IPART
New South Wales

Independent Pricing and Regulatory Tribunal

Network Operator and Retail Supplier Licence Application Form

Water Industry Competition Act 2006

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Water — Application form
July 2011

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Contents

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1 Instructions

The *Water Industry Competition Act 2006* (the WIC Act or Act) came into operation on 8 August 2008 and, among other things, provides for the licensing of private sector water utilities.

Under the WIC Act, the Minister for Finance and Services (the Minister) is responsible for granting the following licences:

- **Network Operator's Licence** for constructing, maintaining and operating water industry infrastructure.
- **Retail Supplier's Licence** to supply water or provide sewerage services, by means of water industry infrastructure.

The Independent Pricing and Regulatory Tribunal of NSW (IPART) is responsible for receiving and assessing licence applications and for the ongoing administration and enforcement of licences.

1.1 Who should complete this form?

This form is for corporations that wish to become licensees under the WIC Act. Under section 8(1) of the WIC Act, an application for a licence can only be made by or on behalf of a corporation.

A copy of the WIC Act is available on the NSW Government's legislation website at www.legislation.nsw.gov.au.

1.2 Information on filling out and submitting this form

1.2.1 General instructions to applicants

The questions asked in the application form are designed to allow you to establish your capacity and expertise to carry out the proposed activities in compliance with your licence (if granted), the WIC Act and the Water Industry Competition (General) Regulation 2008 (the General Regulation).

Your response should include sufficient information to demonstrate an extensive understanding of the activities you are proposing to undertake, the issues or impacts associated with these activities, and the processes required to address or manage these issues or impacts. The information provided in your application should reflect the type, size, complexity and level of risk associated with the activities to be licensed.[1]

[1] For example, a recycled water scheme involving a single source, basic treatment, and single pipeline to one commercial customer will be less complex and therefore require less supporting information than a multi-source scheme, with complex treatment and a pipe network ultimately supplying a mix of commercial and residential customers.

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Following each question in the application form is an explanation (in italics) as to why we have requested the information and how it will be assessed in relation to the requirements of the WIC Act and the General Regulation. These explanations are provided as a general guide to help applicants understand the main ways in which the information sought is likely to be relevant for the assessment of their application. However, we may use the information provided for any other relevant purpose when we assess your application.

We will also have regard to the following licensing principles, in accordance with section 7 of the WIC Act:

- the protection of public health, the environment, public safety and consumers
- the encouragement of competition in the supply of water and the provision of sewerage services
- the ensuring of sustainability of water resources, and
- the promotion of production and use of recycled water.

Where more extensive information is required in response to a question (ie, example plans), the information is requested to be included as an appendix to the question. Unless indicated otherwise the appendices must be attached to the application to ensure there is sufficient information for IPART to make an assessment in accordance with the relevant legislation. An application that does not attach the necessary appendices may be considered to be an incomplete application resulting in a delay in processing. All appendices should be labelled as per the instructions.

1.2.2 Confidential information

IPART uses open public processes to consider applications and must invite submissions on applications from the public. Unless they are confidential, we treat your applications and appendices as public documents. We publish these documents on our website and distribute them to interested parties as appropriate.

Subject to our disclosure obligations (referred to below), we will treat as confidential the financial information that we request for the purposes of your application. We may share that information with our consultants, but will do so on a confidential basis.

You should let us know if you consider other aspects of your application to be confidential so that we can discuss your confidentiality concerns with you.

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You should provide separate confidential and public copies of your application. In particular, you should provide:

- **a confidential application**, which is clearly marked "confidential" and clearly identifies the confidential information that should not be publicly released, and
- **a public application,** which does not contain the confidential information, for publication and distribution by IPART.

If we agree with all your confidentiality concerns, we will only publish the public application on our website. However we will furnish a copy of the confidential application to the Ministers specified by the WIC Act and regulations, as we are required to do under section 9(1)(b) of the WIC Act.

Please note that third parties may apply under the *Government Information (Public Access) Act 2009* for access to applications, including applications that contain confidential information. If we receive such an application, we will determine disclosure in accordance with that Act.

Where an application includes personal information, IPART will deal with that information in accordance with the information protection principles set out in the *Privacy and Personal Information Protection Act 1998*.

1.2.3 Is there an application fee?

The application fee for a network operator's licence is $2,500. The application fee for a retail supplier's licence is $2,500. If you are applying for both a network operator's licence and retail supplier's licence, the fee is $5,000.

The appropriate licence application fee should be paid either by cheque made payable to the Independent Pricing and Regulatory Tribunal of NSW or by electronic transfer to:

Westpac Banking Corporation
BSB: 032-001
Account No: 205717
Reference: WICA app

If payment is made electronically, please provide a copy of the electronic transfer receipt with your licence application.

Please note that once an application has been submitted, the application fee(s) will not be refunded if the application is rejected or withdrawn.

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1.2.4 How do you submit the application?

You must submit one hard copy and one electronic copy of each of the versions (public and confidential) of the completed application form and appendices. You may wish to password protect your electronic confidential version. If so, we will contact you to request the password following submission of your application.

The electronic copy should consist of separate files for the application and the appendices for each of the sections. Where there is more than one appendix in a section, they should be combined into a single electronic file. For example, section 3 will have appendices 3.2.1 and 3.6.1 – these appendices should be combined into one electronic file. A summary of the appendices is included in attachment A to this form.

When you have completed your application, you should mark it to the attention of the Water Licensing team, and submit it to IPART in person, via email or via post:

In person	Via email	Via post
Attention: Water Licensing	Attention: Water Licensing	Attention: Water Licensing
Independent Pricing and Regulatory Tribunal	Independent Pricing and Regulatory Tribunal	Independent Pricing and Regulatory Tribunal
Level 8		PO Box Q290
1 Market Street	*compliance@ipart.nsw.gov.au*	QVB Post Office
Sydney NSW 2000		Sydney NSW 1230

1.3 If you require further information

If you have further questions about your application, you can contact the Water Licensing team in IPART by:

- emailing: compliance@ipart.nsw.gov.au, or
- telephoning: (02) 9290-8400 (general number).

We encourage you to discuss your licence application form and obtain assistance from the Water Licensing team *prior* to formally submitting your application. Once we receive your application, we will assign you a contact officer, who will manage your application and remain in contact with you throughout the process.

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1.4 Where to from here?

1.4.1 What will happen next?

IPART will check that your application form is complete and that you have supplied all the necessary information and supporting documentation.

If your application is complete, we will undertake consultation and a detailed assessment before preparing a recommendation to the Minister to either grant or refuse the licence(s).

If the application is incomplete, it will not be processed and you will be asked in writing to supply the outstanding information. This is likely to delay the detailed assessment of your application. We may also request additional information in response to submission or our detailed assessment of your application.

If you wish you can withdraw your application at any stage during the process.

IPART uses our best endeavors to process applications quickly. Complete applications are generally processed between 6 to 8 months depending on the complexity of the project.

1.4.2 Audits and ongoing compliance obligations

Licensing obligations are set out in the *Water Industry Competition Act 2006* and *Water Industry Competition (General) Regulation 2008,* which also sets out standard licence conditions.

IPART has also prepared a series of fact sheets explaining the audit and compliance obligations following the grant of a WIC Act licence.

It is particularly important to note that the granting of a network licence does not allow the licensee to bring any *new* water or sewerage infrastructure into immediate commercial operation. **A licensee must also obtain approval from the Minister before commencing commercial operation of new water or sewerage infrastructure.**

For further information, please refer to the following fact sheets or contact the Water Licensing team at IPART on the details provided above.

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Fact sheets:

- *Summary of Audit Framework*
- *Commercial operation of new infrastructure*
- *Register of licences and other publicly available information*
- *Potable water services - public health requirements*
- *Water recycling - public health requirement.*

These documents can be downloaded from the IPART website, at http://www.ipart.nsw.gov.au/water/private-sector-licensing/private-sector-licensing.asp.

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2 Contact Information

To be completed by all applicants

2.1 Contact Details

You need to nominate a primary contact person for all communication and correspondence between the corporation applying for a licence and IPART. This person must be a senior officer of the applicant corporation and not an external consultant. Ideally, this person's role within the corporation will be related to the project/activity to be licensed, and they must have the authority to speak on behalf of the applicant.

