



CITY OF HOBART

AGENDA

Special Governance Committee Meeting

Open Portion

Tuesday, 14 March 2017

at 4.30 pm

Lady Osborne Room, Town Hall

THE MISSION

Our mission is to ensure good governance of our capital City.

THE VALUES

The Council is:

about people	We value people – our community, our customers and colleagues.
professional	We take pride in our work.
enterprising	We look for ways to create value.
responsive	We're accessible and focused on service.
inclusive	We respect diversity in people and ideas.
making a difference	We recognise that everything we do shapes Hobart's future.

ORDER OF BUSINESS

Business listed on the agenda is to be conducted in the order in which it is set out, unless the committee by simple majority determines otherwise.

APOLOGIES AND LEAVE OF ABSENCE

- 1. CO-OPTION OF A COMMITTEE MEMBER IN THE EVENT OF A VACANCY 4**
- 2. INDICATIONS OF PECUNIARY AND CONFLICTS OF INTEREST 4**
- 3. REPORTS 5**
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 - 3.2 Cities 4.0 Summit, Melbourne - 21 to 23 March 2017 -
Aldermanic Nominations 27

Special Governance Committee Meeting (Open Portion) held Tuesday, 14 March 2017 at 4.30 pm in the Lady Osborne Room, Town Hall.

COMMITTEE MEMBERS

Ruzicka (Chairman)
Deputy Lord Mayor Christie
Cocker
Thomas
Reynolds

Apologies: Nil.

Leave of Absence: Nil.

ALDERMEN

Lord Mayor Hickey
Zucco
Briscoe
Sexton
Burnet
Denison
Harvey

1. CO-OPTION OF A COMMITTEE MEMBER IN THE EVENT OF A VACANCY

2. INDICATIONS OF PECUNIARY AND CONFLICTS OF INTEREST

Ref: Part 2, Regulation 8(7) of the *Local Government (Meeting Procedures) Regulations 2015*.

Aldermen are requested to indicate where they may have any pecuniary or conflict of interest in respect to any matter appearing on the agenda, or any supplementary item to the agenda, which the committee has resolved to deal with.

3. REPORTS

3.1 TasWater Ownership and Governance Issues Update File Ref: F17/24743

Report of the General Manager of 10 March 2017 and attachments.

Delegation: Council



City of **HOBART**

MEMORANDUM: GOVERNANCE COMMITTEE

TasWater Ownership and Governance Issues Update

Background

At its 6 March 2017 meeting, the Council considered a report in relation to TasWater ownership and governance issues; the Council resolved as follows:

That the Council:

Reject the State Government taking over water and sewerage systems across the State, without adequate consultation and compensation to owner Councils.

Write to the Treasurer to obtain more details about the government's model for TasWater.

Seek to engage with the Upper House, other political parties and its communities to explore the potential value of these assets in the long term.

Issue a media release stating its position on this issue.

Reaffirm the importance of the financial asset represented by the water and sewerage assets and the need to preserve these assets in any developing agenda.

On 7 March 2017, the Premier of Tasmania, the Hon. Will Hodgman MP and Minister for Local Government, the Hon. Peter Gutwein MP announced that the State Government would take over responsibility for, and control of, TasWater.

Given this announcement, it was considered by myself to be inappropriate to enact the Council decision from 6 March and to refer to Council to consider the developments which have occurred since the Council last met.

Chronology

In the Premier's address on the first day of State Parliament for the year he announced the Government would take over TasWater from 1 July 2018. A '*Taking Control of TasWater*' document (**Attachment A**) was issued by the Minister for Local Government the same day (7 March 2017). This document summarises the State Government's decision to intervene in Tasmania's water and sewerage.

The Local Government Association of Tasmania (LGAT) issued a media release, titled, 'Councils to carefully consider State Government ownership model for TasWater' following the Premier's announcement (**Attachment B**).

On 8 March 2017, the Minister for Local Government addressed the Parliament on the matter of TasWater (**Attachment C**).

The Leader of the Opposition, the Hon. Bryan Green MP, in his response to the Premier's address on 7 March 2017, whilst acknowledging the extent of the water and sewerage problem, pledged to keep TasWater in the hands of local councils if they were to win government at the next State Election (**Attachment D**).

The Mercury on 10 March 2017 reported that some members of the Legislative Council may consider the establishment of a select committee to examine the change in TasWater ownership.

Discussion

The State Government's announcement on Tuesday of its intention to take over TasWater from 1 July 2018 is centred around the perceived significant challenges that TasWater faces in meeting environmental, public health, dam safety and water regulations under the stewardship of Tasmania's Councils.

It is the State Government's view that the current situation cannot be allowed to continue, therefore they have decided to take control of TasWater in order to address the situation.

In outlining its proposal to take over TasWater, the State Government has highlighted a number of benefits. They are:

- Councils will receive not one dollar less than the returns that they have been promised by TasWater up until 2024-25 after which, Councils will receive one half of the value of total returns from TasWater indefinitely.
- The legislation for the takeover of TasWater will contain explicit provisions to prevent a future privatisation of TasWater.
- No employees will lose their job as a result of the change in ownership. TasWater employees will be transferred to the new TasWater government business and their employment terms and conditions will be retained.
- Concessions to low income Tasmanians and pensioners remain as they are, firmly in place.

The State Government's commitment, through legislation, to ensure the above benefits occur provides a good outcome in order to address the challenges facing Tasmania's water and sewerage infrastructure.

Given this, the Council may wish to provide in principle support for the proposed changes, subject to its consideration of the new legalisation which is due to be introduced in the 2017 spring session of Parliament.

In the event that the Council seeks to rescind its motion of 6 March, an absolute majority will be required.

RECOMMENDATION**That:**

1. ***That the information be received and noted.***
2. ***The Council note the State Government's commitment in relation to the future ownership and governance of TasWater, namely that:***
 - 2.1 ***Councils will receive not one dollar less than the returns that they have been promised by TasWater up until 2024-25 after which, Councils will receive one half of the value of total returns from TasWater indefinitely.***
 - 2.2 ***The legislation for the takeover of TasWater will contain explicit provisions to prevent a future privatisation of TasWater.***
 - 2.3 ***No employees will lose their job as a result of the change in ownership. TasWater employees will be transferred to the new TasWater government business and their employment terms and conditions will be retained.***
 - 2.4 ***Concessions to low income Tasmanians and pensioners remain as they are, firmly in place.***
3. ***In view of the State Government's decision, the Council determine if it wishes to amend its decision of 6 March 2017.***

As signatory to this report, I certify that, pursuant to Section 55(1) of the Local Government Act 1993, I hold no interest, as referred to in Section 49 of the Local Government Act 1993, in matters contained in this report.



N.D Heath
GENERAL MANAGER

Date: 10 March 2017
File Reference: F17/24743

Attachment A: 'Taking Control of TasWater' ↓
Attachment B: Local Government Association of Tasmania - Media Release ↓
Attachment C: Minister for Local Government Address to Parliament ↓
Attachment D: Leader of the Opposition Response on TasWater ↓

Taking Control of TasWater



Taking Control of TasWater

Why has the State Government decided to intervene in Tasmania's water and sewerage?

Tasmania's enviable reputation and indeed our brand for having a clean and safe environment is at risk because our water and sewerage system is not up to the standard it should be.

Despite substantial reform to the structure of the Tasmanian water and sewerage industry and the regulatory framework over the past decade, TasWater continues to face significant challenges in meeting environmental, public health, dam safety and water regulations under the stewardship of Tasmania's Councils.

Owned by Tasmania's 29 local Councils, TasWater has not made sufficient progress in meeting the objectives of earlier reforms.

Despite the obvious and urgent need for substantial investment in water and sewerage infrastructure, 25 towns remain on Boil Water or Do Not Consume alerts, only one of Tasmania's 78 Level Two sewerage plants is 100 per cent compliant with EPA discharge to waters limits and in recent years the rate of sewage overflows to the environment has been higher than seven times the national average.

