn from each other<sup>4</sup>.
- A work stream under the Head of Government Finance Profession. This would align with the findings of successive PIF reviews that strategic finance functions "provide the information, intelligence and analysis that form the basis for decision-making that underpins strong organisational effectiveness and efficiency" (SSC, 2013, p.33). The Head of Government Finance Profession and Chief Government Accountant is already taking steps to improve strategic financial management, and the Treasury has established a Financial Development Programme to strengthen the role of finance staff across the state sector. This network could be leveraged to include productivity measurement capability development, as part of integrating strategic finance functions into the public sector performance management system.
- A formal initiative, with its own dedicated funding and hosted by a lead agency. One model for this is the Government Regulatory Practice Initiative (Box 3.3).

#### **Box 3.3 The Government Regulatory Practice Initiative**

G-REG is a network of central and local government regulatory agencies, established to lead and contribute to regulatory practice initiatives. G-REG is hosted by MBIE, and works on actions that improve leadership, culture, regulatory practice, and workforce capability in regulatory organisations and systems.

G-REG has three areas of focus:

- developing organisation capability: from sharing approaches to compliance activities and developing guidance material;
- developing people capability: from structured and formal training and shared informal learning; and
- developing a professional community of regulators: both resulting from, and enabling the development of, organisation and people capability over time.

The initiative also oversees the implementation of the New Zealand Qualifications Authority-listed Regulatory Compliance Qualifications.

Source: MBIE, 2017.

<sup>&</sup>lt;sup>4</sup> <u>www.productivity.govt.nz/research/productivity-hub.</u>

Until decisions are made on formal capability development options, the Commission will continue to support the development of an informal network in productivity measurement through holding regular Productivity Hub and Government Economics Network sessions.

The ability to accurately measure the productivity of public services should be a core competency of state sector organisations, as it underpins the ability to understand service performance and to provide robust advice on improvements.

The companion volume to this report, *Measuring state sector productivity*, provides guidance on productivity measurement. In addition, the Commission has developed numerous measurement case studies (eg, Genet, 2017; Green, 2017; Moore & Hayward, 2017; Genet & Hayward, 2017; Fraser & Nolan, 2017). These are available on the Commission's website

As part of the recent decision to remove the cap on central government administration staff and strengthen public service capability, the State Services Commissioner conveyed to chief executives government's "expectations that state services agencies consider more of a 'build your own' rather than 'buy external expertise' approach to ensure there is the ability to deliver long-term value to New Zealanders" (Office of the Minister of State Services, 2018, p.4). The State Services Commissioner would "actively set those expectations in his regular discussions with chief executives and...monitor progress" (ibid). Similar expectations could be communicated regarding the capability to measure the productivity of public services.

R3.2

The Treasury and State Services Commission should establish and support a community of practice to share knowledge, expertise and experience in state sector productivity measurement.

R3.3

The State Services Commissioner should convey his expectations to departmental chief executives that they build and sustain the capability to measure the productivity of public services.

#### Report regularly on the efficiency of core public services

Regular collection and publication of information on expenditure on core public services (such as annual per-client or unit costs for schooling, court trials and imprisonment) would promote greater official attention to productivity trends and performance. A similar exercise is conducted annually in Australia, where the Australian Productivity Commission (APC) (on behalf of the Council of Australian Governments) collects and publishes a raft of public service performance information (covering both efficiency and effectiveness) across a range of fields in all Australian States and Territories (APC, 2018). Elements of the reporting framework used by the APC could be adopted in New Zealand (and adapted to suit local conditions, where required).

Regular collection and publication of public service expenditure information would have several benefits:

• It could generate additional incentives for agencies and services to seek ongoing performance improvements. The APC's Report on Government Services has played a useful role in spreading good practice and identifying areas for improvement in the state sector (Banks & McDonald, 2012).

- It would provide consistent, longer-term information on service efficiency, whereas the
  ministerial expectations for productivity improvement (discussed above) would most likely
  change over time, reflecting the priorities of different governments, and may not cover all
  "core" public services.
- It would improve transparency about public expenditure. Information about the full costs for some core New Zealand public services is not readily available, or able to be calculated using existing public material (for an example of this problem, see Genet, 2017).

The creation and publication of service cost information need not be particularly burdensome for agencies. Indeed, some agencies already publish some of this information. For example, the Ministry of Education's Education Counts website has data on per-student funding by year of schooling from 2003 to 2016.

R3.4

The Treasury should collect and regularly publish information on expenditure on core public services, including (but not limited to) annual per-client or unit costs for schooling, court trials and imprisonment.

#### Use performance measures wisely

The terms of reference for this inquiry ask the Commission to provide advice on "the appropriate role of identified efficiency/productivity measures in public sector performance frameworks". The Commission considers that there is a place for quantitative productivity measures in public sector performance tools, provided they are well-designed and used with care. The main benefit of including productivity measures in the formal state sector performance system is to ensure that a balanced picture of performance is obtained, and to send stronger signals about the relative importance of productivity.

Several submitters and stakeholders expressed concerns about using quantitative productivity measures in the public sector performance system. Concerns commonly expressed included that:

- performance targets or measures can create perverse incentives;
- some public services are not readily amenable to measurement;
- measurement can create significant financial and opportunity costs, which may outweigh the benefits;
- measures focused on inputs and outputs risk diverting attention from outcomes; and
- productivity measures can be divorced from the reality of service delivery, and thus unhelpful for service improvement.