PRIMARY CONTACT	
Full name	
Joseph Scuderi	
Position title	Email address
Development Manager	joseph_scuderi@mirvac.com
Business telephone number	Mobile telephone number
02 9080 8885	0410 500 959
Postal address for correspondence	
ADDRESS	
Level 26, 60 Margaret Street	
Sydney	
STATE	POST CODE
NSW	2000
SECONDARY CONTACT	
☒ Please check if the secondary contact should be copied into all correspondence.	
Full name	
Brian Hennessy	
Position title	Email address
Divisional Engineering &Operations Manager - Northern Zone	brian_hennessy@mirvac.com
Business telephone number	Mobile telephone number
02 9080 8622	0411 134 467
Postal address for correspondence	
ADDRESS	
Level 26, 60 Margaret Street	
Sydney	
STATE	POST CODE
NSW	2000

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3 General Information

To be completed by all applicants

3.1 Applicant Details

3.1.1	Please provide the following information for the corporation applying for the licence. Please note an application may only be made by or on behalf of a corporation (s8(1)).

Your response to this question is used in ASIC, ITSA and CATSI searches conducted as part of our assessment of your application. The information will also be used to specify the corporation that holds the licence (Act s.6(1)(a)), if a licence is granted.*

** These are searches of databases kept by the Australian Securities and Investments Commission (**ASIC**), Insolvency and Trustee Service Australia (**ITSA**), and Office of the Registrar of Indigenous Corporations (for corporations registered under the Corporations (Aboriginal and Torres Strait Islander) Act 2006 (**CATSI**))*

Corporation name	
Mirvac Real Estate Pty Ltd	
ABN/ARBN	ACN
65 003 342 452	003 342 452
Corporation's registered office	
ADDRESS	
Level 26, 60 Margaret Street	
Sydney	
STATE	POST CODE
NSW	2000
Corporation's principal place of business	
ADDRESS	
As above	
STATE	POST CODE

3.1.2	Please provide the following information for the Chief Executive Officer and ALL Directors of the applicant corporation

Your response to this question is used in ASIC, ITSA and CATSI searches to determine that the named individual(s) are not disqualified individual(s) and that the applicant corporation is not a disqualified corporation (Act, s10(3)). The information will also be used to assess, among other things, the applicant corporation's organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

PERSON ONE	
Full name	Andrew Butler
Position title	Chief Executive Officer – Investments, Director Mirvac Real Estate Pty Ltd
Date of birth	Confidential

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Residential address		
CONFIDENTIAL		
STATE		POST CODE
PERSON TWO		
Full name	Chris Luscombe	
Position title	General Manager	
Date of birth	CONFIDENTIAL	
Residential address		
CONFIDENTIAL		
STATE		POST CODE

3.2 Activities for which a licence is sought

Please check ALL the applicable boxes for which you are seeking a licence		
Your response to this question will be used to specify the activities that the applicant corporation will be authorised to undertake (Act s.6(1) and s.11(1)), if a licence is granted. The response to this question is a requirement for any network operator's licence application (Reg cll.6(1)(a) and 6(2)(a)).		
3.2.1	**NETWORK OPERATOR** (to construct, maintain and operate water industry infrastructure)	
	☐ Water infrastructure - drinking water	
	☒ Water infrastructure – non potable water (including recycled water)	
	☐ Sewerage infrastructure	
3.2.2	**RETAIL SUPPLIERS** (to supply water or provide sewerage services)	
	☐ Supply of drinking water	
	☒ Supply of non-potable water	
	☐ Provision of sewerage services	
3.2.3	Have you commenced any of the activities for which you are seeking a licence?	
For example, you may have commenced construction, commercial operation and/or supply of services to customers.		
	☒ Yes please go to 3.2.4	☐ No please go to 3.2.5
3.2.4	Please briefly describe the activities that you have commenced including the date(s) on which they commenced.	
Your response to the following question will be used to determine whether transitional arrangements		

PUBLIC

apply to the project.

The following activities have commenced:

- Blackwater treatment plant room built on Level B2 and temporary services brought to the room. The blackwater treatment room was finalised in September 2011 and is currently used as a storage room during construction of the mechanical connections until construction/installation of the proposed blackwater treatment plant.
- Overflow connections to the building sewer infrastructure and a pump out pit have been built on Level B2
- Concrete storage tank to be used as balance tank have been built on level B3 was installed in July 2011.
- Hydraulic services including the network for recycled water distribution is currently under construction as the construction of the building is continuing.

3.2.5	Please outline the approximate date you anticipate commencing the activities for which you are seeking a licence, if they have not yet commenced. For example, construction of the network infrastructure July 2014, construction of the water treatment plant December 2014, operation of the water treatment plant June 2015, supply to small retail customers August 2015.

Your response to the following question will be used as background information for the project.

The following milestone dates apply to the design, construction and operation of the blackwater treatment plant at 8 Chifley Square.

Milestone	Start date	Finish date
Preliminary Design	Nov 2011	Mar 2012
WICA application	Mar 2012	August 2012
Detailed design	Feb 2012	April 2012
Construction commencement	September 2012	December 2012
Commissioning	December 2012	December 2012
Validation and verification testing	December 2012	April 2013
Finalise management plan	December 2012	February 2013
Audit of management plans	March 2013	April 2013
IPART submission for approval to operate	April 2013	May 2013
Scheme Operational	May 2013	

3.3 Insurance Details

3.3.1	What types of insurance do you have or intend to obtain particularly in relation to the activities for which you are seeking a licence? Provide details of the level (i.e. amount) of insurance you are covered or intend to be covered by for each type. Include a summary of itemised inclusions and exclusions for each type of insurance you hold. **Attach copies of all relevant insurance certificates in Appendix 3.3.1.**

Types of insurance may include but are not limited to professional indemnity insurance, public liability insurance, workers' compensation and product liability insurance.

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Your response to this question will be used to ascertain whether the applicant corporation has made appropriate arrangements with respect to insurance (Act s10(4)(c)).

Mirvac Real Estate Pty Ltd hold the following insurances:

Professional Indemnity Insurance

Public Liability Insurance

Workers' Compensation

Industrial Special Risks

Refer to Appendix 3.3.1 for copy of insurance certificates and details of level and extent of cover (Confidential version only).

3.3.2	Explain why the level of cover provided or proposed by your insurer is sufficient for the size and nature of your proposed activities

For existing (brownfield) schemes, you must provide us with a report from an independent insurance broker which holds an Australian financial services licence under Part 7.6 of the *Corporations Act 2001 (Cth)* for the provision of insurance broking services ("Insurance Expert"), that:

(a) identifies the key risks of undertaking the activities to be authorised under the licence (if granted)

(b) sets out the types and levels of insurance obtained by you in relation to the activities being undertaken

(c) certifies whether, in the Insurance Expert's opinion, the type and level of insurance obtained by you is appropriate for the size and nature of the activities to be authorised under the licence

(d) provides reasons as to why the types and levels of insurance are appropriate for the size and nature of the activities being undertaken, and

(e) if any risks arising from undertaking the activities remain uninsured, provides reasons as to why.

Your response to this question will be used to ascertain whether the applicant corporation has made appropriate arrangements with respect to insurance (Act s.10(4)(c)).

Due to the scope and nature of the applicant's business operations, the activities conducted at the 8 Chifley Square will be covered under the Mirvac Group global insurance program. The coverage provided under the global program is significantly in excess of the limited required for the size and nature of the proposed activities.

3.4 Third parties undertaking activities

3.4.1	If you intend on using third parties to undertake any **significant** activities for which you are seeking a licence (eg, construction of the reticulation network, management of the billing system) please provide their details below. If there are multiple third parties please provide the details for each party as well as an explanation of the activities it will be undertaking.

Third parties undertaking minor sub-contracting works on behalf of the applicant corporation such as electrical or plumbing contractors do not need to be named in the application. If you are unsure of whether the works are significant or otherwise please include the details above or contact IPART.

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Your response to this question will be used to determine whether any other persons should be specified on the licence (Act s.6(1)(a)), if a licence is granted. Where applicable, information from those third parties named may also be used to assess the applicant corporation's technical, organisational and financial capacity to undertake the activities for which it is seeking a licence.	
Corporation name (SUB CONTRACTOR 1)	
Mirvac Projects Pty Ltd	
ABN/ARBN	ACN
72 001 069 425	001 069 425
Corporation's registered office	
ADDRESS	
Level 26, 60 Margaret Street	
Sydney	
STATE	POST CODE
NSW	2000
Please provide a detailed description of the activities that the third party, named above, will undertake on the applicant corporation's behalf.	
Mirvac Projects Pty Ltd (ABN 72 001 069 425), a wholly owned subsidiary of the Mirvac Group has entered into a Development Agreement with Mirvac 8 Chifley Trust (owner of 8 Chifley Square project) as the Developer responsible for the overall development and delivery of the project.	
Please provide details of the contractual arrangements the applicant corporation has in place with the third party, named above, to ensure the third party undertakes the activities in accordance with the licence (if granted).	
Mirvac Projects Pty Ltd executed a Development Agreement with Mirvac 8 Chifley Trust for the development and construction activities of the project. Refer to Appendix 3.4.1 Part I in the Confidential application for details.	
Corporation name (SUB CONTRACTOR 2)	
Planet Plumbing Group Pty Ltd	
ABN/ARBN	ACN
81147975433	147 975 433
Corporation's registered office	
ADDRESS	
Level 11, 37 York St	
Sydney	
STATE	POST CODE
NSW	2000
Please provide a detailed description of the activities that the third party, named above, will undertake on the applicant corporation's behalf.	
With extensive experience in all aspects of hydraulic engineering, Planet Plumbing's expertise and solid core values make Planet Plumbing a valuable alliance partner for success. Our certified quality management system ensures the highest quality workmanship, at every stage of the process, to deliver exceptional and unsurpassed project results. While our work speaks for itself, our greatest strength comes from our ingrained culture of building solid client and supplier relationships, maintaining open lines of communication, from concept to completion and beyond. Refer to Appendix 3.4.1 Part II for a capability statement.	

