

23 JUNE 2017

LATE ITEM

**Ordinary Meeting of Council Meeting No. 5/17
TUESDAY 27 JUNE 2017**

**Council Chambers, Level 1A
1 Pope Street, Ryde - 7.00pm**

English

If you do not understand this letter, please come to the 1 Pope Street, Ryde (within Top Ryde Shopping Centre), Ryde, to discuss it with Council Staff who will arrange an interpreter service. Or you may ring the Translating & Interpreting Service on 131 450 to ask an interpreter to contact you. Council's phone number is 9952 8222. Council office hours are 8:30am to 5:00pm, Monday to Friday.

Arabic

إذا لم تفهم محتوى هذه الرسالة، يرجى الحضور إلى 1 Pope Street، Ryde (في Top Ryde Shopping Centre)، Ryde، لمناقشتها مع موظفي المجلس الذين سوف يرتبون للاستعانة بمترجم شفهي. أو قد يمكنك الاتصال بخدمة الترجمة التحريرية والشفهية على الرقم 131 450 لتتطلب من المترجم الاتصال بك. رقم هاتف المجلس هو 9952 8222. ساعات عمل المجلس هي 8:30 صباحاً حتى 5:00 مساءً، من الاثنين إلى الجمعة.

Armenian

Եթե դուք չեք հասկանում սույն նամակի բովանդակությունը, խնդրում ենք այցելել 1 Pope Street, Ryde (որը գտնվում է Top Ryde Shopping Centre-ի մեջ), Ryde, քննարկելու այն Քաղաքային Խորհրդի անձնակազմի հետ, ովքեր ձեզ համար կապահովեն թարգմանչական ծառայություն: Կամ կարող եք զանգահարել Թարգմանչական Ծառայություն 131 450 հեռախոսահամարով և խնդրել, որ թարգմանիչը ձեզ զանգահարի: Խորհրդի հեռախոսահամարն է 9952 8222: Խորհրդի աշխատանքային ժամերն են առավոտյան ժամը 8:30-ից մինչև երեկոյան ժամը 5:00, երկուշաբթիից մինչև ուրբաթ:

Chinese

如果你不明白这封信的内容，敬请前往1 Pope Street, Ryde（位于Top Ryde Shopping Centre内），向市政府工作人员咨询，他们会为您安排口译服务。此外，您也可以拨打131 450联络翻译和口译服务，要求口译员与您联系。市政府电话号码为9952 8222。市政府办公时间为周一至周五上午8:30至下午5:00。

Farsi

لطفاً اگر نمی توانید مندرجات این نامه را درک کنید، به نشانی 1 Pope Street، Ryde (در Top Ryde Shopping Centre) مراجعه کنید تا با استفاده از یک مترجم در این باره با یکی از کارکنان شورای شهر گفتگو کنید. یا آنکه می توانید با خدمات ترجمه کتبی و شفاهی به شماره 131 450 تماس گرفته و بخواهید که به یک مترجم ارتباط داده شوید. شماره تماس شورای شهر 9952 8222 و ساعات کاری آن از 8:30 صبح تا 5:00 بعد از ظهر روزهای دوشنبه تا جمعه است.

Italian

Se avete difficoltà a comprendere questa lettera, venite in 1 Pope Street, Ryde (dentro al Top Ryde Shopping Centre), Ryde, per discutere con il personale del Comune che organizzerà un servizio di interpretariato. Potete anche contattare il Servizio di Traduzione e Interpretariato al 131 450 per chiedere a un interprete di contattarvi. Il numero di telefono del Comune è il 9952 8222. Gli orari di ufficio del Comune sono dalle 8.30 alle 17 dal lunedì al venerdì.

Korean

이 서신을 이해할 수 없을 경우, 1 Pope Street, Ryde (Top Ryde Shopping Centre 내)에 오셔서 통역사 서비스를 주선할 시의회 직원과 논의하십시오. 혹은 통번역서비스에 131 450으로 전화하셔서 통역사가 여러분에게 연락하도록 요청하십시오. 시의회의 전화번호는 9952 8222입니다. 시의회 사무실 업무시간은 월요일에서 금요일, 오전 8시 30분에서 오후 5시까지입니다.