The fact is local Councils have been paid significant returns during their period of ownership, receiving money from TasWater that has not been able to be reinvested in desperately needed upgrades to infrastructure.

While TasWater's Board did take the extraordinary step last year to override their local Council owners and reduce distributions to them to help increase spending on infrastructure, it's not enough and more needs to be done. Councils have not delivered on their fundamental duty to ensure TasWater delivers safe drinking water and sewerage services.

Clean, safe water and a first-world sewerage system are important for public health, our lifestyle, our brand and our economy.

It's simply not good enough that visitors to our State need to check if tap water is safe to drink and the water is safe to swim in. It's not good enough for affected residents who have to fill plastic bottles from communal water tanks in order to have clean water in their homes.

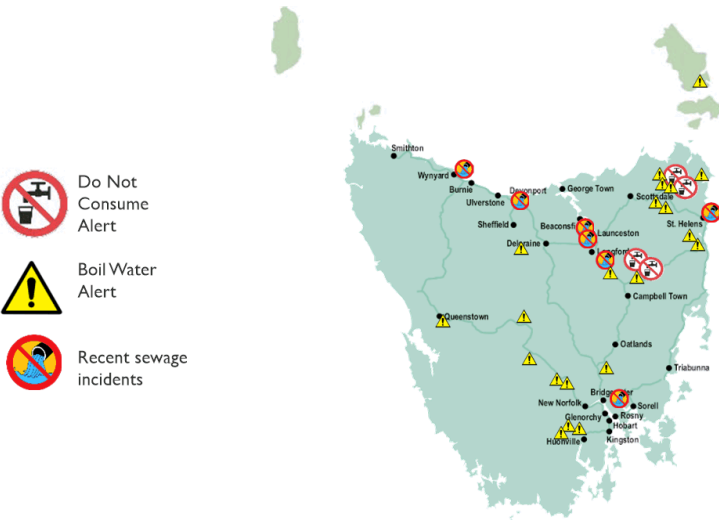
The Government has repeatedly raised these concerns with the Local Council Owners over the last three years. The situation cannot be allowed to continue and the State Government has decided to take control of TasWater in order to fix it.

*Tasmanians expect
and deserve better.*



Do Not Consume/Boil Water Notice

Tasmanian towns operating with Do Not Consume/Boil Water Notices or public health alerts at 3/3/17



Clear Benefits

LOWER PRICES	<ul style="list-style-type: none">• Price increases for consumers will be lower.• The Government will target future price increases to be within a 2.75 to 3.5 per cent range - well below the current level of 5 per cent projected by TasWater and its Council Owners.• Over 6 years an average customer can expect to save up to \$548.
NO NEED FOR RATE INCREASES	<ul style="list-style-type: none">• Councils will receive not one dollar less than the returns that they have been promised by TasWater up until 2024-25, after which, Councils will receive one half of the value of total returns from TasWater indefinitely.
WATER AND SEWERAGE FIXED SOONER	<ul style="list-style-type: none">• On taking control of TasWater on 1 July next year, our plan is to bring forward and complete the remainder of the \$1.5 billion capital program over a 5 year period to ensure water and sewerage infrastructure is fixed faster.
NO CHANGE FOR EMPLOYEES	<ul style="list-style-type: none">• No employees will lose their jobs as a result of the change in ownership.• TasWater employees will be transferred to the new TasWater government business and their employment terms and conditions will be retained.
NO PRIVATISATION	<ul style="list-style-type: none">• The legislation for the takeover of TasWater will contain explicit provisions to prevent a future privatisation of TasWater.

Options Considered

When the State Government met recently with all local Council TasWater owners to discuss accelerating the investment in water and sewerage services in Tasmania, five options were considered.

OPTIONS	PROS	CONS
Status Quo	<ul style="list-style-type: none"> No action required 	<ul style="list-style-type: none"> No improvement from current situation Not acceptable to State Government
Federal injection of funds	<ul style="list-style-type: none"> Significant Federal funding would accelerate expenditure on water and sewerage No further impost on local government 	<ul style="list-style-type: none"> Unrealistic given state of Federal Budget Current Federal election cycle Effectively just “kicks the can down the road”
Councils reduce returns (Dividends/ ITE/Guarantee Fees)	<ul style="list-style-type: none"> Accelerates capital expenditure on water and sewerage 	<ul style="list-style-type: none"> Councils lose revenue Some Councils can manage Others more difficult
Increase Prices	<ul style="list-style-type: none"> Accelerates capital expenditure on water and sewerage 	<ul style="list-style-type: none"> Consumers already facing 30 per cent increase over six years Many households already facing significant cost increases Not acceptable to State Government
Tasmanian Government intervention	<ul style="list-style-type: none"> Tasmanian Government greater capacity to contribute than Councils Accelerates capital expenditure on water and sewerage 	<ul style="list-style-type: none"> Budgetary impact on Tasmanian Government TasWater ownership structure complicates State Government intervention



Options Considered

The State Government made it clear to local Councils that neither the status quo option nor increasing prices were acceptable outcomes. Councils also indicated that they would like more to be done.

While the State Government will always argue for Tasmania's fair share of Federal funding, as no Australian Government funding has been forthcoming to date, this option is not realistic in the short term, and in effect just "kicks the can down the road". On this basis, this was also rejected as a viable option.

Councils rejected the option of reducing their TasWater returns to provide for an accelerated timeframe for investment in infrastructure.

The final option of State Government intervention is the only realistic way to address the challenge we face to bring Tasmania's water and sewerage infrastructure up to an acceptable level over a shorter timeframe.

Tasmanian Government Control of TasWater

"The State Government has decided that the best way to resolve Tasmania's inadequate water and sewerage infrastructure is to assume ownership and control over TasWater.

"This will facilitate a faster solution to the problem and resolve the long term underinvestment that has led to the current unsatisfactory situation."

The Treasurer, Hon Peter Gutwein MP

Key Benefits of State Government Ownership

The transfer of TasWater into State Government ownership will facilitate improved water and sewerage infrastructure and lower costs to Tasmanians. The key benefits are outlined below.

Substantial increase in investment in water and sewerage infrastructure

On taking control of TasWater on 1 July next year, our plan is to bring forward and complete the remainder of the \$1.5 billion capital program over a 5 year period which will allow TasWater to fix water and sewerage infrastructure earlier than under current local government ownership.

The State Government can achieve this increased expenditure without adversely impacting water and sewerage charges or Council rates, by using the underlying strength of its financial position.

TasWater has the capacity to take on more debt and under State ownership it will have a lower cost of borrowing. This means it can borrow

more for less and invest more to fix Tasmania's water and sewerage infrastructure sooner. In addition, the State will use its strong financial position to support TasWater should that be required.

As it stands at the moment, the Government's target of increased investment over five years can only begin once it assumes control on 1 July 2018. However, subject to Councils' agreement as the current owners of TasWater, work can begin immediately on the planning and scoping of the future infrastructure program. It is hoped that Councils will put the interests of Tasmanians before politics and agree that this work commence immediately.

Water and Sewerage prices will be lower under State Ownership

Upon assuming ownership, the State Government will set a price increase of 2.75% for the 2018-19 year and will target price increases of between 2.75% and 3.5% per annum in future years.

This is materially below the price increases projected by the Council Owners of around 5% over 6 years.