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Planet Plumbing Group Pty Ltd is the hydraulic contractor for the 8 Chifley Square project and is such responsible for the construction of the recycled water distribution network. The recycled water network will be built in accordance with the hydraulic specification attached in Appendix 3.4.1 Part III.	
Please provide details of the contractual arrangements the applicant corporation has in place with the third party, named above, to ensure the third party undertakes the activities in accordance with the licence (if granted).	
Planet Plumbing Group Pty Ltd is contracted by Mirvac Projects Pty Ltd to undertake the hydraulic works at 8 Chifley Square in accordance with the hydraulic specification attached in Appendix 3.4.1 Part III.	
Corporation name (SUB-CONTRACTOR 3)	
INNACO Pty Ltd	
ABN/ARBN	ACN
33 119 715 052	119 715 052
Corporation's registered office	
ADDRESS	
Level 5, 79 Victoria Avenue	
Chatswood	
STATE	POST CODE
NSW	2067
Please provide a detailed description of the activities that the third party, named above, will undertake on the applicant corporation's behalf.	
Innaco Pty Ltd is accomplished in the provision of turn-key water treatment technologies and with the expertise and back up of a variety of technology suppliers, successful project outcomes are assured. Innaco Pty Ltd is a subsidiary of Henry & Hymas consulting engineers who have been at the forefront of infrastructure design for the past decade. Innaco has been successfully designing, constructing and operating wastewater treatment plants and recycled treatment plants since the commencement of the company in 2005. Their most current projects include the sewer mining plants at Gordon Golf Course and North Turramurra Golf Course (design, construct and operate). Please refer to Appendix 3.4.1 Part IV for a company capability statement. Innaco will be undertaking preliminary design, detailed design, all installation associated with the blackwater treatment plant (excluding distribution lines) and 5 years operation from the date of Approval to Operate for the treatment plant (refer letter of intent in confidential application Appendix 3.4.1 Part V).	
Please provide details of the contractual arrangements the applicant corporation has in place with the third party, named above, to ensure the third party undertakes the activities in accordance with the licence (if granted).	
Innaco is contracted by Planet Plumbing (who is the hydraulic contractor for 8 Chifley Square) for the design and construct of the recycled water plant. Planet Plumbing is contracted by Mirvac Projects Pty Ltd for the design and construction of all hydraulic services including the blackwater services. Mirvac Real Estate Pty Ltd will have a separate contract with Innaco for a comprehensive operation and maintenance schedule over 5 years of the recycled water plant (refer letter of intent in confidential application Appendix 3.4.1 Part V). This contract is currently being drafted and will include the operation and maintenance of the equipment in the blackwater treatment room only. All other operation and maintenance (including recycled water distribution networks, blackwater services, trade waste connections etc) will be handled by Mirvac's own operation and maintenance team.	

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3.5 Other regulatory approvals

3.5.1	Please list any other regulatory approvals that have been obtained (or are being sought) for any of the activities for which the applicant corporation is seeking a licence. Include any regulatory approvals also related to the activities or the project. Such approvals may include development consents for a housing development under the *Environmental Planning and Assessment Act 1979*, section 68 approval under the *Local Government Act 1993*, an Environment Protection Licence under the *Protection of the Environment Operations Act 1997*. **Provide a copy of any other regulatory approvals and/or licences in Appendix 3.5.1.**

Your response to this question will be used to determine whether IPART needs to co-ordinate this approvals process with other regulatory authorities. Information required in other approval processes may also be requested and used by us in determining this licence application.

Required regulatory approvals:

City of Sydney Council:

- Section 96 Modification to Development Consent. A copy has been attached in Appendix 3.5.1 Part I.
- **Section 68** of the Local Government Act 1993 (LG Act) **Approval to install** the proposed black water treatment plant. This has already been obtained and a copy is attached in Appendix 3.5.1 Part II; and
- **Section 68** of the Local Government Act 1993 (LG Act) **Approval to operate** the treatment plant. To be obtained once validation and verification has occurred.

Sydney Water:

- **Trade Waste License**: The waste from the recycled water plant will be discharged to the sewer. This will be in accordance with SWC. Obtaining a Trade Waste Consent is a conditional precedent to the project agreement with SWC for this project. This trade waste license will be finalised by Mirvac.
- **Sewer Mining Agreement:** A sewer mining agreement has been reached in principal between Mirvac and SWC allowing the black water treatment plant to extract sewage from Hunter Street sewer line located in the heart of Sydney CBD. Mirvac is currently undertaking detailed design of the offtake via a Sydney Water Coordinator. A copy of the principle approval from Sydney Water has been included in Appendix 3.5.1 Part III.

PUBLIC

3.6 Monopoly supply

3.6.1	In your opinion, will the supply of water and/ or sewage services to

	customers be a monopoly service? If yes, please specify whether the monopoly service is in relation to: ▾ a specified water supply or sewerage service, and ▾ a specified area, and ▾ a specified class of customers.
Your response to this question will be used to determine whether the Minister should consider declaring the licensee a monopoly supplier in accordance with section 51 of the WIC Act.	
Will the supply of water and/or sewage service to customers be contestable or subjected to monopoly supply?	Yes. Mirvac Real Estate Pty Ltd will be the sole supplier of non-potable water in the newly built 8 Chifley Square building. Treated water from the black water treatment plant would be used for cooling tower applications, toilet flushing and irrigation only within the building. There will be Sydney Water's mains supply present for the above mentioned functions as back-up only. Mirvac Real Estate Pty Ltd's supply of non-potable water within the building is non-contestable.
If yes, please specify heather the monopoly services in in relation to a specified water supply or sewage service, a specific area, and a specified class of customers	The black water treatment system which sources sewage via sewer mining to produce a supply of fit-for-purpose, treated, non-potable water. The area serviced is contained within 8 Chifley Square building

3.7 Licensing principles

3.7.1	How does your proposed activity address the following principles (if applicable): ▾ The protection of public health, the environment, public safety and consumers ▾ The encouragement of competition in the supply of water and the provision of sewerage services ▾ The ensuring of sustainability of water resources ▾ The promotion of production and use of recycled water?
Your response to this question will be used in consideration of the licensing principles, in accordance with section 7 of the WIC Act	
Mirvac Real Estate Pty Ltd supports and promotes the responsible use of recycled water and the application of a management approach that consistently meets the Australian Guidelines for Water Recycling (Phase 1): Managing Health and Environmental Risks (NWQMS 2006) 12 elements, as well as recycled water user and regulatory requirements including the Water Industry Competition Act 2006. Mirvac Real Estate Pty Ltd is committed to meeting the authority requirements and any other	

PUBLIC

requirement that will be outlined in a recycled water plant management plan still to be developed for the scheme. This recycled water management plan will be developed during the detailed design of the scheme and further revised during plant construction and commissioning.

Mirvac Real Estate Pty Ltd will implement and maintain its recycled water plant and management plans consistent with the requirements of the City of Sydney Development Control Plans and the Water Industry Competition Act.

Managers, employees and contractors involved in the operation and maintenance of the recycled water plant are responsible for understanding, implementing, maintaining and continuously improving the recycled water management system.

Public health

The recycled water at 8 Chifley Square is to be used for irrigation, cooling tower make up water and toilet flushing. As such, it can be classified as Dual reticulation, toilet flushing, washing machines, garden use based on Table 3.8 in the National Guideline "Australian Guidelines for Water Recycling : Managing Health and Environmental Risks (Phase 1). Water quality objectives include log reduction targets of 5.0, 5.0 and 6.5 for bacteria, protozoa and viruses respectively. E.Coli is to be at levels <1cfu/100mL.