There is merit to some of these criticisms. In particular, productivity indicators should not be the only performance measure used and should not have high stakes incentives attached. That said, the relevant risks with quantitative productivity measures can be managed. The companion volume to this report, *Measuring state sector productivity*, provides advice on how to plan and design such measures.

However, designing and implementing effective performance indicators is not simply a technical measurement exercise. It also requires work to develop data sources, and gain the support of

delivery staff, managers, and other stakeholders. The experience with health sector targets provides lessons about implementing performance metrics (Box 3.4).

#### Box 3.4 Performance measures: Lessons from the health targets

#### Stakeholder engagement and support for implementation, 2007

The first set of 10 health targets were established by the Ministry of Health in 2007. While they were instigated by the Ministry and the Minister of Health, the targets were developed with extensive input and agreement from clinical experts and DHBs, and they were implemented in exchange for a reduction in other DHB reporting requirements.

The targets operated as a group, covering a range of services (hospital and non-hospital, prevention and acute services) that were relevant to the wider sector; were action and results oriented; were measurable (ie, there was useful data available); and had leadership and analytical support provided by central government (each target had a national champion and ongoing analytical support from the Ministry of Health).

#### A departure in 2009 – the introduction of inpatient volume measures, driven centrally

In 2009, the number of targets was reduced to six. Five of the initial target areas were kept (with some changes to the specific details and the performance indicators) and one new target was added. This second set of targets was more closely led by the Minister of Health and was focused on hospital services and specialist waiting times.

There are indications that the target to improve access to elective surgery may have prevented the shift of simple elective procedures into primary care settings or resulted in procedures being moved out of primary care and back into hospital settings (Fraser, Gemmell & Nolan, 2018). This could be because the second set of targets were developed with less involvement of health sector stakeholders and experts, or because the electives target focused on measuring volumes rather than outcomes. The focus on volumes could have incentivised the sector to move services from where they were not counted as part of the target (primary care) to where they are counted (hospitals). This was despite the explicit goal of the Better, Sooner, More Convenient Health Care initiative for moving more resources to the front line.

#### The need to continually take account of factors in the institutional environment

When designed and implemented well, health targets can be a successful performance measure and can focus the health system on key priorities. In a review of efficiency measures used by the health sector, Knopf (2017) noted that health targets had become an "enduring significant component of the health system performance framework" (p.4). Yet, it remains important to consider the range of organisational and institutional factors that influence a performance measure's effectiveness. Factors include the process and buy-in for the measure, the metric itself and how it complements, or has the potential to undermine, other introduced measures or goals. Finally, the measure may need to be re-negotiated if there is a change in the parties to the performance agreement.

Source: Knopf, 2017; Tenbensel, 2009; Fraser, Gemmell and Nolan, 2018, Middleton et al., 2018; Ministry of Health.

The experience with the health sector targets suggests that productivity measures should be introduced into public sector performance management tools with care. Before making the indicators formal accountability measures, agency leaders and ministers should ensure that:

- there has been appropriate consultation and input from stakeholders, especially those involved in service delivery;
- the indicators align well with desired outcomes;
- sufficiently robust data sources and collection processes are in place; and
- leaders and middle managers support the indicators' use and application.

Agency leaders should also be conscious that performance measures have "use-by dates". They should have processes in place to regularly review the use and impact of the measures, and test whether they are still relevant and beneficial.

F3.3

There is a place for well-designed quantitative productivity measures in public sector performance systems. The main benefits of including such measures is to ensure that a balanced picture of performance is obtained, and to send stronger signals about the relative importance of productivity.

R3.5

Agency leaders should introduce productivity measures into public sector performance management systems with care. Before making such indicators formal accountability measures, agency leaders should ensure that:

- there has been appropriate consultation and input from stakeholders, especially those involved in service delivery;
- the indicators align well with desired outcomes;
- sufficiently robust data sources and collection processes are in place;
- leaders and middle managers support the indicators' use and application;
   and
- there are processes in place to regularly review the indicators, and test they continue to suit the operating environment.

#### 3.4 Raise the bar on new expenditure

As discussed in Chapter 2, the current operation of the budget round provides weak incentives to seek productivity improvements in core public services, due to little systemic review of "base" expenditure or prioritisation of productivity, and the dominance of volume- or input-based funding models. As the submission from Te Puni Kōkiri noted:

The annual budgeting process is based on a cost plus approach with the focus largely on new funding... The automated 'roll over' of baseline funding does not encourage agencies to reflect on the effectiveness of their current programmes, or to consider alternative innovative approaches that may yield more effective outcomes for the clients they serve. (sub. DR27, p.2-3)

The Commission proposes that the Government should look to improve productivity by:

- building the capability of agencies to effectively measure productivity;
- improving incentives in existing funding models, and strengthening internal agency cultures and processes;
- enhancing evaluation and monitoring to identify lower-performing programmes that can be closed or improved; and
- raising the quality and impact of new spending.

#### Raise the quality and impact of new spending

One way of strengthening agencies' incentives to lift productivity is to raise the bar for new spending proposals and provide greater rewards for those that have a high probability of generating productivity gains. The Commission recommends two steps.

The first is to expand and develop the use of data, analytics and investment models in the preparation and consideration of budget bids. This will help ensure that new initiatives are well-targeted and have a stronger likelihood of success.