An average customer, over 6 years, could expect to save around \$548 at 2.75% and \$370 at 3.75%

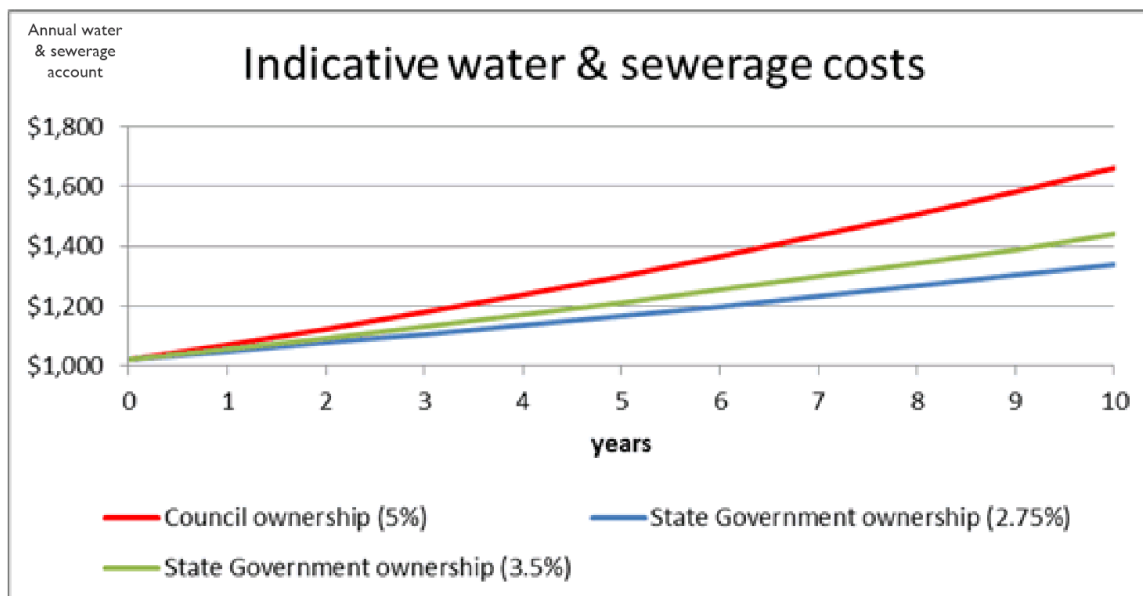
compared to the 5% growth in prices forecast by the Council Owners.

The chart below shows the indicative price increases based on the current average water and sewerage bill of \$1,020 and applying average price increases of between 2.75%, 3.5% and 5.0%.

In addition, the State Government will continue to provide water and sewerage concessions to eligible pensioners, currently worth \$9 million per annum.



Key Benefits of State Government Ownership



Council rates will not be impacted by the transfer of ownership

The State Government will legislate to ensure that distributions continue to be provided to local government over the period to 2024-25 as already announced by TasWater.

They will receive \$30 million for 2016-17 and 2017-18 and for the seven year period following 1 July 2018 (the date on which the State Government expects to assume ownership) Councils will continue to receive annual distributions of \$20 million per annum.

This is the same amount proposed by TasWater last year. Local government will not “receive one dollar less” over this period.

Following this period, local government will receive half of any future distributions from TasWater.

Councils will no longer own or be responsible for water and sewerage in Tasmania and yet they will still receive returns from TasWater. This is a risk-free return for local Councils in perpetuity.

The long timeframe over which Councils will receive a guaranteed return, followed by a 50% share of returns into the future, will ensure that Councils have adequate time to plan and will not need to increase rates as a result of the Government assuming control.

Summary of Key Matters

1. The Government intends to establish a new government business to provide water and sewerage services in Tasmania, through legislation to be introduced in the 2017 Spring session of Parliament and for the new business to commence operations on 1 July 2018;
2. We will transfer the operating business and all its employees to the new government business;
3. The current price determination will be extended to 30 June 2019 with the price increase set at 2.75% for customers on the target tariff;
4. From 1 July 2019, the Treasurer will determine water and sewerage prices with the Regulator providing guidance by continuing to conduct water and sewerage price investigations;
5. The Government will target future price increases to be within a 2.75% to 3.5% range;
6. The Regulator will remain responsible for setting customer service standards and the retention of all other regulation, including environmental, public health, dam safety and water;
7. A legislated obligation to provide Councils with payments of \$20 million per year from 2018-19 over a seven year period, to provide Councils with the same returns as announced by TasWater last year;
8. A commitment from the Government that it will receive no net returns from the entity over this period; and, following this period, Councils will receive one half of any returns from the entity in perpetuity;
9. On taking control of TasWater on 1 July next year, our plan is to bring forward and complete the remainder of the \$1.5 billion capital program over a 5 year period;
10. After the targeted investment phase, it is expected that investment levels will remain elevated as projects that currently sit outside of TasWater's 10 year plan are progressed;
11. No employees will lose their jobs as a result of the change in ownership. TasWater employees will be transferred to the new TasWater government business and their employment terms and conditions will be retained; and
12. The legislation for the takeover of TasWater will contain explicit provisions to prevent a future privatisation of TasWater.

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MEDIA RELEASE

FOR IMMEDIATE RELEASE

7 March 2017

Councils to Carefully Consider State Government Ownership Model for TasWater

The Local Government sector is committed to carefully considering the model of State Government ownership proposed in the Premier's State of the State address in Parliament today and awaits further detail.

"It appears the Government has recognised a number of concerns raised by the Owners' Representatives' Group when they met with him on 24 February," said LGAT President, Mayor Doug Chipman.

"In particular, the model outlined has acknowledged the importance of the return to councils and their communities, the need to keep water prices as low as possible, and a broad concern regarding future privatisation."

"However, the detail will be important. TasWater's council owners are confident that TasWater could deliver the robust 10-year capital plan and would like to better understand the feasibility and impacts of an accelerated program," Mayor Chipman said.

"Councils will also be keen to hear and consider any alternative proposals from the State opposition."

"Regardless of any future model for delivering water and sewerage services in Tasmania, the work of the skilled and professional Board and staff of TasWater is very much appreciated."

"The Local Government Association of Tasmania has invited the Treasurer, Peter Gutwein to attend the LGAT General Meeting on 7 April, by which time each council will have had the opportunity to consider the detail," he said.

Ends....

**For media enquiries, please contact
LGAT President, Mayor Doug Chipman on 0409 704 835**

8 March 2017

Peter Gutwein, Treasurer

Ministerial statement - TasWater

PLEASE CHECK AGAINST DELIVERY

Madam Speaker, as announced by the Premier yesterday in the Premier's Address, the Government has decided that the problems that we all know exist in Tasmania's water and sewerage sector have been allowed to persist for too long.

The provision of clean water and effective sewerage is something that all Tasmanian communities rightfully expect to receive in the 21st century. Fixing the problems that exist across the state is a challenging issue, and one that the Hodgman Liberal Government is determined to tackle head on, because it is critical to tourism and our brand, and central to building the foundation for our economy to grow.

Before the 2008 reforms, collectively local government administered over 90 water supply schemes, and reticulated sewerage wastewater treatment services were provided by our councils. However, by the early 2000s, it became clear that this model was simply unsustainable.

There were too many small schemes servicing dispersed communities, and many councils were simply unable or unprepared to fund the cost of providing and maintaining modern infrastructure that met public health and environmental standards.

Madam Speaker, in 2006 a review of the industry was undertaken to examine the adequacy of Tasmania's water and sewerage industry. The key findings of the review included:

1. towns were on permanent boil water alerts, including key tourist towns;
2. treatment plants had low levels of compliance with environmental standards;
3. limited information on asset condition was available, and most service providers didn't have strategic asset management plans;
4. thousands of properties on the urban fringe were not connected to the sewerage network, who could reasonably expect to be; and
5. up to \$1 billion was needed over the following 10 years to bring services up to scratch.

Madam Speaker, that review made it clear that reform of the sector was needed urgently, to address the public health and environmental issues that had been identified. These findings led to the 2008 reforms, which were rightly supported by both sides of this House.

In 2008, the Parliament legislated to consolidate the delivery of water and sewerage across Tasmania, retaining local government ownership, whilst a more transparent approach to pricing was also established.