The third party contractor (Innaco) will be contractually required to meet the above water quality for the system. This is set out in the blackwater specification (refer Appendix 3.7.1 Part I) of the project which forms part of the hydraulic contractor scope and has been passed on to the third party installer (Innaco) via Planet Plumbing. The blackwater specification contain a series of operational procedures including induction and training procedures that will be further developed after detailed design, installation and commissioning and will form the operation and maintenance plan including incident response and emergency response etc. Water quality monitoring will be undertaken as per the blackwater specification and the to be developed operation and maintenance plan and water quality plan in accordance with Water Industry Competition Regulation and Elements 5 and 9 (primarily) of the 12 Elements in the Australian Guidelines for Water Recycling.

8 Chifley Square is to be the only consumer of the recycled water. No other consumers will be granted connection to the recycled water supply. Waste management including storage and disposal of screenings and solid waste is to follow detailed design requirements by Innaco.

Monitoring of critical control points will be undertaken remotely and critical alarms will be integrated with the building management system (refer Appendix 3.7.1 Part II) that has been developed for 8 Chifley Square. Importantly, no other party/person than the operator will have remote access to manipulate the treatment plant.

Environment

8 Chifley Square has been subject to an environmental assessment and a Statement of Environmental Effects (SEE) was prepared as part of the Development Application Process with the City of Sydney. The SEE has been attached to this application in Appendix 3.7.1 Part III. The appendices from the SEE can be provided on request.

Part of the scheme's long term environmental management strategy will involve the development of an Operational Environmental Management Plan. This will form part of the Water Quality Plan. Management and operational procedures will include water quality and site monitoring programs, reporting procedures, emergency response and spill control procedures for the construction and operational stages of the scheme.

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Public safety

Day to day risks to public safety during the plant operation is minimal. No unauthorized personnel can enter the blackwater treatment room and extraction infrastructure is located underground.

Water quality and human health criteria are to be the highest standard possible as determined in the Australian Guidelines for Water Recycling in order to protect public health and safety for those accessing 8 Chifley Sq. All relevant signposting and labelling will be adopted for recycled water pipes and treatment plant areas as well as water reuse areas.

Consumers

The only consumer of the recycled water will be tenants of 8 Chifley Sq. Its interest as a consumer will be protected through the execution of a Sewer Mining Agreement with Sydney Water and implementation of infrastructure operation and maintenance procedures and OH&S management plans throughout the project.

The encouragement of competition in the supply of water and the provision of sewerage services	The installation of the black water treatment system provides 8 Chifley Square occupants the access to high quality treated water supply for multi-purpose uses which also opens up the opportunity to use a supplier other than Sydney Water, thus promoting the competition in supply of water.
The ensuring of sustainability of water resources	The treated sewage is a sustainable resource and by reducing consumption of potable water, the project will result in additional supplies of water being available from conventional sources for consumption or for environmental flow. • The recycled water produced from the waste water generated by the building routed to the black water treatment plant located in the basement of the building. This building waste water will be supplemented with flow from a sewer mining connection by tapping into the existing Hunter Street sewer line (Sydney Water owned). • Rainwater reuse has been integrated into non-potable recycled water strategy for the building. • Potable water uses to the cooling tower, toilet flashing and irrigation will mostly be substituted by this integrated non-potable recycled water strategy including the blackwater treatment plant.
The promotion of production and use of recycled water	The Black water plant forms part of an integrated approach to sustainability with the systems within the building which will be installed to best practice standards to minimise energy consumption, reduce carbon dioxide emissions and thus allowing the building at 8 Chifley Square to achieve 6 star Green Star and to achieve a National Australia Built Environment Energy Rating System (NABERS) energy

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	rating for the base building of 5 star + 60% in design. Its sustainability features are being promoted to the property industry and its clients. The features of this integrated recycled water scheme features prominently in that promotion.

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4 Network Operator

You need to complete the following section of this form if the applicant corporation is seeking a network operator's licence**.** Please note the sections are divided into the types of infrastructure as follows:

- 4.1 Water infrastructure - drinking water
- 4.2 Water infrastructure – non potable water (including recycled water and stormwater reuse)
- 4.3 Sewerage infrastructure.

Please complete only those sections that relate to your response in question 3.3.1 above.

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4.1 Water infrastructure – drinking water

Only provide a response to the questions in the following section if the applicant corporation is seeking a licence for the construction, maintenance and operation of water infrastructure for the supply of drinking water.

4.1.1	Describe the proposed drinking water infrastructure from the source of the drinking water through to the end use (i.e. catchment to tap). Please include in your description all of the infrastructure for which the applicant corporation is seeking a licence. This will include any infrastructure that is to be used for the production, treatment, filtration, storage, conveyance or reticulation of the drinking water. Please list all sources and end uses in the description. Identify the infrastructure for which the applicant corporation is seeking a licence. **Provide a detailed process flow diagram of the proposed infrastructure from source to end use in Appendix 4.1.1.**

You must attach a process flow diagram in response to this question. The process flow diagram should only include the drinking water infrastructure where the scheme includes more than one type of infrastructure and must cover the process from source to end use. You may also include a piping and instrumentation diagram for additional information.

The response to this question will be used to draft a proposed licence. The licence will specify the type of water industry infrastructure, if a licence is granted (Act s.6(1)(a)). The response will also be used to ensure you have applied for the correct licence(s) and as a context for our assessment of the applicant corporation's technical, organisational and financial capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

N/A

4.1.2	Describe whether the infrastructure is existing infrastructure or is to be constructed. If the infrastructure is existing, please describe its current condition and operability. If the infrastructure is a mixture of existing and to be constructed **identify the infrastructure as existing or to be constructed on the process flow diagram in Appendix 4.1.1**.

The response to this question will be used as a context for the assessment of environmental risks from the proposed scheme (Act s.10(4)(e), Reg cl.7).

N/A

4.1.3	Describe the location of the proposed infrastructure. For example include: ▾ the identification of specific lot descriptors (e.g. lot and DP numbers) for the production, treatment, filtration and/or storage infrastructure. ▾ the location of infrastructure for the conveyance and/or reticulation of drinking water by street name, local government area or other description as appropriate to the size of the scheme. **Provide a map showing the location of the proposed infrastructure from source to end use in Appendix 4.1.3.**

The map may include all water industry infrastructure (ie, drinking water, non-potable water and/or sewerage) where the scheme includes more than one type of infrastructure.

The response to this question is a requirement for any network operator's licence (Reg cl.6(1)(a)). The response to this question will be used to specify the authorised area of operations (Act s.11(1)), if a licence

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is granted. The response will also be used as a context for the assessment of environmental risks from the proposed scheme (Act s.10(4)(e), Reg cl.7).	
N/A	
4.1.4	Describe any interconnections between the proposed drinking water infrastructure and other infrastructure not part of this scheme (e.g. interconnections with other licensed network operators or public utilities). Identify in your description who is responsible for the construction, operation and maintenance of which infrastructure. **Identify all interconnections with other infrastructure on the process flow diagram in Appendix 4.1.1 and the map in Appendix 4.1.3.**
The response to this question will be used to ensure the correct area of operation is specified in the licence, if a licence is granted (Act s.11(1)). The response will also be used as a context for the assessment of risks from the proposed scheme and to identify possible additional licence conditions relating to the inter-connected systems and responsibilities for risks.	
N/A	
4.1.5	Where applicable, describe the connection point to customers or end users (e.g. the customer connection point may be a water meter). Identify in your description who is responsible for the construction, operation and maintenance of which infrastructure. **Identify all customer and/or end user connections on the process flow diagram in Appendix 4.1.1 and the map in Appendix 4.1.3.**
The response to this question will be used to ensure the correct area of operation is specified in the licence, if a licence is granted (Act s.11(1)). The response will also be used as a context for the assessment of risks from the proposed scheme.	
N/A	
4.1.6	What volume of water is available from the proposed source? Where applicable, please provide the capacity of the source and the (allowable) average daily extraction rate from the source. If there is more than one source, please provide the requested information for each of the sources. **Where relevant, provide a copy of any agreements and/or licences to access the source water in Appendix 4.1.6.**
The response will also be used as a context for the assessment of the technical, organisational and financial capacity of the applicant corporation (Act s.10(4)(a)).	
N/A	
4.1.7	What volume of water will be treated by the scheme? Please provide the average and peak daily flow rates treated by the scheme.
This information will be used to determine the fee category for the scheme, if a licence is granted. The response to this question may be used to draft a proposed licence, if a licence is granted.	
N/A	