The second step is to shift the balance of new spending from volume- and input-based initiatives to higher-impact and productivity-enhancing proposals. This could be done by setting aside a distinct portion of the annual budget operating allowance dedicated to agency proposals that have a high probability of making a significant impact on wellbeing (eg, as evidenced through robust business cases and returns on investment), and then progressively increasing that share of the allowance. For example, in Budget 2017, \$321 million out of \$7 billion was allocated to "social investment" (also known as "Track 1") initiatives, which targeted people experiencing high degrees of disadvantage.

This requires processes to test the robustness of business cases and evidence, but the Treasury has been developing these over successive budgets. These include convening panels of external experts, including the departmental science advisers and senior leaders from non-government organisations (NGOs) and other state agencies, to review, refine and provide advice on proposed new spending initiatives.

Setting up distinct shares of the budget allowance may create perverse incentives, such as discouraging some agencies from entering the more rigorous funding channel. While this may be inevitable, the risk could be managed by raising evidence and quality expectations over time for all budget initiatives, and credibly signalling that the proportion of future allowances available for "business-as-usual" initiatives will shrink over time.

The process of progressively shifting the balance of new operating allowances from business-asusual bids to higher-quality initiatives will, of necessity, be gradual and incomplete. Budgets are inherently political tools, which need to accommodate election, coalition, and other commitments. However, even small shifts in resource priorities can have significant impacts on agency behaviour. R3.6

The Treasury should continue to raise expectations on agencies seeking new funding in annual budget rounds to:

- use data, analytics and other investment models to design new initiatives and demonstrate their benefits; and
- provide robust evaluation plans for new initiatives.

R3.7

As part of future budgets, the Minister of Finance should set aside a distinct portion of the operating allowance dedicated to "high impact initiative" proposals that have a high probability of making a significant impact on social wellbeing (eg, as evidenced through robust business cases and returns on investment), and then progressively increase the share of the budget allowance devoted to that portion.

#### Tighten the link between future allocations and past performance

As noted earlier, the annual budget round includes an initial stage aimed at assessing how well the "base" of expenditure has been used. In theory, this is designed to encourage spending agencies to ensure they are using existing resources effectively and efficiently. In practice, however, this assessment stage has failed to provide much incentive, because of:

- the low priority placed by agency leaders and ministers on achieving productivity gain;
- insufficient time and effort devoted to scrutinising past expenditure;
- inadequate information about past agency performance;
- the political salience of proposed new spending initiatives; and
- the lack of consequences for failing to demonstrate past efficiency and effectiveness.

Applying consequences for a failure to demonstrate past performance is challenging, especially in areas where there is high demand for public services. Consequences obviously need to be applied with care. That said, this is an essential component of encouraging greater productivity in future.

There are several ways in which the incentives for using the base of expenditure more effectively and efficiently could be strengthened. This could include taking an efficiency dividend off all new spending initiatives or capping new funding allocations until the department has satisfied Cabinet that it is making the best use of its existing baselines. Such options, however, may be perceived as unduly blunt and punitive, and could be hard to sustain over time.

Given the recommendation above to shift an increasing share of future budget spending towards high-quality and –impact initiatives, a better option may be to restrict access to the "high-impact initiative" portion of future allowances to those departments that have demonstrated productivity improvement. This would allow agencies to continue to seek new funding for extensions of existing programmes, but within a gradually tightening constraint. It would also provide clear rewards for those agencies that can demonstrate improved

productivity. However, to avoid discouraging agencies from developing "high impact initiative" proposals, the entry bar should not be set too high, at least in the initial years.

R3.8

The Minister of Finance should restrict access to the "high-impact initiative" portion of future budget operating allowances to those departments that can credibly demonstrate productivity gains from existing baselines.

Given that agencies have weak incentives to demonstrate past performance, other changes will be needed to shift behaviour, such as:

- better information from agencies and/or the Treasury on productivity trends in core public services (the recommendations above to report regularly on spending on core services and build measurement capability should assist); and
- sufficient time, outside the pressures of the annual budget cycle, to examine departmental baselines.

## Retain and clarify an avenue for budget proposals from outside the state sector

Non-government providers, the private sector, and customers are important sources of innovative ideas and processes that can improve the delivery of public services (NZPC, 2015; Dunleavy & Carrera, 2013). Such individuals and groups can, however, find it difficult to influence the design and delivery of public services, especially when public service cultures are hostile or unreceptive.

One recent innovation has been to allow organisations from outside the state sector to make budget bids. Such a mechanism has the benefits of exposing ministers to a wider range of ideas and proposals, removing roadblocks, and bringing the perspectives of customers and service providers more closely to the Cabinet table. However, under current arrangements, the relevant department must accept and support the bid for it to proceed. There is a risk under this approach that departments may act as "gatekeepers", blocking proposals that challenge their existing models. To avoid this occurring, a clear avenue should be created for NGOs and other providers to make budget bids directly to the Minister of Finance and Treasury, without having to go through the relevant department. Such bids could be assessed either by the Treasury directly, or through the use of independent expert advisors, as has occurred in recent years.

There may be a need for new governance arrangements around approved budget proposals from non-government providers. This will be particularly important where oversight of the initiative by the relevant department is deemed inappropriate. For example, the Treasury (or another pre-selected agency) could be given responsibility for managing the contracts for NGO initiatives and appropriations funded through the budget. Other commentators have proposed establishing new organisations to manage these contracts (see Social Investment Working Group, 2016, for a discussion of possible alternative governance arrangements).