Meeting Date: Tuesday 27 June 2017
Location: Council Chambers, Level 1A, 1 Pope Street, Ryde
Time: 7.00pm

NOTICE OF BUSINESS

Council Meetings will be recorded on audio tape for minute-taking purposes as authorised by the Local Government Act 1993. Council Meetings will also be webcast.

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LATE PRECIS OF CORRESPONDENCE

2 MACQUARIE UNIVERSITY - COMMONWEALTH GOVERNMENT SMART CITIES AND SUBURBS PROGRAM

Report prepared by: Executive Assistant - Director Corporate and Organisational Support Services

File No.: CSG/17/1/6/1 - BP17/682

CORRESPONDENCE:

Submitting correspondence from Macquarie University dated 22 June 2017, regarding Smart Cities and Suburbs Program.

The Commonwealth Government announced in March 2017 a \$50 million 'Smart Cities and Suburbs Program'. The purpose of the Program is to provide support funding to deliver projects that apply innovative technology-based solutions to urban challenges. The Program encourages local government and eligible organisations to apply for Smart City project funding.

The City of Ryde, as a member of the Macquarie Park Innovation District, has been working closely with Macquarie University to develop a joint grant application under the Smart City and Suburbs Program. Macquarie University has taken the lead in preparing this submission as it has significant experience in developing grant proposals to access Commonwealth government funding.

In the Four Year Delivery Plan (2016-2020), Council highlights its commitment to making Macquarie Park a smart and connected precinct. The Plan identifies a number of projects to be delivered that support innovation, smart technologies and data sharing. To this end, Council became a member of the Macquarie Park Innovation District (MPID) in September 2016. To further understand the community's needs, Council undertook a 'Think Tank workshop' with key stakeholders regarding smart technologies hosted by Optus, related to the works proposed for Shrimptons Creek Corridor.

Council has committed in the Four Year Delivery Plan, the following projects to be funded by the Macquarie Park Special Levy:

2017-18 - \$50,000 to develop the smart technologies strategy

2018-19 - \$100,000 to deliver free public WiFi in the Shrimptons Creek Corridor

2019-20 - \$100,000 to deliver free public WiFi in the proposed Waterloo (Central) Park

PRECIS OF CORRESPONDENCE 2 (continued)

Council received the attached correspondence on 22 June 2017 from Macquarie University's, Deputy Vice Chancellor, David Wilkinson. The letter confirmed the University's commitment to match Council's \$250,000 funding for Smart Cities and invited Council's 'in principle' support for the grant submission being finalised by Macquarie University. Should the grant submission be successful, Council's \$250,000 funding within the Delivery Plan will be leveraged; delivering \$1m funding for Smart City's initiatives, within the City of Ryde, broken down as follows;

City of Ryde	\$0.25m
Macquarie University	\$0.25m
Commonwealth Government	\$0.50m
Potential budget available	\$1.0m

It should be noted that Council's funds are already included in the Four Year Delivery Plan 2017-21. Therefore, no additional funds will be required from Council if it supports the joint application. However, it may be necessary to bring forward Council's 2019/2020 allocation to 2018/2019.

The key deliverables envisaged through this Smart Cities initiative include:

- Public (free) WiFi will be delivered in Shrimptons Creek Corridor (Elouera Reserve, Quandong Reserve, Wilga Park)
- Installation of infrastructure to facilitate a precinct scale 'Internet of Things' that will increase capacity and opportunity for data sharing and analysis, that include the following;
 - Through the use of sensors, information can be collected and shared (for example traffic information, water and air quality, pedestrian movements etc)
 - Such technology can be utilized in monitoring and managing its assets – buildings, waste collection, watering of sporting fields etc.
 - Develop a single access platform, that will enable real time data sharing
 - Deliver events (hackathons) to address real problems and identify opportunities in assisting the resolve issues such as,
 - rail shutdown
 - traffic congestion
 - Internet of Things – hackathon to explore ways to maximise this technology

It is noted that should the grant submission not be successful, Council can still deliver its commitment to deliver free WiFi in the public spaces surrounding the Shrimptons Creek Corridor in Macquarie Park. Council would also explore the establishment of the Internet Of Things network to share data, however the roll out would be delayed and subject to funding.