PUBLIC

4.1.8	What volume of drinking water will be produced by the scheme? Please provide the average and peak daily volume supplied to end users or retail suppliers.
This information will be used to assess the retail supplier's obligation not to over commit, if a licence is granted. The response to this question may be used to draft a proposed licence, if a licence is granted.	
N/A	
4.1.9	**Provide your preliminary risk assessment for the scheme from source to end use in Appendix 4.1.9**. It is important that your preliminary risk assessment accurately identifies any hazards present in the source water or likely to result from the proposed treatment process. The risk assessment will also address the intended, inadvertent and unauthorised end uses (and therefore routes of exposure) to the water. The preliminary risk assessment will identify any reasonably foreseeable risk event with the potential to expose people or the environment to hazards. The preliminary risk assessment will outline the broad mitigation measures where the risk of exposure to a hazard is unacceptable to human health or the environment in order to reduce the risk of exposure. The risk assessment must also identify the events and circumstances that could adversely affect the applicant corporation's ability to carry out the activities for which the licence is sought (including any activities undertaken by a nominated third party), the probability of the occurrence of any such event or circumstance and the measures to be taken by the applicant corporation to prevent or minimise the likelihood of any such event or circumstance.
The preliminary risk assessment should demonstrate the application of a consistent methodology for identifying hazards and assessing potential impacts and risks to health and the environment. We strongly recommend that the applicant corporation utilises an established risk management system, such as outlined in AS/NZS ISO 31000:2009 (Risk management – Principles and guidelines), which is consistent with the approach outlined in the Australian Drinking Water Guidelines (element 2).	
The response to this question is a requirement for any network operator's licence for water infrastructure (Reg cl.6(1)(b) and cl.6(1)(c)(ii)). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)). The response to this question will also be used to draft a proposed licence. The licence will specify the purpose for which the infrastructure can be used, if a licence is granted (Act s.6(1)(a)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).	
N/A	
4.1.10	Describe how the 12 elements of the framework for the management of drinking water quality, as detailed in the Australian Drinking Water Guidelines (ADWG), have been addressed and will be implemented and maintained. **Provide evidence of the applicant corporation's capacity to implement the 12 elements of the framework in the ADWG in Appendix 4.1.10.**
The evidence should be in the form of management plans for either the proposed scheme or other similar schemes undertaken by the applicant corporation, or in a comprehensive statement detailing the process by which the management plan will be developed. For existing (brownfield) schemes you should provide the actual water quality plan for the site.	
The response to this question is a requirement for any network operator licence for water infrastructure (Reg cl.6(1)(d)(i)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).	
N/A	

PUBLIC

4.1.11	How will the continuity of supply of the drinking water be ensured? What contingency plans are in place in the case of failure of the infrastructure? What alternative supplies of drinking water will be used when the infrastructure is inoperable?
The response to this question is a requirement for any network operator's licence for water infrastructure (Reg cl.6(1)(c)). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).	
N/A	

4.1.12	Describe the systems and processes that the applicant corporation will have in place to manage the water infrastructure. **Provide evidence of the applicant corporation's capacity to develop and implement an infrastructure operating plan in Appendix 4.1.12.**
The evidence may include examples of processes and procedures for either the proposed scheme or other similar schemes undertaken by the applicant corporation. The processes and/or procedures should demonstrate good operational practice including life cycle planning, system redundancy, contingency planning, condition monitoring, management maintenance processes and processes of supporting skills needs. The examples should demonstrate links to a risk management process. For existing (brownfield) schemes you should provide the actual water quality plan for the site.	
The response to this question is a requirement for any network operator's licence for water infrastructure (Reg cl.6(1)(c)). The response will be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).	
N/A	

4.1.13	Describe the studies that have been completed to investigate any environmental impacts (including but not limited to water quality, quantity, air, noise, sea level rise, biodiversity and Aboriginal cultural heritage) from the construction and operation of the infrastructure? Have the studies identified any significant environmental impacts from the scheme? If so, how are the environmental impacts proposed to be managed? **Provide a copy of any environmental study and/or risk assessment in Appendix 4.1.13.**
As a minimum, an application must be accompanied by a statement of environmental effects (SEE) (unless the development is designated development, Part 5 development or a major project, in which case either an environmental impact statement (EIS) or comprehensive environmental assessment is required). The SEE may be prepared by the applicant corporation or by a consultant acting on behalf of the applicant. The SEE must identify the environmental impacts of the proposed scheme, and the steps which will be taken to protect the environment or reduce the harm. Where the study is in the form of a comprehensive environmental assessment or EIS, please include only the executive summary.	
The response to this question will be used to determine whether the activities authorised by a licence (if granted) present a significant risk of harm to the environment (Reg cl.7). The response to this question may be used to draft a proposed licence, if a licence is granted.	
N/A	

PUBLIC

4.1.14	If a treatment process forms part of the infrastructure for which the applicant corporation is seeking a licence, what waste streams will be generated by the proposed treatment plant and how will the waste be disposed of or handled?
The response to this question will be used to determine whether the activities authorised by a licence (if granted) present a significant risk of harm to the environment (Reg cl.7). The response will also be used as a context for our assessment of the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).	
N/A	

PUBLIC

4.2 Water infrastructure – non-potable water

Only provide a response to the questions in the following section if the applicant corporation is seeking a licence for the construction, maintenance and operation of water infrastructure for the supply of non-potable water.

4.2.1	Describe the proposed non-potable water infrastructure from the source of the water through to the end use (i.e. catchment to tap). Please include in your description the entire infrastructure for which the applicant corporation is seeking a licence. This will include any infrastructure that is to be used for the production, treatment, filtration, storage, conveyance or reticulation of the non-potable water. Please list all sources and end uses in the description. Identify the infrastructure for which the applicant corporation is seeking a licence. **Provide a detailed process flow diagram of the proposed infrastructure from source to end use in Appendix 4.2.1 Part I**

You must attach a process flow diagram in response to this question. The process flow diagram should only include the non-potable water infrastructure where the scheme includes more than one type of infrastructure and must cover the process from source to end use. You may also include a piping and instrumentation diagram for additional information.

The response to this question will be used to draft a proposed licence. The licence will specify the type of water industry infrastructure, if a licence is granted (Act s.6(1)(a)). The response will also be used to ensure you have applied for the correct licence(s) and as a context for our assessment of the applicant corporation's technical, organisational and financial capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

BLACKWATER

Source and extraction: The proposed blackwater treatment and reuse plant at 8 Chifley Square receive sewage from two different sources. The first source is the blackwater generated from the building itself excluding the cooling tower blow down wastewater which is sent to Sydney Water sewer directly. The blackwater generated from the building is in the vicinity of 28.5kL/day and makes up approximately half of the daily demand of recycled water in the building. The blackwater is gravity fed from the building to the basement where it enters the blackwater treatment train (the pumpstation). An oil and grease arrestor will be installed upstream of the pump station. It is important to note that a motorized diversion will be installed on the incoming sewage so that blackwater can be diverted to a sewer in Elizabeth St when the need for recycled water is low.

The second source of blackwater is from an existing Sydney Water sewer in Hunter St. A Sewer mining agreement has been approved in principle by Sydney Water with limitations on the extracted amount and its connection. The connection will provide a maximum flow of 1L/s at all times to the pump station via a gravity connection and an electrically actuated diversion valve that will be controlled by the level in the pump station. Higher flows than 1L/s in the Sydney Water sewer will bypass the inlet to the blackwater treatment system. An underground pipeline will carry the water from the sewer into the building and into the pump station. Levels have been designed so that the sewage is gravity fed from the Sydney Water main into the in building pump station.

Pump station: A pump station will be built in the blackwater treatment room (Level B2) which will contain duty/standby macerator pump set to deliver water from the pump station via inlet screens to a flow balance tank. The pumps will operate based on the requirement for water in the flow balance tank and will have a capacity to match the extraction rate allowed by Sydney Water based on the extraction from Hunter St. The levels in the pump station will control not only the macerator pumps in the pump station but also two motorized valves controlling the inflow to the pump station. All

PUBLIC

inflow to the pump station will be shut off in high level events and/or the flow balance tanks are full and water will be diverted to an existing sewer connection in Elizabeth St.

Inlet screens: Duty/Standby mechanical inlet screens will screen the macerated raw sewage down to 2mm prior to entering the balance tank. Screenings are separated, washed and stored in a secure location for waste collection.

Balance tank: A 50 kL balance tank will provide temporary storage of raw sewage to allow continuity of flow to the treatment plant during diurnal inflow conditions. Duty/Standby Flow balance tank pumps will transfer the sewage to the biological treatment zone.

Biological treatment: The sewage is passed through an anoxic and an aerobic zone where bacteria are activated to consume or digest the biodegradable waste. The Anoxic zone will aid in the denitrification process by reducing Nitrates to Nitrogen and the removal of phosphorus by addition of metal salt (Alum) forming pin flocs which are trapped on the outside the membrane modules. Process mixers are used to mix the contents of the anoxic chamber to prevent solids from settling in the anoxic chamber/ Tank. The duty/standby process aeration blowers provide air to the biological tank (aerobic zone) and ensure that sufficient oxygen is available to maintain the biological processes in the tank. The process aeration blowers are controlled through VSDs to vary the speed of the blowers to maintain adequate oxygen levels in the system for the microbial action, which is inturn interlocked with DO analyser for feed back to ensure that the air pumped through the blower is adequate for maintaining the oxygen level in the process tank at all times. The bioreactor will also include dosing options for controlling the influent pH.