To avoid the budget process becoming overwhelmed with proposals, the avenue for NGOs should not be open-ended. Proposals from outside the state sector could be limited to the high-impact initiative portion of the operating allowance, and only accepted for priority areas or outcomes (for example, the Government could seek proposals from NGO providers to advance its child poverty reduction goals). These priority areas or outcomes could be set by Cabinet at

the start of each budget round and communicated publicly. The higher expectations regarding data use and evidence for new high-impact initiative proposals outlined above should help manage demand.

R3.9

The Minister of Finance should allow non-government organisations to make budget bids directly to the Treasury for the "high-impact initiative" portion of the operating allowance in specified priority areas or outcomes, without having to go through the relevant Vote department.

#### An alternative: relieve budget caps for very strong proposals

An alternative to the creation of the high-impact initiative budget allowance would be for the Government to signal that it would be willing to spend more than the amount available in the operating allowance on initiatives where it had confidence that the case and evidence for the proposal was strong and where the impact on wellbeing was large enough.

It would be particularly important to set rigorous selection criteria. Further policy work would also be required to assess any undesirable effects of this alternative, and whether such effects could be mitigated.

# 3.5 Focus effort and attention on improving agency processes and cultures

The effective operation of the state sector depends on strong agency cultures, leadership and capability. There are several areas where action by departmental leaders will be needed to raise productivity, especially facilitating culture change, improving policy and commissioning practice, and reforming funding models.

#### Improve policy and commissioning practices

Policy capability and effective commissioning are core competencies for government departments, and ministers have the right to expect high standards. Efforts to raise capability and performance to date have rested largely on provision of information, advice and guidance. This includes:

- the Policy Project, which has developed frameworks for improving policy capability –
  including developing methods and tools, providing workshops, and facilitating networks for
  policy leaders across the public service to identify and share good practice; and
- the appointment of the Social Investment Agency (SIA) by the previous government to lead on building agency capability (NZPC, 2015, p.11). SIA is currently "working with a range of organisations to prototype reusable and scalable commissioning tools, templates and guidance" (SIA, 2018, p.2).

Agencies are left to decide how, when and whether to use guidance, tools and frameworks.

Voluntary approaches based on guidance and information have their place, especially at the early stages of a change process. However, something more is needed to shift practice in agencies. The Commission considered several tools and processes that could potentially be used to promote more rigorous and consistent policy and commissioning practice across the state sector. Options included:

- modifying the PIF reviews to target policy and commissioning practice;
- adding a new review mechanism or cycle; or
- strengthening the chief executive performance review process to put more emphasis on policy and commissioning quality.

All options have weaknesses. First, the PIF reviews are too infrequent to make rapid change to agency practice, and turning the reviews into more of an accountability mechanism risks undermining their value as a tool for promoting strategic thinking and clarifying organisational goals and purposes. Second, state sector agencies are already subject to numerous review and accountability processes. The Commission is wary of adding yet another into a crowded field. Finally, while chief executive performance reviews are important for driving behaviour change, these reviews would most likely require some other process to generate information about agency policy and commissioning processes for the State Services Commissioner to make reliable judgements on their relative strength.

The Commission did not reach a conclusion about the best way forward for raising the quality of policy and commissioning practices – other than noting that any new review or accountability tools should ideally replace an existing process to avoid adding to the compliance burden for agencies. Central agencies should review existing tools and identify the most effective option.

#### Make more use of outcome / results-based funding

As noted in Chapter 2, a significant share of funding for public services is delivered through volume-, process- or input-based models, including resources for schools, tertiary institutions, and a range of social services. Such models can provide certainty for providers and support access to services. However, these models also tend to come with weak incentives for innovation or productivity growth. This is particularly the case when funding rules require specific input types or numbers, which serve to lock in existing business models. Input-based funding models can also have perverse outcomes, undermining the very objectives they seek to achieve.

Roughly characterised, funding models sit on a continuum, with each model creating a different set of requirements and incentives for providers (Figure 3.1). The further along the continuum, the greater the scope for the reconfiguration of services to improve efficiency and effectiveness.

Figure 3.1 Continuum of funding models

Results-based Process-Output-Input-Outcome-based What impact based based based What purpose What What process How many will the service will the service will deliver services will have on resources achieve? the services? be clients? are delivered? required?

Source: NZPC, 2015.

Input- or process-based funding models may still be appropriate for some services, such as those where specific inputs or processes are important to ensure quality provision (eg, where specialist staff or specific procedures are necessary for safe care). However, there are opportunities to move more towards results- and outcomes-based funding systems, easing constraints and providing greater rewards for better-designed services. The Commission has identified possible changes in two major public service sectors.

In tertiary education, the Commission recommended that the funding system should:

- remove any reference to "learning hours" in its definition of an equivalent full-time student (the main unit of funding) in order to remove incentives for providers to inflate the size of new courses and qualifications, and better allow unbundling of the various components that make up education delivery (eg, course design, teaching and assessment);
- be moved to more of a dynamic price-based model, under which funding (rather than volume) is redistributed from lower- to higher-performing providers; and
- more closely reflect the public value from education, with subsidies for courses with high private returns reduced or eliminated. (NZPC, 2017, p.398)

In social services, the Commission proposed that purchasing and performance incentives could be improved by:

- taking account of service providers' past performance when assessing funding bids;
- adopting a risk-based approach to monitoring providers' contracts; and
- expanding the use of contracting for outcomes, "including the use of incentive payments" (NZPC, 2015, p.324)

There will be similar potential to encourage better results in other core public services. For example, as noted earlier, Middleton et al. (2018) argue that patient co-payments dull the incentives in the primary health capitation funding model for more efficient and effective services. They encourage "face-to-face visits" and have required "'creative workarounds' from PHOs to ensure that practices shift from prioritising volumes to delivering proactive care" (p.33).