PRECIS OF CORRESPONDENCE 2 (continued)**RECOMMENDATION:**

- (a) That Council provide in principle support for the Acting General Manager to lodge a government application with Macquarie University for a Commonwealth Government up to \$500,000 under the Smart Cities and Suburbs Program Round 1 noting both Council's and Macquarie University would contribute each \$250,000.
- (b) That Council note that a further report will be provided to Council on the result of this grant application and address any adjustment required in its 2017/2021 Delivery Plan.

ATTACHMENTS

- 1 Letter from Macquarie University to City of Ryde on Smart Cities and Suburbs Funding Opportunity 22 June 2017
- 2 City of Ryde - A Smart City

Report Prepared By:

Lorraine Abboud-Safi**Executive Assistant - Director Corporate and Organisational Support Services**

Report Approved By:

Roy Newsome**Acting Director - Corporate and Organisational Support Services**

PRECIS OF CORRESPONDENCE 2 (continued)

ATTACHMENT 1

DEPUTY VICE-CHANCELLOR
CORPORATE ENGAGEMENT AND ADVANCEMENT

Macquarie University
NSW 2109 Australia
T: +61 (2) 9850 7454
E: david.wilkinson@mq.edu.au
mq.edu.au
ABN 95 952 801 237
CRICOS Provider No 00002J



22 June 2017

Mr George Dedes
Acting General Manager
Ryde City Council
Binary Building
3 Richardson Place
NORTH RYDE NSW 2113

Via email c/o: jbrown@ryde.nsw.gov.au

Dear Mr Dedes

Smart Cities Project Endorsement

I am writing to formally seek Ryde Council's endorsement of our collaboration proposal in response to the Commonwealth's Smart Cities and Suburbs Program Round 1 call for submissions. The program supports the Commonwealth Government's commitment to help local government and communities to deliver smart technology to connect its communities and access public data.

The University is currently finalising its submission with input from strategic partners including, Ryde Council, Connect Macquarie Park and the Macquarie Park Innovation District partners (MPID); submissions close 30 June 2017.

Due to the complexity of the submission process, the submission is still being finalised; I apologise for this delay. The proposal will leverage existing strategic commitments that fit within the program criteria, and complement Council's vision to be an exemplar of smart and connected innovation.

In partnership with Ryde Council, Macquarie University proposes requesting Commonwealth funding that will deliver new capacity for connection and innovation that will support a liveable, connected, prosperous and inclusive city.

The University understands that City of Ryde in the Four Year Community Strategic Plan (2016-2020) has committed \$250,000 to deliver public (free) WiFi and smart technologies within Macquarie Park. If successful, this grant proposal will leverage Council's existing commitment, with the University matching this financial commitment, and in turn the Commonwealth Government matching this combined financial commitment. In short, Council's \$250,000 will be leveraged to deliver \$1million in projects in the City of Ryde.

An Internet of Things (IoT) capacity will facilitate integration of datasets from partners, and increase monitoring capacity that supports Council's four-year delivery plan for smart and connected capacity in Macquarie Park, and which will facilitate application of this new

PRECIS OF CORRESPONDENCE 2 (continued)

ATTACHMENT 1

DEPUTY VICE-CHANCELLOR
CORPORATE ENGAGEMENT AND ADVANCEMENT

Macquarie University
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information and capacity to specific issues around transport, productivity, inclusion and innovation.

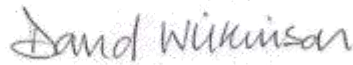
Funding will also be sought for solution creation events and hackathons, addressing issues such as the 2018 rail shutdown, and enhancing design thinking skills of start ups, businesses and community members.

We are currently assembling commitments and letters of support from MPID partners and key stakeholders, and finalising the formal application, which will be forwarded as soon as it is available.

Council's support, in the form of either a letter of endorsement from the Mayor or General Manager, or an approved Council Minute is a condition of eligibility for this funding application. The anticipated outcome, if successful, would at least double and hopefully quadruple Council's existing commitment, provide a pilot project that would facilitate timely extension across the wider Council area and demonstrate practical solutions applicable to other areas in the future.

I am happy to have University staff brief you and other Council officers and Councillors as required. I look forward to Council's support and continued leadership in this significant initiative.

Yours sincerely

A handwritten signature in black ink that reads "David Wilkinson".