The purpose of the reforms was to enable the water and sewerage sector to operate on an appropriate commercial basis, with the balance sheet strength and expertise to deliver the outcomes that the community rightfully expected. The pooling of resources and staff should have enabled the sector to leverage its asset base, and achieve the much needed efficiencies of scale.

But sadly, the approach taken to date has not been successful.

Madam Speaker, this is no secret – it is on the public record. Report after report from the Tasmanian Economic Regulator and the Environment Protection Authority have laid bare just how little progress has been made.

Almost eight years after the initial reforms, there have been no significant inroads made in addressing the problems that gave rise to those reforms, and prices are still forecast to increase dramatically.

Despite the fact that in 2008 it was believed that up to \$1 billion needed to be spent on fixing the problems, last December TasWater gave evidence to the Scrutiny Committee that, eight years later, only \$700 million in capital upgrades had been delivered, while the size of the task has apparently grown – TasWater's Chair Miles Hampden told the hearing that "The simple fact is much of our infrastructure has been deteriorating faster than we have been fixing it".

TasWater we accept has had a difficult task. Underinvestment in infrastructure, in some cases for decades, has led to a situation where eight years on from when the reforms were put in place real progress has been difficult to point to.

In its 2016 *State of the Industry* report, the Economic Regulator noted that:

1. improvements to the supplies of small towns across Tasmania, there were still 26 towns operating with restrictions on the safe use of their drinking water;
2. only 72% of Tasmania's drinking water supply systems achieved bacteriological compliance;
3. TasWater hadn't yet fully implemented its monitoring program and 10 drinking water systems were not adequately monitored in 2014-15;
4. infrastructure wasn't adequately coping with demand, with continued instances of raw sewage being released to the environment through sewer breaks and overflows;
5. overflows were at 7 times the national average; and
6. despite significant investment, compliance with regulatory discharge limits had actually declined over the preceding five years.

In the Economic Regulator's own words, "*these outcomes resulted from prolonged underinvestment in sewerage networks and treatment facilities across the State as well as unsatisfactory operating practices and inadequate maintenance.*"

The EPA has previously said that inadequate investment was a key reason for the lack of progress, and that its patience could only be stretched so far when dividends are being paid to owners rather than invested in infrastructure and operations.

In its most recent Annual Report, the EPA stated that "*compliance with discharge to waters limits has gradually decreased since the hand-over of the sewerage infrastructure from local councils to the regional corporations ... and then TasWater.*"

Madam Speaker, the issues are there in the reports of the Regulator and the EPA for all to see.

Since coming to Government, I have repeatedly made my concerns known to TasWater and its owners. We have always said we would work with TasWater, but that the owners needed to deliver on their responsibilities and that we wouldn't be handing over a blank cheque.

Since 2014, I have made it clear in meetings with the business and the Owners' Representatives that the Government's position is that this was first and foremost, the responsibility of TasWater and its owners to fix.

In May 2015, following a meeting on these issues, I wrote to Mayor Tony Foster, as the then Chief Owners Representative, saying that the Government would not intervene – providing TasWater and its owners delivered on the environmental and public health outcomes that were needed. I also expressed the Government's concerns that unnecessary financial constraints were being placed on TasWater to maintain the returns to its owners at a pre-determined level.

In July last year, following my speech to the LGAT conference where once again I raised these issues, I wrote to Mayor David Downie, who succeeded Tony Foster as Chief Owners' Representative, reiterating the State Government's position that local government should be prepared to do more.

Madam Speaker, I could not have made it clearer to TasWater's owners over the last 2 years that with ownership comes responsibility, and that – first and foremost – funding TasWater's infrastructure investment is the responsibility of the councils who own the business.

However, the reality is that the Tasmanian community have not been receiving their end of the bargain struck in 2008, in the form of improved public health and environmental outcomes.

Madam Speaker, last year it was refreshing to see that Miles Hampton recognised the need to do more and he and his board acted unilaterally to reduce returns to their owners and increase the level of investment being undertaken.

However given Councils' expectation of continuing returns, it is clear that over time TasWater has been forced to adopt a very conservative investment strategy, and this

has been a major constraint on TasWater's ability to deliver its infrastructure program. As noted by the Economic Regulator, TasWater's borrowings, as a proportion of owners' equity, are far below the level of comparable mainland providers.

It is obvious that TasWater could fund significantly more in capital investment to fix its ailing infrastructure, if it hadn't adopted such a conservative approach to its level of borrowings.

Madam Speaker, at the time of the 2008 reforms ownership was left with Tasmania's councils. At that time, it was made clear to all stakeholders that while the financial returns would flow back to councils, those councils would be expected to deliver the necessary public health and better environmental outcomes for the State Government and the Tasmanian community. That was the dividend the State was meant to receive.

Madam Speaker, TasWater's owners recently appeared in Government Business Scrutiny Hearings at the end of last year saying that they faced an impossible challenge, and as I have previously said TasWater's Chair gave evidence that the infrastructure is deteriorating faster than TasWater is fixing it.

The State Government has heard these concerns and, while noting that Local Government have significant balance sheet strength, collectively as the owners of TasWater we understand that they believe they are unable to do more. However more must be done.

Madam Speaker, only a few days ago, I received an email from a couple who live in North East Tasmania, and who also own a second property that they are trying to sell. The situation they described to me can only be described as third world.

They have no option other than to drive a car full of plastic containers to the local sportsground to collect water from the communal water tank, to collect the water that they will drink for the week. Throughout winter, they paint a very distressing picture of Tasmanians struggling with numb fingers and trying not to slip over in the mud surrounding the tank while they fill their water bottles. That is not the Tasmania we want nor is it the Tasmania we will accept.

In relation to the property they are trying to sell, which is in another town subject to a Do Not Consume alert due to lead contamination, they now have to pay to have water trucked in, and the uncertainty over the town's future water supply is making it difficult to sell their property.

In the 21st century, in a prosperous Western democracy, these outcomes are unacceptable, and we should all view them as unacceptable and we have formed the view that – quite frankly –this situation is untenable.

These issues affect us all as a State and as a community – not just those Tasmanians who have to tolerate dirty water and failing sewerage systems, or the tourism, agriculture or aquaculture operators whose livelihoods are affected, but also the broader community. Other industries and other jobs rely on the economic activity generated by these sectors.

The State Government does consider that we have reached a “crisis point”, and as the Premier outlined yesterday we are no longer prepared to stand by and let this situation continue. As members are aware I recently convened a meeting with TasWater’s owner councils to examine the options going forward.

We were quickly able to establish that neither the status quo nor continued price hikes were acceptable, that federal funding was unlikely, and it was clear that Councils were unwilling to reduce their returns from the business.

Madam Speaker, that left us with only one option –intervention by the State Government. At that meeting I advised the owners that the Government was actively considering taking control of Tasmania’s water and sewerage infrastructure, to leverage the strength of the State’s finances and other resources, to provide the quality and level of service that all Tasmanians deserve.

Madam Speaker, as announced by the Premier yesterday, we have made our decision, that we must, as a State Government, assume responsibility for delivering this critical infrastructure.

We will be introducing a suite of legislation in the Spring Session of Parliament that will transfer all of TasWater’s assets, rights, obligations and liabilities, including employees under their current terms and conditions, to a newly created government business, which will commence operations by 1 July next year.

The legislation will establish a new GBE under the *Government Business Enterprises Act* together with portfolio legislation, which will transfer full responsibility for Tasmania’s water and sewerage to the new entity.

The GBE act will be amended to enable the new Government Business to be subject to Ministerial directions to ensure that the needs of the community are met.

As stated by the Premier yesterday, this legislation will also explicitly rule out a privatisation of the business. In order to deliver the policy objectives that the community expects, it is important that the business remain directly accountable to the Government.

Establishing the new entity as a State Government GBE will allow us to accelerate the infrastructure program to address the public health and environmental compliance concerns more swiftly.