R3.10

Agencies responsible for the purchase or delivery of core public services should review their funding models, with a view to moving as many models as possible towards results- and outcome-based systems, or otherwise improving incentives for productivity improvements.

#### Better assess agency openness to change and innovation

Government agencies need to ensure that their internal cultures support innovation, and that their processes and funding models do not unduly impede improvements to the delivery of services. Cultures that are open to new ideas are not easily measured and are not assessed in the current performance management system. Evaluative assessments, based on expert judgement, are often the most useful mechanisms for provoking internal reflection and improvement.

The main external evaluation mechanism used to assess the performance and strategic focus of government departments and Crown entities is the PIF. The PIF is:

an analytical framework and a change management process. Reviews are undertaken by Public Service and Non-public Service Departments and Crown Entities. They are supported by an independent and experienced set of Lead Reviewers and by Central Agency officials. The Chief Executive and senior team are the key people involved from the agency having a PIF review. (Victoria University of Wellington School of Government, 2017a, p.viii)

The PIF has a forward-looking focus on the opportunities for improved performance in the face of future challenges. It seeks to answer the following question:

What is the future contribution New Zealand needs from this agency? What is the performance challenge to get there? What would success look like in four years? (Victoria University of Wellington School of Government, 2017a, pp.viii-ix)

The PIF has been independently reviewed and found to be "a successful and credible performance improvement tool that has contributed to the development of organisational strategic thinking within organisations" (VUW School of Government, 2017b, p.8). However, the model could be refined to add greater value.

The PIF model involves a review of five "critical areas" of organisational management. One of the areas, "Leadership and Direction", includes an "element" dealing specifically with values, behaviour and culture. This element focuses on the culture needed to achieve the agency's strategic direction but does not explicitly address openness to innovation and change (Table 3.2).<sup>5</sup>

<sup>&</sup>lt;sup>5</sup> Planning for a possible change in purpose and function is covered by one of the lead questions in the PIF. However, the question focuses on strategic readiness for change rather than cultural openness to change at an operational or policy level.

Table 3.2 PIF elements and lead questions dealing with culture

Critical area	Element	Lead questions
Leadership and Direction	Purpose, Vision and Strategy	How well do the staff and stakeholders understand the agency's purpose, vision and strategy?
		How well does the agency consider and plan for possible changes in its purpose or role in the foreseeable future?
	Leadership and Governance	How well does the senior team provide collective leadership and direction to the agency and how well does it implement change?
		How effectively does the board lead the Crown entity? (For Crown entities only)
	Values, Behaviour and Culture	How well does the agency develop and promote the organisational values, behaviours and culture it needs to support its strategic direction and ensure customer value?
	Review	How well does the agency encourage and use evaluative activity?

Source: SSC, 2015, p.4.

The PIF framework does include a lead question on how well innovation is used to ensure "outstanding customer experience" (SSC, 2015, p.4). However, the lead questions could be adapted to provide clearer signals about – and test the extent of – cultures, values and staff engagement processes that support innovation in service delivery (Table 3.3).

Table 3.3 Examples of modified PIF questions around learning, innovation and change

Critical area	Element	Lead questions
Openness to innovation, learning and change	Understanding of prevailing culture	How well do senior leaders understand the prevailing culture(s) within the agency?
		How well does the agency understand the influence of culture(s) on innovation, learning and openness to change?
	Active management of innovation and learning	How well do agency leaders promote a culture of learning and innovation?
		How well do agency processes support and encourage learning and innovation?
		How well are performance lessons spread throughout the agency?
	Active management of change	How well does the agency manage changes aimed at improving service delivery or efficiency?
	Staff involvement in performance improvement	How well does the agency involve staff in the generation of new ideas and ways of operating?

R3.11

The State Services Commission should adapt the Performance Improvement Framework's lead questions and elements to provide clearer signals about – and test the extent of – cultures, values and staff engagement processes that support innovation and productivity in service delivery.

#### 3.6 Understand where the frontier is, and be a "fast follower"

In the measured sector, productivity growth is often driven by the "frontier" – ie, the most advanced firms, which develop, adopt and adapt new technologies and processes to increase profitability and output. Industry-wide productivity increases as these new technologies spread out to other firms, while the poorest performing businesses shrink and exit, reallocating their resources to better uses (Conway, 2016).

This process of resource reallocation does not occur in the state sector, because government agencies are generally monopolies and are effectively immortal (Dunleavy & Carrera, 2013). However, there is a frontier for state sector services and activities, and New Zealand can move closer to it through greater diffusion and international connections. Governments in other countries provide similar services and pursue similar outcomes to those in New Zealand. There are, therefore, opportunities to learn about services, processes and other improvements in overseas jurisdictions that could raise state sector efficiency and effectiveness here. For some activities carried out within state sector agencies (eg, data collection and processing, and customer relations), the private sector can and does provide examples of frontier technologies.