Professor David Wilkinson BSc(H) MBBS MSc
MD PhD DSc MFPHM (UK) FACRRM FAFPHM FRCP (London)
Deputy Vice-Chancellor (Corporate Engagement and Advancement)

PRECIS OF CORRESPONDENCE 2 (continued)

ATTACHMENT 2

CITY OF RYDE – A SMART CITY

Smart Cities and Suburbs Funding Opportunity
*Realising the Potential of the Macquarie Park Innovation District
through Smart Technology*

In 2013, Macquarie Park surpassed North Sydney as the second largest office market in Sydney, after the Sydney CBD.¹ Within the Macquarie Park Innovation District (MPID), City of Ryde now hosts some of Australia's most recognised companies (including Optus, Cochlear, Johnson & Johnson, Abbott, and Konica Minolta), as well as the largest shopping centre in NSW (Macquarie Shopping Centre), and Macquarie University's state-of-the-art Hospital. With the Macquarie Park office workforce alone poised to grow by 2.9% annually, the next ten years is expected to see well over 55 000 office staff working in the Park each day,² along with over 45 000 students and staff from Macquarie University, and visitors to Macquarie Shopping Centre.

City of Ryde – A Smart City

Macquarie Park currently contributes over \$9 billion to the Australian economy annually.³ In recent years however, the transportation and congestion challenges associated with this strong economic growth have been identified by Macquarie Park residents, businesses, educational institutions and government as key inhibitors of the future economic growth and liveability of the MPID.⁴

In its *Economic Development Plan 2015-2019*, City of Ryde identified several key risks in its Macquarie Park SWOT Analysis, including:

- increasing pressure of traffic congestion
- perceptions of Macquarie Park as a sterile place to work; and,
- low-levels of collaboration between key organisations within Macquarie Park.⁵

The proposed deployment of Smart Cities and Suburbs Funding in the MPID will establish sustainable open data platforms and data analysis capabilities. It will also enable community collaboration hubs and events necessary to equip the City of Ryde to implement community-driven, evidence-based solutions, to these community-identified issues.

¹ BIS Shrapnel Business Research and Forecasting, *Strategic Employment Review: Macquarie Park* (NSW Department of Planning and Environment, December 2015) 1.

² Ibid 31.

³ ARUP, *The State of Transport in Macquarie Park* (31 August 2015) 2-3.

⁴ See, eg, BIS Shrapnel Business Research and Forecasting, above n 1; NSW Department of Planning, 'Herring Road, Macquarie Park Finalisation Report' (May 2015) 4 <<http://www.planning.nsw.gov.au/>>.

⁵ City of Ryde, *Economic Development Plan 2015-2019* <<http://www.ryde.nsw.gov.au>> 8.

PRECIS OF CORRESPONDENCE 2 (continued)

ATTACHMENT 2

1. Community-Identified Issue: Increasing pressures of traffic congestion⁶

Over the past ten years, Macquarie Park has come to comprise a central element of Australia's Global Economic Corridor,⁷ resulting in a range of urban planning challenges including transportation management, air quality, and sustainability.⁸ A key inhibitor to future growth and liveability of Macquarie Park has been identified by both the business and residential communities as inefficiencies in both public and private transportation. With the Epping to Chatswood line set for temporary closure in September 2018, local businesses, Macquarie University, Macquarie Park residents, and City of Ryde have all voiced concern over the impact of the closure on the accessibility, productivity, and liveability of Macquarie Park.

Installation of the Smart Cities-funded infrastructure has the capacity to offer significant improvements in transportation efficiencies around the MPID, enhancing the attractiveness of the Park as a place of business, improving revenues and profitability for existing enterprise, and addressing community concerns over the impact of the upcoming train line closure.

The Internet of Things (IoT) using sensors and a data research network will enable IoT technologies to enable residents, businesses, and City of Ryde to receive and disseminate real-time data on local issues, thus enhancing community engagement with business, education and government in the local area. Installation of smart IoT infrastructure across the MPID has the potential to make City of Ryde an innovative, living example of smart city best practice. By contributing funds to install these smart technologies and supporting initiatives, City of Ryde will enhance the amenity of local residents, students, entrepreneurs, start-ups and industry that engage in the local government area.