We intend to bring all the resources of the State Government to the table. A project team is being established, led by Treasury and supported by key agencies, charged with leveraging the expertise within Government and our own government business, such as Hydro and Tasmanian Irrigation, to finalise a Whole of State implementation plan to deliver the outcomes that the Government wants.

TasWater has a strong financial position and plenty of balance sheet capacity. By utilising the strength of the State’s financial position and a lower cost of funds, the business will be able to materially increase its investment levels. This will enable us upon taking control of Taswater on 1 July next year to bring forward and complete the

remainder of Taswater's 10 year \$1.5 billion investment program over a 5 year period to ensure that Tasmania's Water and Sewerage services are fixed faster.

Madam Speaker, we recognise that this will be a challenging task for the new business, but the Government is confident it will operate much more effectively in Government hands with a clear direction set at the outset, and closer scrutiny. We do not expect that the proposed program will require support from the State Government's balance sheet however we will use our strong financial position to support the business should that be required.

We understand that local government has held concerns regarding the loss of their returns, and that some councils would be adversely impacted if this happened. We recognise that this income stream is important to many councils in providing services to their communities, and without it those councils would be forced to consider increasing rates.

Madam Speaker, as announced by the Premier yesterday, the Government will guarantee returns to local government at the same level proposed by Taswater last year. That means that Local Government will in the current and next financial years receive returns of \$30 million a year and then for the seven years beginning on the 1st of July 2018 be paid \$20 million a year. After this period local government and their communities will continue to receive 50 per cent of the total returns from the business in perpetuity. Individual Councils will continue to receive their relative share on the same basis as currently occurs.

Madam Speaker, this means that until 2024-25 local government will receive not one dollar less than what they had previously expected to receive, and then after that they will receive one half of the total value of returns annually without the responsibility of ownership – effectively a risk-free return from the corporation in perpetuity. Legislation will enshrine this funding mechanism ensuring that councils have certainty and security going forward. As a result of the financial compensation we are providing, we firmly believe councils will have no justification for increasing rates into the future as a result of the Government assuming ownership of Taswater.

Madam Speaker, we think this is a very fair outcome, perhaps even a generous outcome, given the work that lies ahead.

Madam Speaker, we also recognise that it is important that the price impact on customers is carefully controlled.

For this reason, under State Government ownership TasWater will be subject to the same price investigation and pricing order process as the MAIB, which is undertaken by the Tasmanian Economic Regulator.

This has proven to be a successful model which allows for an open and transparent investigation to be undertaken, with plenty of opportunity for consultation, by an expert body independent of government. The advantage, however, is that it also allows the Government to be the ultimate decision maker when it comes to price levels, as Price Orders will be made by the Treasurer after receiving advice from the Regulator.

These decisions will be made in a transparent way ensuring that the community is fully aware of the price that is recommended by the Regulator and the Government's final decision.

Madam Speaker, however this Government recognises that water and sewerage bills have increased significantly since the reforms, and that further increases as proposed by Taswater's owners of 5% per annum over the next 6 years would create unacceptable cost of living pressures for Tasmanians.

We will therefore legislate to extend the current Price Determination by 12 months extending the current period until the 30th of June 2019.

From the 1st of July 2018 the price increase will be set at 2.75 per cent for customers on the target tariff. In future years the Government will target annual price increases of between 2.75 per cent and 3.5 per cent.

The Regulator will also remain responsible for setting customer service standards, monitoring the pricing and performance of Tasmania's water and sewerage industry and its other functions outside price regulation.

All non-economic regulation including environmental, public health, dam safety and water regulation will be retained.

In closing Madam Speaker, we believe that this is the best plan to get the job done. It is fair on all parties. Councils will be no worse off, customers will pay less, there will be no need for rate increases, and by utilising the strong financial position and infrastructure expertise of the State Government, water and sewerage assets can be brought up to standard quicker. We want to fix this challenge as quickly as we can and subject to councils' agreement as the current owners of TasWater, and prior to the passage of our legislation through the Parliament, it is our intention that work begin immediately on the planning and scoping of the future infrastructure program.

It is hoped that the local government owners will put the interests of Tasmanians first and agree that this work can commence as soon as possible.

Madam Speaker, I have outlined how the Government intends to fix a serious problem that is important to us all. I hope that members of this house will be supportive of fixing the challenge that is Tasmania's water and sewerage services.

Labor to tackle our major, long-term water and sewerage challenges

Labor to end deadlocks at Launceston, Mac Point and Mona Stage 2

Major, game-changing projects are not even on Liberals' radar

- **TasWater to be left to focus on its core business**

Labor Leader Bryan Green has today laid out a landmark infrastructure policy that will underpin economic growth across Tasmania for decades to come.

Mr Green used his State of the State speech to Parliament today to announce Labor will take decisive action to tackle three massive water and sewerage projects that are outside TasWater's current works plan and aren't even on the Government's radar.

- Labor will advance the replacement of Launceston's deplorable sewerage and storm water system.
- Labor will relocate the sewerage works on Macquarie Point to pave the way for up to \$1 billion in private investment.
- Labor will fix the Cameron Bay treatment plant, which stands in the way of Mona's transformative \$300 million stage 2 development.

"Labor wants to get crucial water and sewerage infrastructure built as soon as possible, to create Tasmanian jobs and give a boost to Tasmanian business," Mr Green said.

"We do not believe Tasmanians should have to wait for 30 years for the Macquarie Point vision to be delivered.

"Our solution for funding the relocation of the plant at Macquarie Point begins on our first day of Government and will deliver more than a billion dollars of investment before 2025.

"Launceston will also feel the benefits of the single largest infrastructure project in over a hundred years. The separation of the city's combined water and sewerage system is simply too important to ignore.

"There is little doubt that MONA has been a pivotal driver of growth in our tourism sector.

"Labor will allow shared equity to facilitate the development of the Cameron Bay scheme to give David Walsh the green light on his \$300 million MONA stage 2.

"Under the Liberals these projects don't even have a start date.

"Labor will tender these projects for equity investment from Australian industry super funds to expedite their completion.

“Labor’s progressive approach will take advantage of historically low interest rates and an extremely competitive superannuation market that is looking for low risk, long term infrastructure opportunities.

“As an important part of these arrangements, tenderers would need to maximise their use of local materials, Tasmanian workers and apprentices.

“Rates of return to superannuation investors would be low in order to protect households from bill increases.

“TasWater would remain in local government hands and dividends would continue to be paid, providing acceptable project timeframes and performance standards are met.

“Rather than picking a fight with councils that will delay progress for at least another year – Labor would get on with fixing the problem.

“Labor’s bold policy will empower TasWater to focus on its core business – ensuring all Tasmanians have access to clean drinking water and reliable sewage systems.

“We expect TasWater to maintain a high quality and skilled workforce, especially in regional areas to operate and maintain their assets.

“TasWater should immediately halt its plans to cut 94 jobs from its works depots around the state so that we do not lose the skilled workforce we need to deliver our ambitious infrastructure agenda.

“Labor will continue to lobby for Commonwealth funding to help shorten timeframes for fixing water and sewerage challenges.”

**3.2 Cities 4.0 Summit, Melbourne - 21 to 23 March 2017 - Aldermanic
Nominations
File Ref: F17/25114**

Report of the General Manager of 10 March 2017 and attachment.

Delegation: Council



City of **HOBART**

MEMORANDUM: GOVERNANCE COMMITTEE

Cities 4.0 Summit, Melbourne - 21 to 23 March 2017 - Aldermanic Nominations

The General Manager reports:

“The attached program is provided to enable Aldermanic nominations to be sought for attendance at the Cities 4.0 Summit to be held in Melbourne from 21 to 23 March 2017.

Clause C2 of the Council's policy titled *Aldermanic Development and Support* with regard to conference attendance, provides that:

The Council may approve the attendance of Aldermen at relevant conferences as representatives of the City, in the capacity as a delegate or conference presenter, subject to budget availability.