A recurring theme in discussions about state sector productivity is the potential and opportunities for disruption created by technology. Governments the world over have tried to push state sectors towards taking up digital and information technology in the delivery of public services. Dunleavy and Carrera (2013) argue that "substantive changes of services" utilising technology are a central means for lifting state sector productivity:

For instance, don't try to run the existing local public libraries system more cheaply. Set up a wholly e-book national lending library in competition, and then see how citizens really want to read books, and what books they want to read. (p.300)

However, despite the considerable potential for productivity gains, technology-based disruption in public services is slow at best. Mansell (2015) attributes this to "the curious nature of the state sector":

Whole industries, such as media, retail, music, financial, transport and even the accounting profession have already or are in the process of being disrupted by big data. Yet, the state sector monopoly seems largely immune to this outside disruption. New kinds of approaches to personalised health and education, and applying social learning methods to social challenges, all have the potential to improve social services. Yet these and more radical innovations in organisational life have all but bypassed the state sector.

Comparatively, the state sector has not adapted at all. For example, the adaptation happening in Work and Income on the back of welfare reform, although eye-opening to the state sector, is merely the application of a customer-centred business model first introduced and refined 20+ years ago in the private sector. (p.9)

This comparative stability of the state sector is due to many factors, including risk aversion created by the underlying environment (discussed in Chapter 2), the monopolistic nature of many public services, the ethical and legal obligations that many state sector organisations operate under (eg, expectations of universal and equal treatment), and little investment in basic or strategic research into the design and delivery of public services. These factors mean, by and large, state sector agencies are unlikely to be consistently at the frontier of technology-driven disruption.

However, state sector agencies can be "fast followers": identifying, adapting and adopting proven technologies from the private sector or overseas state sectors to improve service delivery. Many of the recommendations outlined in this report – including clearer and higher expectations from ministers, better use of data and linking of existing datasets, higher quality commissioning and policy practice, and stronger rewards for performance – are designed to promote this change.

As Dunleavy (2015) noted, many productivity gains lie in:

thinking about restructuring services, really studying our services, really understanding them, really seizing control of them, really trying to change them and deliver public value as cheaply and as effectively as we can – including making major investments. (p.35)

#### 3.7 Conclusion

Achieving greater state sector productivity will require sustained focus by many parties, but it need not require major legislative change. Indeed, reforming existing institutions may have little impact on productivity if the organisational culture and leadership of agencies is not conducive to innovation, learning and improvement. The current statutory and institutional frameworks provide the necessary foundations, and current performance management and resource allocation tools can be modified or extended to give them more impact, and to progressively shift effort towards more productive delivery of public services.

Achieving sustained productivity gains in public services will require effort by ministers, agency leaders and central agencies, reflecting their distinct roles in making the state sector work. Proposed changes include expectation-setting processes that clearly emphasise productivity improvements, better measurement and use of measures, improvements to policy and commissioning practices, and stronger incentives in the allocation of resources to seek and attain higher productivity.

Measuring the productivity of core public services is a developing field, so approaches will evolve as techniques and data improve. Improving productivity will similarly require changes in effort and mindsets. Yet these are not reasons to delay getting started. The imperative to do so is clear.

# Findings and recommendations

#### Chapter 1 – Why state sector productivity matters

#### **Findings**

F1.1

Raising the productivity of the state sector is one of the most important contributions a government can make to national productivity and wellbeing. Higher state sector productivity would generate benefits for individuals and communities (in the form of better outcomes and more services), and the government (in the form of less pressure on public finances).

F1.2

Innovation is key to improving state sector productivity. There are organisational characteristics that make an agency more (or less) likely to innovate or adopt new ways of working. Political and external environments also make a difference to whether state sector agencies are encouraged to innovate to improve productivity.

#### Chapter 2 – The New Zealand state sector – features & experience

#### **Findings**

F2.1

There appears to be little demand for, and little inclination to supply, productivity-related performance information on core public services.

F2.2

There is some active resistance to the concept of productivity and efficiency, based either on concerns about the effort required to collect information for productivity measurement, or concern that a focus on inputs and outputs will undermine the achievement of positive outcomes for New Zealanders.

F2.3

The New Zealand state sector is intolerant of failure, which has the effect of stifling innovation.

F2.4

Many agencies lack the systems or cultures necessary for ensuring the quality of policy advice.

F2.5

Agencies' approach to commissioning can leave limited room for customer input into design and delivery; and can be poorly targeted, leading to ineffective delivery and failure demand. Traditional commissioning approaches limit the scope for innovation and improved productivity in service delivery.

Overly prescriptive funding models are constraining innovation in public services. Prescribing how inputs are to be deployed, or setting decision rights at the wrong level, can also increase the costs of services without leading to greater effectiveness.

Despite built-in processes to encourage efficiency and review, and some recent improvements to evidentiary and evaluation expectations, the incentives in the budget system for agencies to seek productivity gains in core public services are weak.

Agencies' greater use and connection of data, analytic and investment models in policy development and resource allocation is a positive step forward. While the use of evidence in policy design and performance assessment is growing, it is far from universal.

The attention paid by agencies to monitoring, review and evaluation of core public services is generally inadequate. This limits the ability of ministers and agencies to understand what works, where improvements need to be made, and how resources should be best allocated.

#### Chapter 3 – System-level changes for a more productive state sector

#### **Findings**

Ministers have a role to play in supporting agency efforts to improve productivity by championing innovation in public service delivery.