Ultrafiltration membrane: MBR Systems generally achieve the following:

- Remove dissolved organics that cause biological oxygen demand (BOD), and
- suspended materials in wastewater.
- Replace sedimentation and tertiary filtration in conventional wastewater treatment systems.
- Provide an absolute barrier for the removal of suspended solids.
- Reduces the need for pre-treatment
- Ensures a stable operation and allow for easy integration

8 Chifley Square will have a GE supplied ZMOD system installed as part of its ultrafiltration. Z-MOD™-M Packaged Plants are pre-engineered, modular wastewater treatment systems that bring proven ZeeWeed® membrane bioreactor (MBR) technology to municipal, industrial, or land development applications. At the core of the Z-MOD™–M is the ZeeWeed® 500 reinforced hollow fibre membranes the industry's leading choice for long-life and high performance in the harsh, high-solids environment of a bioreactor. The rugged fibres are held in large modular cassettes that are immersed directly into the bioreactor. With nominal and absolute pore sizes of 0.04 microns and 0.1 microns respectively, ZeeWeed® 500 virtually ensures a particulate-free effluent. Refer to Appendix 4.2.1 Part II for more information on the ZMOD pre-packaged system for this project.

Chemical dosing: For cleaning of membranes, pH control, chlorine disinfection.

Reverse osmosis: Prior to entering disinfection stages, the permeate from the membrane tank will go through reverse osmosis to remove salts and colour and act as a further barrier in the treatment system. The proposed reverse osmosis system for 8 Chifley Square project is the pre-packaged GE supplied E4H-27K-DLX. Refer to Appendix 4.2.1 Part III for more information on the pre-packaged RO system.

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Disinfection: A multiple barrier approach has been adopted incorporating both UV disinfection as well as chlorine disinfection. The chlorine dosing will occur prior to the recycled water storage system and the residual will be kept at a value between 0.2-2mg/L.

Recycled water storage and distribution: Recycled water storage tanks will be provided to distribute the recycled water to irrigation, toilet flushing and cooling tower usage. A potable water back up will be provided to the recycled water tank.

RAINWATER

Source and extraction: Rainwater is also collected to supplement the recycled blackwater. The rainwater is collected from the roof of the building.

Screening: A pressure differential activated auto backwash cleanable mesh screen filter (50 micron) will be installed to treat the rainwater collected.

Disinfection: The rainwater will be disinfected using a chlorine disinfection system.

Recycled water storage and distribution: The treated rainwater will be stored in the recycled water storage tank together with the treated blackwater.

4.2.2	Describe whether the infrastructure is existing infrastructure or is to be constructed. If the infrastructure is existing, please describe its current condition and operability. If the infrastructure is a mixture of existing and to be constructed **identify the infrastructure as existing or to be constructed on the process flow diagram in Appendix 4.2.1**.

The response to this question will be used as a context for the assessment of environmental risks from the proposed scheme (Act s.10(4)(e), Reg cl.7).

Existing Infrastructure:

Sydney Water 300mm sewer line in Hunter Street and a 225mm sewer line with a manhole access, at Elizabeth Street are existing infrastructure.

Infrastructure to be constructed:

- A manhole with 150mm gravity lateral line for sewer mining offtake to be constructed on the Hunter Street's 300mm V.C. line and a 225mm waste return line from black water treatment plant to Elizabeth Street sewer for trade waste discharge;
- Raw waste water pump well and macerator pumps;
- Inlet screens;
- 50 kl flow balance tank and pumps;
- A biological treatment zone and associated pumps;
- Ultrafiltration membrane unit (pre-packaged)
- Process blowers;
- Reverse osmosis pre-packaged unit;
- UV disinfection unit;
- Chlorine dosing unit;
- Chemical dosing units;
- Recycled water pumps and recycled water storage tank;
- Remote monitoring and control system;
- Top-up connections to the Sydney Water main.

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• Overflow and trade waste connections • Rainwater treatment system	
4.2.3	Describe the location of the proposed infrastructure. For example include: ▾ the identification of specific lot descriptors (e.g. lot and DP numbers) for the production, treatment, filtration and/or storage infrastructure. ▾ the location of infrastructure for the conveyance and/or reticulation of non-potable water by street name, local government area or other description as appropriate to the size of the scheme. **Provide a map showing the location of the proposed infrastructure from source to end use in Appendix 4.2.3.**
The map may include all water industry infrastructure (ie, drinking water, non-potable water and/or sewerage) where the scheme includes more than one type of infrastructure.	
The response to this question is a requirement for any network operator's licence for water infrastructure (Reg cl.6(1)(a)). The response to this question will be used to specify the authorised area of operations (Act s.11(1)), if a licence is granted. The response will also be used as a context for the assessment of environmental risks from the proposed scheme (Act s.10(4)(e), Reg cl.7).	
The subject land is formally identified as being Lot 10 in Deposited Plan No.752057, being No.8-12 Chifley Square.	
4.2.4	Describe any interconnections between the proposed non-potable water infrastructure and other infrastructure not part of this scheme (e.g. interconnections with other licensed network operators or public utilities such as sewers or water mains). Identify in your description who is responsible for the construction, operation and maintenance of which infrastructure. **Identify all interconnections with other infrastructure on the process flow diagram in Appendix 4.2.1 and the map in Appendix 4.2.3.**
Examples of interconnections may include potable water top up or trade waste disposal, as well as to other network operators.	
The response to this question will be used to ensure the correct area of operation is specified in the licence, if a licence is granted (Act s.11(1)). The response will also be used as a context for the assessment of risks from the proposed scheme and to identify possible additional licence conditions relating to the inter-connected systems and responsibilities for risks.	
Describe any of interconnections between the proposed non-potable water infrastructure and other infrastructure not part of this scheme (e.g. interconnection with other licensed network operators or public utilities such as sewers or water mains).	**Sewer Mining & Trade Waste Disposal Connections:** • A sewer mining offtake manhole will be constructed on Sydney Water's Hunter Street sewer line as per the sewer mining agreement with Sydney Water. • A trade waste disposal line connection will be established utilising an existing access manhole on Elizabeth Street sewer line in accordance with Trade Waste Agreement with Sydney Water. **Potable Water Supply Connections:** • The building will be connected to Sydney Water potable water supply to provide the recycled water system with emergency back-up and top-up water supply. The potable connection will remain as existing metered

PUBLIC

	connection. Black flow prevention valves/devices will be installed on the back-up and top-up potable water lines to prevent any back flow from the recycled water storage tank. Valves at the sites boundary are owned and controlled by SW
It is Mirvac's responsibility to construction, operation and maintenance of all infrastructure. However, Mirvac will employ specialist wastewater and recycled water company Innaco Pty Ltd (through Planet Plumbing Group Pty Ltd) to undertake the construction, operation and maintenance of the recycled water plant. Excluded in Innaco's scope is the construction of the sewer mining offtake pit (by Civil Contractor to be confirmed), the recycled water storage and distribution network and the rainwater system (by Planet Plumbing Group Pty Ltd) and the trade waste connection (TBC).	
4.2.5	Where applicable, describe the connection point to customers or end users (e.g. the customer connection point may be a water meter). Identify in your description who is responsible for the construction, operation and maintenance of which infrastructure. **Identify all customer and/or end user connections on the process flow diagram in Appendix 4.2.1 and the map in Appendix 4.2.3.**
The response to this question will be used to ensure the correct area of operation is specified in the licence, if a licence is granted (Act s.11(1)). The response will also be used as a context for the assessment of risks from the proposed scheme.	
The recycled water will be used for the 8 Chifley Square building only and will only be metered at the outlet of the recycled water storage tank. The recycled water meter will be part of the building management system. There are no other consumers.	
4.2.6	What volume of water is available from the proposed source? Where applicable, please provide the capacity of the source and the (allowable) average daily extraction rate from the source. If there is more than one source, please provide the requested information for each of the sources. **Where relevant, provide a copy of any agreements and/or licences to access the source water in Appendix 4.2.6.**
The response will also be used as a context for the assessment of the technical, organisational and financial capacity of the applicant corporation (Act s.10(4)(a)).	
What volume of water is available from the proposed source? Where applicable please provide the capacity of the source and the allowable average daily extraction rate from the source…	**Source of Waste Water:** **Source – 1** Building generated waste water. Capacity of building generated waste is approximately estimated to be 28.5 kl/day **Extraction Rate:** 28.5 kl/day **Source – 2** Sewer mining from Sydney Water Sewer main located in Hunter Street. **Extraction Rate:** 1l/s at any time of the day as per the sewer mining agreement achieved between MIRVAC and SWC in principal attached in Appendix 3.5.1 Part II.