Particular conferences where Council representation may be considered appropriate may be brought to the notice of the Council by the General Manager or an individual Alderman.

When such conferences are listed on the relevant committee agenda for consideration of representation, the relevance of the conference to the City's strategic objectives is to be addressed as part of the process.

The content of the conference is clearly relevant to local government and the Council's Strategic Plan 2015-2025 in particular Goal 2 – Urban Management, Strategic Objective 2.1 – *A fully accessible and connected City environment*.

The estimated cost of full attendance is \$3,650 per person, which is inclusive of registration fees, three night's accommodation, travel expenses and other incidental expenditure.

In the event that the Council approves Aldermanic attendance, the cost will be attributed to general Aldermanic conferences allocation within the City Government function of the 2016/2017 Annual Plan, which presently has funding available.

The information is submitted for consideration.”

RECOMMENDATION***That:***

- 1. The Council consider Aldermanic representation at the Cities 4.0 Summit, to be held in Melbourne, Victoria from 21 to 23 March 2017.***
- 2. The cost of attendance estimated at \$3,650 per person, be attributed to the general Aldermanic conferences allocation within the City Government Function of the 2016/2017 Annual Plan.***

As signatory to this report, I certify that, pursuant to Section 55(1) of the Local Government Act 1993, I hold no interest, as referred to in Section 49 of the Local Government Act 1993, in matters contained in this report.



N.D Heath
GENERAL MANAGER

Date: 10 March 2017
File Reference: F17/25114

Attachment A: Cities 4.0 Summit Program ↴



CITIES 4.0 SUMMIT

STRATEGY, TECHNOLOGY AND DESIGN FOR INNOVATIVE CONNECTED SMART CITIES

BOOK BEFORE **10 FEBRUARY**
AND **SAVE \$200!**
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21-23 March 2017
PULLMAN MELBOURNE ALBERT PARK | AUSTRALIA

KEY BENEFITS OF ATTENDING:

- Get insights from world leading smart city leaders, designers and innovators
- Understand how emerging technologies are transforming the way that cities function
- Unlock the secrets to creating more liveable resilient cities through the use of data
- Hear how smart city design is shaping the experiences of citizens and stimulating economic growth
- Get involved in collaborative fast sprint sessions designed to solve major city challenges

PLUS dedicated Cybersecurity for Smart Cities Focus Day

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Carlo Ratti
Director
SENSEable City Lab, MIT

Adam Scott
Founder and Creative Director
FreeState UK

Geoff Roberts
Deputy Chief Commissioner and
Economic Commissioner
Greater Sydney Commission

David Rohrsheim
General Manager ANZ
Uber

Michelle Fitzgerald
Chief Digital Officer
City of Melbourne

Justin Anderson
Director
Hypercat

Kate Deacon
Executive Manager - Research,
Strategy and Corporate Planning
City of Sydney

www.cities4pointzero.com.au

STRATEGY, TECHNOLOGY AND DESIGN FOR INNOVATIVE CONNECTED SMART CITIES


Cities 4.0 is where ingenious ideas are applied to your urban challenges in order to improve quality of life, strengthen economies and protect the environment.

By bringing together city and business leaders, designers, entrepreneurs and innovators from around the world, the Summit will give you the tools to transform the way your city functions.

Cities 4.0 is where your smart city becomes an innovation platform.


Key themes at the summit include:

- Creating and implementing the vision for progressive, sustainable future cities
- Why innovation districts represent a new geography of innovation within Australian cities
- The latest technology innovations for smart cities - IoT, digital, big data & analytics, mobile, social, autonomous vehicles and more
- How can IoT data be integrated into a broader citywide data plan to solve priority urban challenges?
- What needs to be done to digitize the physical city and empower individuals, innovators, and entrepreneurs to change the way cities function using data?
- Developing an innovative platform to promote collaboration between industry, academia and cities
- Creating spaces that support urban innovation and diminish the digital divide
- What are the risks inherent to a connected city and how can these be mitigated?



AGENDA AT A GLANCE





























CYBERSECURITY FOR SMART CITIES FOCUS DAY ➤ TUESDAY 21 MARCH 2017

 **SEPARATELY BOOKABLE**

Supported by



The **Cybersecurity for Smart Cities** day will focus on developing secure practices of the IoT ecosystem encompassing people, processes and technology in an urban environment. Through a series of keynotes, case studies and in-depth workshops, all in attendance will get deeper insights into the cyber challenges facing cities tomorrow and equip them with the tools to overcome them.

DAY 1  WEDNESDAY 22 MARCH 2017					DAY 2  THURSDAY 23 MARCH 2017				
 Registration					 Registration				
 Keynotes and plenary panel					 Keynotes and plenary panel				
 Networking break and showcase viewing					 Networking break and showcase viewing				
 Keynotes and plenary panel					 Keynotes and plenary panel				
 Lunch and showcase viewing					 Lunch and showcase viewing				
BREAKOUT SESSIONS					BREAKOUT SESSIONS				
 FAST SPRINT 1: Resilience	 FAST SPRINT 2: Energy & Sustainability	 FAST SPRINT 3: Transport & Mobility	 FAST SPRINT 4: Built Environment & Design	 Roundtables x 5	 FAST SPRINT 5: Resilience	 FAST SPRINT 6: Energy & Sustainability	 FAST SPRINT 7: Transport & Mobility	 FAST SPRINT 8: Built Environment & Design	 Roundtables x 5
 Networking break and showcase viewing					 Networking break and showcase viewing				
 Closing plenary panels and keynotes					 Closing panel				
 Drinks and after party					 Drinks and pitching competition in a local accelerator				

AGENDA DAY 1 WEDNESDAY 22 MARCH 2017

08:00 Registration and welcome coffee
08:50 Opening remarks from the chair


 **CATHERINE CARUANA-MCMANUS**
Director
Giant Ideas

THE FUTURE CITY

09:00 Host city welcome

 **ARRON WOOD**
Deputy Lord Mayor
City of Melbourne

09:15 International Keynote: The city of the future - sensors, networks, hackers and the future of urban life
Carlo is an Italian architect, engineer, inventor, educator and activist founder of Carlo Ratti Associati and professor at the Massachusetts Institute of Technology where he directs the MIT Senseable City Lab, a research group that explores how new technologies are changing the way we understand, design and ultimately live in cities. Ratti was named one of the "50 most influential designers in America" by Fast Company and highlighted in Wired Magazine's "Smart List: 50 people who will change the world."



 **CARLO RATTI**
Director
SENSEable City Lab, MIT

09:55 Keynote: Enabling digital communities
OPTUS EXECUTIVE
Optus

10:15 Plenary Panel: Technology for the people - utilising technology to enhance the experience of people in the city

- How can you ensure that improving liveability and workability is at the core of any investment decisions a city makes?
- Which technologies, sensors, networks or platforms are at the forefront of driving positive changes in cities?
- How can these innovative technologies be embraced to enhance the lives of peoples?

Panel moderator:
 **MICHELLE FITZGERALD**
Chief Digital Officer
City of Melbourne

Panelists:
 **JUSTIN ANDERSON**
Director
Hypercat
 **KATE DEACON**
Executive Manager - Research, Strategy and Corporate Planning
City of Sydney

 **CARLO RATTI**
Director
SENSEable City Lab, MIT
 **MATTHEW SCHULTZ**
Chief Digital Officer
Ipswich City Council

11:00 NETWORKING BREAK AND SHOWCASE VIEWING

RESILIENCE, SUSTAINABILITY & AGILITY

11:30 Creating the future proof city experience

Greater Springfield is a previous recipient of the FIABCI Prix D'Excellence award for World's Best Masterplanned City, and is truly unique in Australia.