The ability to quantify and measure is important for improving state sector performance, but agencies often lack the capacity, capability and inclination to measure productivity.

There is a place for well-designed quantitative productivity measures in public sector performance systems. The main benefits of including such measures is to ensure that a balanced picture of performance is obtained, and to send stronger signals about the relative importance of productivity.

#### Recommendations

The State Services Commission should redesign the annual processes for setting and expressing ministerial expectations and standards to prompt the identification of opportunities for productivity gains in public services.

The Treasury and State Services Commission should establish and support a community of practice to share knowledge, expertise and experience in state sector productivity measurement.

The State Services Commissioner should convey his expectations to departmental chief executives that they build and sustain the capability to measure the productivity of public services.

The Treasury should collect and regularly publish information on expenditure on core public services, including (but not limited to) annual per-client or unit costs for schooling, court trials and imprisonment.

Agency leaders should introduce productivity measures into public sector performance management systems with care. Before making such indicators formal accountability measures, agency leaders should ensure that:

- there has been appropriate consultation and input from stakeholders, especially those involved in service delivery;
- the indicators align well with desired outcomes;

R3.5

R3.7

R3.8

- sufficiently robust data sources and collection processes are in place;
- leaders and middle managers support the indicators' use and application;
   and
- there are processes in place to regularly review the indicators, and test they continue to suit the operating environment.

The Treasury should continue to raise expectations on agencies seeking new funding in annual budget rounds to:

- use data, analytics and other investment models to design new initiatives and demonstrate their benefits; and
- provide robust evaluation plans for new initiatives.

As part of future budgets, the Minister of Finance should set aside a distinct portion of the operating allowance dedicated to "high impact initiative" proposals that have a high probability of making a significant impact on social wellbeing (eg, as evidenced through robust business cases and returns on investment), and then progressively increase the share of the budget allowance devoted to that portion.

The Minister of Finance should restrict access to the "high-impact initiative" portion of future budget operating allowances to those departments that can credibly demonstrate productivity gains from existing baselines.

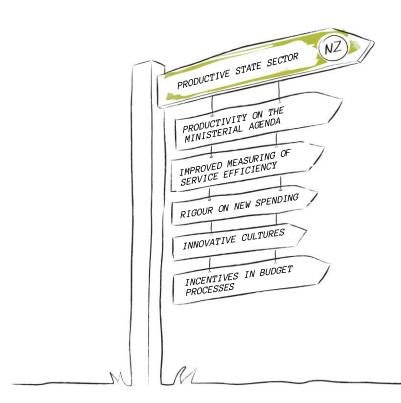
R3.10

R3.11

The Minister of Finance should allow non-government organisations to make budget bids directly to the Treasury for the "high-impact initiative" portion of the operating allowance in specified priority areas or outcomes, without having to go through the relevant Vote department.

Agencies responsible for the purchase or delivery of core public services should review their funding models, with a view to moving as many models as possible towards results- and outcome-based systems, or otherwise improving incentives for productivity improvements.

The State Services Commission should adapt the Performance Improvement Framework's lead questions and elements to provide clearer signals about – and test the extent of – cultures, values and staff engagement processes that support innovation and productivity in service delivery



# Appendix A Public consultation

#### **Submissions**

Individual or Organisation	Submission numbers
Vincent Blackburn	DR26
District Health Boards	17, DR29
Hermann Grobler	5
GovTech World (New Zealand)	DR31
Patricia M Harrison	3
Inland Revenue	7
Bernard Jennings	DR30
Methodist Mission	1
Methodist Mission Southern	DR18
Ministry of Social Development	12, DR21
New Zealand College of Critical Care Nurses	15
New Zealand Council of Trade Unions	9, DR28
New Zealand Kindergartens	10
New Zealand Nurses Organisation	14
NextEra Global	16
OMEP Aotearoa New Zealand	DR24
PEPworldwide NZ Limited	6
Public Service Association	11, DR22
State Services Commission	DR19
Te Puni Kōkiri	DR27
Te Rito Maioha Early Childhood New Zealand	2
The Treasury	DR20
The New Zealand Initiative	8
University of Auckland Dept of Accounting & Finance	DR23
Bruce D White Consulting	13
Waikato Bay of Plenty Chapter OMEP	DR25
Youth Horizons	4

#### **Engagement meetings**

Accident Compensation Corporation

Australian Department of Finance

Jon R Blondal, Senior Budget Official of the OECD

Bruce D White Consulting Ltd

Capital and Coast DHB

Canterbury DHB

Central Regional TAS

Debbie Chin

Compass Health Network

Professor Martin Connor, Executive Director, Centre for Health Innovation, Griffith University

Amy Downs, Vice President, Colorado Health Institute, USA

Professor Patrick Dunleavy

Education New Zealand

Education Payroll Limited

Chris Eichbaum

Derek Gill

Dr Ben Gray, Newtown Union Health Centre and Otago School of Medicine

Professor Arthur Grimes, Victoria University of Wellington

Murray Horn

HM Treasury (Jane Cunliffe, Director of Spending)

Justice Sector Deputy Chief Executives Group

Land Information New Zealand

McKinsey Global Institute Council

John Macaskill-Smith, Pinnacle Midlands Health Network

James Mansell

Methodist Mission Southern

Ministry of Education

Ministry of Health

Ministry of Justice

Ministry of Social Development

Ministry for Vulnerable Children, Oranga Tamariki

David Moore and Tom Love, Sapere

Professor Donald Moynihan, Robert M la Follette, School of Public Affairs, University of Wisconsin