MPID (in partnership with City of Ryde) will leverage the IoT to monitor and analyse vehicle and pedestrian traffic flows and will enable Ryde Council to adjust transport planning in real-time to meet changing demands.

In addition, the establishment of a network of collision zones across the MPID will provide much-needed hubs for incubating innovative, community-driven solutions for local issues, such as the impending temporary closure of the Epping to Chatswood Train Line.

2. Community-Identified Issue: Perceptions of Macquarie Park as a boring place to work⁹

In a 2017 survey conducted by the NSW Government Department of Planning and Environment identified that 49 per cent of the Macquarie Park community responded that making Macquarie Park a more 'vibrant and innovative place to work, invest, live and visit', and improving public transport connectivity is a critical

⁶ Ibid 8.

⁷ Department of Planning and the Environment, NSW Government, *A Plan for Growing Sydney* (December 2014) 6.

⁸ See, eg, BIS Shrapnel Business Research and Forecasting, above n 1.

⁹ City of Ryde, above n 5, 8.

PRECIS OF CORRESPONDENCE 2 (continued)

ATTACHMENT 2

element in enhancing the liveability of the Park.¹⁰ By supporting the MPID to become one of the first IoT connected innovation hubs in Australia, City of Ryde will be partnering with local industry, educational institutions, and residents, to advance the aspirations of the Macquarie Park community to be an innovative precinct within the Australian urban landscape.

3. Community-Identified Issue: low-levels of collaboration between key organisations within Macquarie Park¹¹

The driving mission of the MPID is collaboration; a partnership of government, industry, and education and research institutions in Macquarie Park, to create Australia's premier innovation precinct. Since its inception, the MPID has pursued its vision of collaboration, creation, connection, and community.

These collaborations – between government, industry, education, and community – demonstrate the extraordinary potential of the MPID to improve levels of collaboration between key organisations and stakeholders in Macquarie Park. These collaborations can transform City of Ryde into a Smart City – ready to harness the extraordinary potential of the IoT for enhanced economic growth, service delivery, sustainability, efficiency, and liveability in Macquarie Park.

To complement the establishment of an IoT network, City of Ryde will further assist the sharing of data by the provision of public (free) WiFi in public spaces. Initially this infrastructure will be rolled out in the Macquarie Park Corridor along the public spaces surrounding Shrimptons Creek; later across the City.

The project will:

- develop a single open access platform, that will enable real time data to be made available to the community on issues such as transport and traffic congestion
- install the infrastructure to facilitate a precinct scale Internet of Things that dramatically increases capacity and opportunity for monitoring of a wide range of conditions
- specifically install capacity to monitor and respond to community (residential, commercial and industrial) priorities in addressing transport challenges;
- combine existing transport and logistics data sets from a range of sources including Connect, Macquarie University, and Ryde Council. Macquarie University will manage that data on behalf of the City of Ryde in ways that create no restrictions on local government or public use of the data and which encourage and facilitate augmentation and integration through widening partnerships and collaborations over time.
- co-ordinate collaboration and support innovation to apply this installed capacity to address specific problems to improve precinct performance
- development of a centralised mobile app. for the precinct, promoting collaboration amongst the business and local community

¹⁰ Department of Planning and Environment, NSW Government, *Macquarie Park: Destination Innovation Event Poll Results* (28 February 2017) 2 <<http://www.planning.nsw.gov.au>>.

¹¹ City of Ryde, above n 5, 8.

PRECIS OF CORRESPONDENCE 2 (continued)

ATTACHMENT 2

- support the installation of a public (free) WiFi network in public spaces surrounding The Shrimptons Creek Corridor in Macquarie Park
- solution creation events such as ideation sessions and hackathons:
 - to address the 2018 rail shutdown
 - to enhance design thinking skills of start ups, businesses and community members

To enable MPID and City of Ryde to deliver this suite of innovative projects that will bring smart technologies and open data sharing to its community, MPID seeks Commonwealth Government funding to match the \$250,000 commitment from the City of Ryde Council and the \$250,000 commitment from the University.

MPID, in collaboration with Ryde Council looks forward to working collaboratively with the Commonwealth Government to establish smart city innovation eco-systems and position Australia as a global leader in smart city solutions.