- The role of digital technology in underpinning Greater Springfield and how this has been 'future proofed'
- IDEA City - creating a city precinct to engage and encourage innovation, design, entrepreneurship, and art
- Using the design of the city to enhance the lives of its people

 **MAHA SINNATHAMBY**
Chairman
Springfield Land Corporation

11:55 How a smarter grid can drive sustainability and innovation

Ian McLeod spent almost a decade at the helm of one of Australia's most innovative utilities - Ergon Energy, and since leaving has been involved in transformative start-ups in Australia and the USA.

- The new energy technologies best placed to help power the city of the future - smarter metering, batteries, demand management, tri-generation
- How energy infrastructure can help drive innovation
- What are the blue sky possibilities for more sustainable energy use in cities?

 **IAN MCLEOD**
Former Chief Executive Officer Ergon Energy & Adviser to Innovative Energy Start-ups Smart Wires and Bidgley

12:20 Panel Discussion: Using open data and tools for democratic engagement to reshape our cities

- How can cities develop and implement a successful 'open data' policy that will drive real engagement?
- How can cities better enable interoperability of services to reduce costs and take advantage of exciting solutions and services from all parts of the globe?
- Examining some leading examples of innovation

Panel moderator:

 **CATHERINE CARUANA-MCMANUS**
Director
Giant Ideas

 **TOM KUAN**
Director
AURIN

Panelists:

 **JOHN GALVIN**
Convenor, Open and Agile Smart Cities
Enterprise Information Architect Open Data
City of Gold Coast

 **PASCAL PEREZ**
Director
SMART Infrastructure Facility

13:00 LUNCH AND SHOWCASE VIEWING

14:30 - 15:45 BREAKOUT SESSIONS

Attendees will have the option of attending 1 of 5 concurrent sessions


The Fast Sprints and roundtables that form part of the Breakout Session are interactively moderate group discussions where pre-determined groups of delegates get the change to address, debate and discover common issues, challenges and solutions.

FAST SPRINT 1 Resilience

Ensuring the future by building the resilient city **OPTUS**

 **TOBY KENT**
Chief Resilience Officer
City of Melbourne

FAST SPRINT 2 Energy & Sustainability

Peopled Powered Cities
 **IAN MCLEOD**
Former Chief Executive Officer Ergon Energy & Adviser to Innovative Energy Start-ups Smart Wires & Bidgley

FAST SPRINT 3 Transport & Mobility

Unlocking the Grid
 **ROGER ROONEY**
Senior Project Manager - Smart Parking & CBRfree Wi-Fi
ACT Government

FAST SPRINT 4 Built Environment & Design
Unlocking the economic and social potential of cities through smart design **HASSELL**

 **ANDREW LOW**
Principal
Hassell

 **ADAM SCOTT**
Founder and Creative Director
Freestate UK

Roundtables

5 x 15 min rotations
1. Addressing climate change in the city through inclusion and innovation
Moderator: **ADAM BECK**
Executive Director
Smart Cities Council
Australia New Zealand
2. What role does the advancement of technology and IoT have to play in delivering public spaces in smart cities?
3. Financing models for smart cities
4. How the increasing intelligence and automation of buildings will play a key role in the smart cities of the future
5. Connected vehicles in smart cities 2.0
TOMTOM MAPS

15:45 NETWORKING BREAK AND SHOWCASE VIEWING

16:30 Panel discussion: Smart financing for a smart city - how can cities overcome the raft of challenges in financing their projects?

- Why is financing such a big challenge and what are the innovative models that cities in Australia and globally are using to fund their projects?
- Can more subscription based services for public goods help fund new and innovative projects? And what would be the challenges to this 'city-as-a-service' approach?
- How can cities better target and utilise value capture to fund projects?

Panel moderator:

 **CATHERINE CARUANA-MCMANUS**
Director
Giant Ideas

 **ALOK PATEL**
Founder
Azende

Panelists:

 **JOHN GALVIN**
Convenor
Open and Agile Smart Cities
Enterprise Information Architect - Open Data
City of Gold Coast

 **SEBASTIAN ECKERSLEY-MASLIN**
Founder
Blue Chilli

17:00 Closing Keynote Smart Cities - Innovation through collaboration - using sensors and actuators to connect things in the real world to things in the virtual world

 **JUSTIN ANDERSON**
Director
Hypercat


17:30 Closing remarks from the chair

17:40 End of Day one and networking drinks

AGENDA DAY 2 THURSDAY 23 MARCH 2017

08:30 Welcome coffee

08:50 Opening remarks from the chair

 **GEOFF ROBERTS**Deputy Chief Commissioner and Economic Commissioner
Greater Sydney Commission**DESIGN & COLLABORATION - ENHANCING CIVIC ENGAGEMENT**09:00 **Designing the ideal future user experience as the foundation for designing the ideal future city**

Adam is an architect, designer and the creative force behind FreeState, the award winning experience design agency responsible for storyboarding some of the world's greatest brands.

- How careful design of the urban landscape can enhance civic engagement
- Identifying some of the less often thought of 'tools' cities can use to enhance the experience of their citizens

 **ADAM SCOTT**Founder and Creative Director
FreeState UK09:30 **A blurred smart city future**

- Four disruptive smart cities predictions that will change the way you think
- The role of the 4th industrial revolution (IoT) in transforming cities
- Artificial Intelligence and citizens
- How smart cities will 'conspire' to make life better

 **RENATO DE CASTRO**Executive Director
Baumann Consulting Group09:50 **Designing great cities with a commitment to achieving liveability, sustainability and productivity**

- Examining some of the major infrastructure projects that will transform greater Sydney
- How liveability, sustainability and productivity are being integrated into planning decisions to create a more engaging city environment
- Engaging citizens in the planning process

 **GEOFF ROBERTS**Deputy Chief Commissioner and Economic Commissioner
Greater Sydney Commission10:10 **Panel Discussion: Mobility in the future city - what opportunities are there to revolutionise the way in which citizens are 'mobile' in the future city, and what bigger opportunities does this create?**

- There is a huge array of potential future scenarios surrounding how people will be 'mobile' in cities. What are some of the most likely?
- What opportunities are there to positively influence this future?
- What are the implications of these likely scenarios for the way in which cities need to be planned today in order to enhance civic engagement and mobility tomorrow?

Panel Moderator:

 **GEOFF ROBERTS**Deputy Chief Commissioner and Economic Commissioner
Greater Sydney Commission

Panellists:

 **HEATH WALKER**Senior Marketing and Communications Manager
Tesla Motors Australia **RACHEL SMITH**Founder
City Planning for Modern Lifestyle & Innovative Cycling Advocate **MATT O'CALLAGHAN**Founder
VicHyper **NICK CLEARY**Chairman
Consolidated Land and Rail Australia **DAVID ROHRSCHEIM**General Manager ANZ
Uber10:55 **NETWORKING BREAK & SHOWCASE VIEWING****STIMULATING INNOVATION**11:30 **Global lessons for local cities - how are some of the world's leading cities fostering innovation?**

Brook was the recent recipient of the Churchill Fellowship, which gave him the incredible opportunity to travel throughout Asia, Europe and the Americas visiting, learning from and working with some of the world's leading cities.

- Understanding your citizens
- Creating different business models for different smart projects
- The role of city design, co-working spaces, accelerators and technology infrastructure in enabling 'start-up communities'
- Why leadership is so critical

 **BROOK DIXON**Smart City, Smart Regulation Executive
ACT Government11:55 **CITY LAB**

City lab is an inspiring series of short talks from urban innovators

 **CLINT VAN MARREWIK**Chief Executive Officer
Thundermaps **JACOB LINDSAY**Co-Founder and Advisory Board Member
Creative Suburbs **JITENDRA TOMAR**Founder
LocalVolts12:15 **Panel Discussion: Empowering the innovators - how can cities create the framework necessary for innovation?**

- How can the built environment and city design help foster innovation by creating more collaborative opportunities for their people?
- What do innovators and start-ups look for in a city?
- What does it take to create an ecosystem of innovators?