New Zealand Council for Educational Research

New Zealand Council of Trade Unions

New Zealand Customs Service

New Zealand Police

New Zealand Treasury

Ora Toa Community Health Services, Ngāti Toa Rangatira Iwi

The Policy Project, DPMC (Diane Owenga)

The Royal New Zealand College of General Practitioners (Dr Richard Medlicott, Michael Thorn)

Rural Women New Zealand

Social Investment Agency

St John National Headquarters, Lilah Barnett

State Services Commission

Statistics NZ

#### **Roundtables**

Official's workshop on Measuring state sector productivity, Wellington 27 October 2017

The Health Roundtable – NZ Chapter, Wellington 23 November 2017

#### Conferences and seminars

Empowering Customers & Communities, Wellington	5 July 2017
Dr Richard Meade, The Economics of Social Services, New Zealand Treasury	17 August 2017
Professor Zoe Radnor, "Lean" and public sector productivity: panacea or	23 August 2017
paradox?, Reserve Bank of New Zealand	
Professor Martin Connor, Executive Director, Centre for Health Innovation,	30 October 2017
Griffith University, Reserve Bank of New Zealand	
After 5 Governance in Government	29 May 2018

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## Terms of reference

Issued by the Minister of Finance (the "referring Minister"). Pursuant to sections 9 and 11 of the New Zealand Productivity Commission Act 2010, I hereby request that the New Zealand Productivity Commission ("the Commission") undertake an inquiry into how the New Zealand State sector can effectively measure and improve productivity in core public services, with a particular focus on health, education, justice and social support.

#### Context

Improving the productivity of the state sector, the value we are realising from our resources, helps improve the prosperity of the country, and allows for better outcomes to be achieved from scarce tax payer resource.

Recent progress has been made in improving value across the different dimensions of value for money performance. The Better Public Services Results determine priority areas for improvement. Social Investment and other effectiveness work is getting better at identifying where to invest and tracking what the impact of investment is.

A third dimension of performance is efficiency/productivity. For many of the core public services that constitute a large proportion of existing expenditure, there are still opportunities to better understand efficiency and how to optimise inputs/resources in delivering quality products and services. Current gaps in good measures of productivity limit assurance Ministers have on performance and innovation of current delivery models, and Chief Executives ability to understand and improve their business. It also suggests an opportunity to achieve more from current resources, and better engage the State sector workforces on opportunities to do things better.

Public services are often complex covering a range of services, clients, and different mechanisms to achieve a range of desired outcomes. This can make it more difficult than private sector industries to capture performance, and to take actions to improve it. Internationally, there are few common productivity measures that capture quality dimensions in key sectors like education and health. But, there are lessons on how to better understand dimensions like quality in inputs and outputs, leverage innovation and economies of scale, and improve productivity and efficiency in the public sector.

#### Scope

The Productivity Commission (the Commission) is to consider New Zealand and international public and private sector best practice in understanding and improving productivity. This should focus on the narrower definition of productivity as how efficiently inputs/resources are being utilised to generate quality outputs/services.

The Commission should take account of broader definitions of performance and productivity, in considering how to capture elements like quality, and how efficiency measures can complement dimensions like effectiveness. However, the Commission should not focus advice on the contribution of services to longer-term outcomes, prioritisation of interventions, or other performance dimensions already being developed through social investment or other work programmes.

The inquiry should focus on developing practical guidance and recommendations that consider perspectives and roles of different state sector decision-makers such as Ministers, Chief Executives, and managers, and how these different needs can be balanced.

The inquiry is to focus on guidance that is relevant to decision-makers across the "core" services in the health, education, justice and social development sectors, such as: teaching, hospitals and primary healthcare, policing, courts, corrections, and work and income services.

Having regard to the above, the Commission should undertake an inquiry that considers and provides advice on:

- a) How to measure efficiency/productivity in each of the identified core public service sectors: health, education, justice, social support. This should focus on meso (sector) and micro (function or service) level measures. Guidance should consider key measurement and accuracy issues, and how imperfect measures are most appropriately and usefully employed.
- b) The appropriate role of identified efficiency/productivity measures in public sector performance frameworks, with the goal of improving assurance to Ministers and incentives on agencies for improvement. This should draw on theory and evidence of incentive and disincentive effects of measurement and other performance approaches on different workforces.
- c) Developing the capability, culture and systems that can support agencies to better measure, understand and improve productivity.

The Commission should prioritise its effort by using its judgement as to the degree of depth and sophistication of analysis it applies to satisfy each part of the Terms of Reference; and to the degree of depth in each specific sector, while providing advice on best measures in the identified sectors.

#### **Exclusions**

The Commission should not carry out in depth analysis or provide detailed recommendations on specific policies relating to service access or provision in sectors.

The Commission should not duplicate work on issues like where to invest, or service effectiveness, being developed as part of the social investment approach.

#### Consultation requirements

In undertaking this inquiry the Commission should consult with key interest groups and affected parties relevant to the identified sectors and particular services where efficiency measures are identified. Consultation should include public sector agencies, those in receipt of public services, and private sector agents who may have relevant insights.

#### Timeframe

The Commission must publish a draft report and/or discussion document, for public comment, followed by a final report that must be presented to the Minister of Finance as Referring Minister by 30 August 2018.

HON STEVEN JOYCE, MINISTER OF FINANCE