PUBLIC

	Source of rainwater: **Roof:** On average around 3.86kL/day.
What volume of water will be treated by the scheme? Please provide the average and peak daily flow rates treated by the scheme.	The blackwater treatment plant will be designed and built to treat 62.5 kl/day of recycled water with an expected output of 50kL/day. The rainwater treatment system has been designed to treat maximum 1L/s.
What volume of non-potable water will be produced by the scheme? Please provide the average and peak daily volume supplied to end users or retail suppliers.	The blackwater treatment plant will be designed and built to produce a maximum of 50 kl/day of recycled water. Rainwater will be supplementing the blackwater supply if required by the demand of the building.

4.2.7	What volume of water will be treated by the scheme? Please provide the average and peak daily flow rates treated by the scheme.
This information will be used to determine the fee category for the scheme, if a licence is granted. The response to this question may be used to draft a proposed licence, if a licence is granted.	
62.5 kl/day maximum (blackwater) and 1L/s maximum the rainwater system. Inflow can be varied and is fully controlled by motorized valves. Refer water balance Appendix 4.2.7.	

4.2.8	What volume of non-potable water will be produced by the scheme? Please provide the average and peak daily volume supplied to end users or retail suppliers.
This information will be used to assess the retail supplier's obligation not to over commit, if a licence is granted. The response to this question may be used to draft a proposed licence, if a licence is granted.	
50 kl/day, refer Appendix 4.2.8 for a daily water balance.	

4.2.9	List all the intended end uses for the non-potable water generated by the scheme.
The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)). The response to this question will also be used to draft a proposed licence. The licence will specify the purpose for which the infrastructure can be used, if a licence is granted (Act s.6(1)(a), Reg cl.8(1)).	
The recycled water will be used for cooling tower make up, irrigation and toilet flushing only. Refer to water balance sheets in Appendix 4.2.7 and 4.2.8 for more information.	

4.2.10	**Provide your preliminary risk assessment for the scheme from source to end use in Appendix 4.2.10**. It is important that your preliminary risk assessment accurately identifies any hazards present in the source water or likely to result from the proposed treatment process. The risk assessment will also address the intended, inadvertent and unauthorised end uses (and therefore routes of exposure) to the non-potable water. The preliminary risk assessment will identify any reasonably foreseeable risk event with the potential to expose people or the environment to hazards. The preliminary risk assessment will outline the broad mitigation measures where the risk

FINAL

	of exposure to a hazard is unacceptable to human health or the environment in order to reduce the risk of exposure. The risk assessment must also identify the events and circumstances that could adversely affect the applicant corporation's ability to carry out the activities for which the licence is sought (including any activities undertaken by a nominated third party), the probability of the occurrence of any such event or circumstance and the measures to be taken by the applicant corporation to prevent or minimise the likelihood of any such event or circumstance.

The preliminary risk assessment should demonstrate the application of a consistent methodology for identifying hazards and assessing potential impacts and risks to health and the environment. We strongly recommend that the applicant corporation utilises an established risk management system, such as outlined in AS/NZS ISO 31000:2009 (Risk management – Principles and guidelines), which is consistent with the approach outlined in the Australian Guidelines for Water Recycling (element 2).

The response to this question is a requirement for any network operator's licence for water infrastructure (Reg cl.6(1)(b) and cl.6(1)(c)(ii)). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)). The response to this question will also be used to draft a proposed licence. The licence will specify the purpose for which the infrastructure can be used, if a licence is granted (Act s.6(1)(a), Reg. cl.8(1)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

Refer Appendix 4.2.10 for a preliminary risk assessment for public and environmental health. A detailed HAZOP and HACCP will be undertaken during detailed design of the scheme and will be followed through during the construction and commissioning of the scheme.

In general, the key commercial risks facing the project are as follows:

1. Mirvac Real Estate Pty Ltd ceases operation or unable to carry out duties or 8 Chifley Square is sold off
2. Major equipment failure requiring extensive repairs or overhaul
3. Structural failure, eg pipeline damage, tank rupture etc
4. Inability to meet the product water quality requirements
5. Lack of trained staff
6. Third party contractor ceases to operate

The probability of any of the above to occur is as per response below:

1. Very low probability. Mirvac Real Estate Pty Ltd is in a sound operational position. If 8 Chifley Square is sold or if Mirvac Real Estate Pty Ltd ceases to operate, recycled water may not be required (depending on who takes over) and the treatment plant can be decommissioned. The recycled water plant is not a critical structure and potable backup is available to all end uses.
2. Low probability, most parts of the process are readily replaceable and accessible. The UF and RO systems are pre-packaged skids.
3. Low probability but are covered by warranties. Ensure preventative maintenance is carried out in accordance with the operation and maintenance manual. Apply incident and emergency response procedures if relevant
4. Low probability. Only a temporary occurrence requiring some operational changes to bring the product back within specification. All end uses have potable water back up.
5. Mirvac Real Estate Pty Ltd will engage third party contractor with technical expertise to provide ongoing support and technical input into Plant and Scheme Management.
6. Low probability. All third parties used (Mirvac Projects, Planet Plumbing and Innaco) are in sound operational positions. If any of the third party contractors cease to operate, plant can

PUBLIC

	be decommissioned and potable water used.
4.2.11	Describe how the 12 elements of the framework for the management of recycled water, as detailed in the Australian Guidelines for Water Recycling (AGWR), have been addressed and will be implemented and maintained. **Provide evidence of the applicant corporation's capacity to implement the 12 elements of the framework in the AGWR in Appendix 4.2.11.**
The evidence should be in the form of management plans for either the proposed scheme or other similar schemes undertaken by the applicant corporation, or in a comprehensive statement detailing the process by which the management plan will be developed. For existing (brownfield) schemes you should provide the actual water quality plan for the site.	
The response to this question is a requirement for any network operator's licence for water infrastructure (Reg cl.6(1)(d)(i)). The response to this question will also be used to draft a proposed licence. The licence will specify the purpose for which the infrastructure can be used, if a licence is granted (Act s.6(1)(a), Reg. cl.8(2)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence.	
Mirvac Real Estate Pty Ltd and its third party contractors realize that the 12 elements within the framework are not discrete components but interrelated activities to secure safe and sustainable recycled water supply. As such, the proposed recycled water management plan for 8 Chifley Square will entail the following (as a minimum): • Infrastructure operating plan o Detailed operational risk assessment including HACCP and preventative measures to be qualified to minimise risks and the residual risks o Operation and maintenance plan • Water quality plan consisting of: o Environmental Management Plan o Validation and verification plan including testing schedule and parameters and processes to be monitored o Incident and emergency plan • Construction risk assessment and management plan including: o Construction Environmental Management Plan (CEMP) o Works program o Detailed construction risk assessment • Project support plan including: o Training and awareness plan o Documentation and reporting plan Mirvac has engaged Planet Plumbing Group who in turn has engaged Innaco Pty Ltd to develop design documentation and management plans for the scheme. Innaco Pty Ltd has (via Henry & Hymas) previously prepared management plans for numerous recycled water schemes. Please find attached in Appendix 4.2.11 (in confidential version of this application) a recycled water management plan for a similar scheme undertaken by Henry & Hymas (Innaco's parent company).	
4.2.12	How will the continuity of supply of the non-potable water be ensured? What contingency plans are in place in the case of failure of the infrastructure? What

PUBLIC

	alternative supplies of non-potable water will be used when the infrastructure is inoperable?
The response to this question is a requirement for any network operator's licence for water infrastructure (Reg cl.6(1)(c)). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).	
Some rainwater harvesting will supplement the non-potable end uses. The building has dual reticulation available and can turn off the recycled water at any time and switch to potable. In addition, all equipment is conservatively rated and all pumps have duty standby operation. Product water is monitored on-line with set values for shutting off the recycled water supply if necessary.	
4.2.13	Describe the systems and processes that the applicant corporation will have in place to manage the non-potable water infrastructure. **Provide evidence of the applicant corporation's capacity to develop and implement an infrastructure operating plan in Appendix 4.2.13.**
The evidence may include examples of processes and procedures for either the proposed scheme or other similar schemes undertaken by the applicant corporation. The processes and/or procedures should demonstrate good operational practice including life cycle planning, system redundancy, contingency planning, condition monitoring, management maintenance processes and processes of supporting skills needs. The examples should demonstrate links to a risk management process. For existing (brownfield) schemes you should provide the actual water quality plan for the site.	
The response to this question is a requirement for any network operator's licence for water infrastructure (Reg cl.6(1)(c)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).	
A complete recycled water management plan will be developed for the project by the blackwater contractor (Innaco). The recycled water management plan will follow the 12 Elements in the National Guidelines for Water Recycling and the specifications relevant for the project. Refer to the hydraulic specifications in Appendix 3.4.2 Part II, the example Recycled Water Management Plan in Appendix 4.2.11 in the confidential version of this application and the blackwater specification of the project in Appendix 3.7.1 Part I.	
4.2.14	Describe the studies that have been completed to investigate any environmental impacts (including but not limited to water quality, quantity, air, noise, sea level rise, biodiversity and Aboriginal cultural heritage) from the construction and operation of the infrastructure? Have the studies identified any significant environmental impacts from the scheme? If so, how are the environmental impacts proposed to be managed? **Provide a copy of any environmental study and/or risk assessment in Appendix 4.2.14.**
As a minimum an application must be accompanied by a statement of environmental effects (SEE) (unless the development is designated development, Part 5 development or a major project, in which case either an environmental impact statement (EIS) or comprehensive environmental assessment is required). The SEE may be prepared by the applicant corporation or by a consultant acting on behalf of the applicant. The SEE must identify the environmental impacts of the proposed scheme, and the steps which will be taken to protect the environment or reduce the harm. Where the study is in the form of a comprehensive environmental assessment or EIS, please include only the executive summary.	
The response to this question may be used to draft a proposed licence, if a licence is granted. The response to this question will be used to determine whether the activities authorised by a licence (if granted) present a significant risk of harm to the environment (Reg cl.7).	