Panel Moderator:

 **GEOFF ROBERTS**Deputy Chief Commissioner and Economic Commissioner
Greater Sydney Commission Design & Collaboration - Enhancing **GEORGIA BEATTIE**Chief Executive Officer
Startup Victoria **JACOB LINDSAY**Co-Founder & Advisory Board Member
Creative Suburbs **MARTINE LETTS**Chief Executive Officer
Committee for Melbourne **SANDY BURGOYNE**Director
Future Cities Collaborative13:00 **LUNCH AND SHOWCASE VIEWING**14:30 **BREAKOUT SESSIONS**

Attendees will have the option of attending 1 of 5 concurrent sessions

The Fast Sprints and roundtables that form part of the Breakout Session are interactive moderate group discussions where pre-determined groups of delegates get the change to address, debate and discover common issues, challenges and solutions.

FAST SPRINT 5 Resilience

From brain drain to brain gain

 **MARTINE LETTS**Chief Executive Officer
Committee for Melbourne**FAST SPRINT 6 Energy & Sustainability**

How innovation in energy will drive sustainable cities

 **STEPHEN ALEXANDER**

Thought Leader and Consultant

FAST SPRINT 7 Transport & Mobility

Why new technologies need to be considered in how we move around cities of the future

 **JAMYNE HARRISON**Strategic Adviser, Smart Cities
Committee for Sydney**Fast Sprint 8 Built Environment & Design**

Place making and innovation

 **ED BLAKELY**Founder and Chair
Future Cities Collaborative and Commissioner,
Greater Sydney Commission

Roundtables

4 x 15 min rotations

- Solving the existing and future cybersecurity problems of smart cities
- Integrating data into a broader citywide data plan to solve priority problems and produce responsive services
- What is Human Centred Design as it applies to cities?
- Designing new public services with open data policies

Moderator:

JACK BARTONSenior Research Associate
Urban Data
5. Addressing climate change in the city through inclusion and innovation15:45 **NETWORKING BREAK AND SHOWCASE VIEWING****CITY 2020**16:20 **Closing Panel: What does the city of the future look like - and how do we get there?**

- How will people interact with technology in the City of the Future
- What will be the impact of big data
- What will transportation look like?
- How does education need to evolve?
- What role will community & business play?
- How will sustainability and going green be represented?

Panel Moderator

 **GEOFF ROBERTS**Deputy Chief Commissioner & Economic Commissioner
Greater Sydney Commission

Panellists

 **ED BLAKELY**Founder and Chair
Future Cities Collaborative and Commissioner
Greater Sydney Commission **JAMYNE HARRISON**Strategic Adviser, Smart Cities
Committee for Sydney **KATE LYNCH**Secretary Cities
Department of Prime Minister and Cabinet

17:00 End of conference

17:30 Drinks and pitching competition in co-working space/accelerator



OUR SPEAKERS



ARRON WOOD
Deputy Lord Mayor
City of Melbourne



CARLO RATTI
Director
SENSEable City Lab, MIT



JUSTIN ANDERSON
Director
Hypercat



ADAM SCOTT
Founder and Creative
Director
FreeState UK



MAHA SINNATHAMBY
Chairman
Springfield Land Corporation



KATE DEACON
Executive Manager - Research,
Strategy and Corporate
Planning
City of Sydney



MICHELLE FITZGERALD
Chief Digital Officer
City of Melbourne



TOBY KENT
Chief Resilience Officer
City of Melbourne



GEOFF ROBERTS
Deputy Chief Commissioner
and Economic Commissioner
Greater Sydney Commission



NICK CLEARY
Chairman
Consolidated Land and Rail
Australia (CLARA)



RACHEL SMITH
Founder
City Planning for Modern
Lifestyle and Innovative
Cycling Advocate



DAVID ROHRSHIM
General Manager ANZ
Uber



JAMYE HARRISON
Strategic Adviser, Smart
Cities
Committee for Sydney



BROOK DIXON
Smart City, Smart
Regulation Executive
ACT Government



JACOB LINDSAY
Co-Founder and Advisory
Board Member
Creative Suburbs



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Chief Executive Officer
Committee for Melbourne



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City of Gold Coast



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Senior Project
Manager - Smart Parking &
CBRfree Wi-Fi
ACT Government



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Director
SMART Infrastructure
Facility



ANDREW LOW
Principal
Hassell



CATHERINE CARUANA-McMANUS
Director
Giant Ideas



JITENDRA TOMAR
Founder
LocalVolts



ALOK PATEL
Founder
Azconde



TOM KVAN
Director
AURIN



SANDY BURGOWNE
Director
Future Cities Collaborative



ED BLAKELY
Founder and Chair
Future Cities Collaborative and
Commissioner
Greater Sydney Commission



KATE LYNCH
Secretary Cities
Department of Prime Minister
and Cabinet



RENATO DE CASTRO
Executive Director
Baumann Consulting
Network

“As Australia prepares for higher levels of urbanisation, seeks new ways to use resources more efficiently and deliver better services to citizens, collaboration to develop new solutions is essential. The Cities 4.0 Summit has a great agenda to bring together thought leaders to further their insights and ideas.”

Justin Anderson, Director, Hypercat

Cybersecurity for Smart Cities ➡ Tuesday 21 March 2017



Supported by



08:15	Arrival & Morning Breakfast
	MORNING PLENARY SESSION
09:00	Keynote: Transforming Australia's future smart cities
09:30	Securing Smart Cities - how to make smart cities cyber-safe
10:00	Panel discussion: Why smart cities will require intelligent security
10:45	Networking break
11:15	All the ways to hack a smart city
11:45	IoT cyber security best practices to create the safest cities in the world
12:15	Networking lunch

13:20 - 15:20 WORKSHOPS - 3 STREAMS FOCUSED ON ASPECTS OF
SMART CITIES & SECURITY IMPLICATIONS

Workshop 1: NETWORK SECURITY Security for LPWA - LoRA, SigFOX, NB-IoT	Workshop 2: CONNECTED TRANSPORT SECURITY	Workshop 3: DATA SECURITY & PRIVACY
15:20	Networking break & mingle with sponsors	
16:00	Closing Keynote: Smart Cities - why collaboration is key to realising technology's promise	



PARTNER WITH US

The Cities 4.0 Summit brings together city leaders, business leaders, designers, entrepreneurs and innovators from around the world to find ways to make cities better. If you have technology or solutions that can make cities better, then you need to join in.

Become a partner and you will have the opportunity to:

- Engage with the largest number of senior-level smart city executives in Australia
- Influence city strategies and create new opportunities for your organisation
- Be part of real world discussions shaping the smart city landscape
- Showcase your capabilities and expertise, and position your company as a partner of choice



Contact John Pozoglou

to find out how you can get involved

✉ johnp@questevents.com.au or

☎ +61 (0)2 8188 7502 ☎ +61 (0)403 183 777

🌐 www.cities4pointzero.com.au

BOOK BEFORE 10 FEBRUARY AND SAVE \$200!



ATTEND THE CITIES 4.0 SUMMIT

	BOOK AND PAY BEFORE 10 FEBRUARY	BOOK AND PAY AFTER 10 FEBRUARY
2 Day Conference Ticket (22 – 23 March)	\$1695 incl GST Save \$200	\$1895 incl GST
3 Day Conference Ticket (21 – 23 March)	\$1895 incl GST Save \$200	\$2095 incl GST
Cybersecurity Day Ticket Only (21 March)	\$195 incl GST	\$195 incl GST

Bring your team! Group discounts of up to 25% apply*

3-6 delegates (15%) – 7-10 delegates (20%) – 11+ delegates (25%)

Are you a member? Members of our supporting partners receive 10% off – quote promo code ASSN at the time of registration

*Group discounts apply for bookings made simultaneously and on one invoice only. (Note. Only 1 discount may be applied, whichever provides the greatest savings)

Go to www.cities4pointzero.com.au or call the booking hotline on
☎ +61 (0)2 9977 0565 and book your tickets today!