PUBLIC

A Statement of Environmental Effects has been prepared for 8 Chifley Square. Refer to Appendix 3.7.1 Part II.

4.2.15	If a treatment process forms part of the infrastructure for which the applicant corporation is seeking a licence, what waste streams will be generated by the proposed treatment plant and how will the waste be disposed of or handled?

The response to this question will be used to determine whether the activities authorised by a licence (if granted) present a significant risk of harm to the environment (Reg cl.7). The response will also be used as a context for our assessment of the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

There are mainly two waste streams from the treatment process, waste activated sludge from the bioreactor and membrane tank and brine disposal from the reverse osmosis unit. These waste streams will be connected to the existing sewer in Elizabeth St and operate under a trade waste agreement with Sydney Water for 8 Chifley Square.

Other waste includes screenings collected by the inlet screens which will have a separate disposal system in place. These are expected to be minimal based on contractors (Innaco) previous experience with similar schemes.

4.3 Sewerage infrastructure

Only provide a response to the questions in the following section if the applicant corporation is

PUBLIC

seeking a licence for the construction, maintenance and operation of sewerage infrastructure.	
4.3.1	Describe the proposed sewerage infrastructure from the collection to disposal or reuse. Include in your description all of the sewerage infrastructure for which the applicant corporation is seeking a licence. This will include any infrastructure that is to be used for the collection, treatment, filtration, storage, conveyance or disposal of the sewerage or treated effluent. **Provide a detailed process flow diagram of the proposed infrastructure from collection to disposal or reuse in Appendix 4.3.1.**
You must attach a process flow diagram in response to this question. The process flow diagram should only include the sewerage infrastructure where the scheme includes more than one type of infrastructure and must cover the process from source to end use. You may also include a piping and instrumentation diagram for additional information.	
The response to this question will be used to draft a proposed licence. The response to this question is a requirement for any network operator's licence for sewerage infrastructure (Reg cl.6(2)(d)(ii)). The licence will specify the type of water industry infrastructure, if a licence is granted (Act s.6(1)(a)). The response will also be used to ensure you have applied for the correct licence(s) and as a context for our assessment of the applicant corporation's technical, organisational and financial capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).	
Refer to process flow diagram of the scheme in Appendix 4.2.1 Part I	
4.3.2	Describe whether the infrastructure is existing infrastructure or is to be constructed. If the infrastructure is existing, please describe its current condition and operability. If the infrastructure is a mixture of existing and to be constructed **identify the infrastructure as existing or to be constructed on the process flow diagram in Appendix 4.3.1**.
The response to this question will be used as a context for the assessment of environmental risks from the proposed scheme (Act s.10(4)(e), Reg cl.7).	
The building collection system is to be constructed. The sewer pumpstation as part of the blackwater treatment plant is to be constructed.	
4.3.3	Describe the location of the proposed infrastructure. For example include: ▾ the identification of specific lot descriptors (eg, lot and DP numbers) for the collection, treatment, filtration and/or storage infrastructure ▾ the location of infrastructure for the conveyance and/or reticulation of sewage by street name, local government area or other description as appropriate to the size of the scheme. **Provide a map showing the location of the proposed infrastructure from source to end use in Appendix 4.3.3.**
The map may include all water industry infrastructure (ie, drinking water, non-potable water and/or sewerage) where the scheme includes more than one type of infrastructure.	
The response to this question is a requirement for any network operator's licence for sewerage infrastructure (Reg cl.6(2)(a)). The response to this question will be used to specify the authorised area of operations (Act s.11(1)), if a licence is granted. The response will also be used as a context for the assessment of environmental risks from the proposed scheme (Act s.10(4)(e), Reg cl.7).	
Refer to Question 4.2.3.	

PUBLIC

4.3.4	Describe any interconnections between the proposed sewerage infrastructure and other infrastructure not part of this scheme (eg, interconnections with other licensed network operators or public utilities such as sewers). Identify in your description who is responsible for the construction, operation and maintenance of which infrastructure. **Identify all interconnections with other infrastructure on the process flow diagram in Appendix 4.3.1 and the map in Appendix 4.3.3.**
The response to this question will be used to ensure the correct area of operation is specified in the licence, if a licence is granted (Act s.11(1)). The response will also be used as a context for the assessment of risks from the proposed scheme and to identify possible additional licence conditions relating to the inter-connected systems and responsibilities for risks.	
Refer to Question 4.2.4.	
4.3.5	What volume of sewage will be treated by the scheme? Please provide the average and peak daily (hydraulic and biological, where relevant) flow rates treated by the scheme.
This information will be used to determine the fee category for the scheme, if a licence is granted. The response to this question may be used to draft a proposed licence, if a licence is granted.	
Refer to Question 4.2.7	
4.3.6	What volume of treated effluent will be disposed of from the scheme? Please provide the average and peak daily disposal rates disposed from the scheme.
The response will be used as a context for the assessment of environmental risks from the proposed scheme (Act s.10(4)(e), Reg cl.7). The response to this question may be used to draft a proposed licence, if a licence is granted.	
Refer to 4.2.8. Treated effluent will be disposed to the recycled water system.	
4.3.7	How will the treated effluent be disposed of from the scheme?
The response to this question may be used to draft a proposed licence, if a licence is granted. The response will also be used as a context for the assessment of environmental risks from the proposed scheme (Act s.10(4)(e), Reg cl.7).	
Recycled throughout the building. Overflow connections to existing sewer.	
4.3.8	What wastewater and/or catchment characterisation studies have been undertaken? **Provide a summary report of any wastewater characterisation or catchment studies including results in Appendix 4.3.8.**
This information will be used as a context to the potential health and environmental risks posed by the scheme.	
None. Typical commercial building. Proposed sewage concentrations have been estimated and are shown in the blackwater specifications refer Appendix 3.7.1 Part I.	
4.3.9	**Provide your preliminary risk assessment for the scheme from collection to disposal in Appendix 4.3.8**. It is important that your preliminary risk assessment accurately identifies any hazards present in the sewage or likely to result from the proposed treatment process. The risk assessment should also address the intended method of disposal and any inadvertent releases (and therefore routes of exposure) to

PUBLIC

	the treated effluent. The preliminary risk assessment will identify any reasonably foreseeable risk event with the potential to expose people or the environment to hazards. The preliminary risk assessment will outline the broad mitigation measures where the risk of exposure to a hazard is unacceptable to human health or the environment in order to reduce the risk of exposure. The risk assessment must also identify the events and circumstances that could adversely affect the applicant corporation's ability to carry out the activities for which the licence is sought (including any activities undertaken by a nominated third party), the probability of the occurrence of any such event or circumstance and the measures to be taken by the applicant corporation to prevent or minimise the likelihood of any such event or circumstance.
The preliminary risk assessment should demonstrate the application of a consistent methodology for identifying hazards and assessing potential impacts and risks to health and the environment. We strongly recommend that the applicant corporation utilises an established risk management system, such as outlined in AS/NZS ISO 31000:2009 (Risk management – Principles and guidelines). Where relevant, the risk assessment should identify and include any environmental risks and/or management actions identified in the development approval.	
The response to this question is a requirement for any network operator's licence for sewerage infrastructure (Reg cl.6(2)(b), cl.6(2)(c)(ii), cl.6(2)(d)(i)). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)). The response to this question will also be used to draft a proposed licence. The licence will specify the purpose for which the infrastructure can be used, if a licence is granted (Act s.6(1)(a)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).	
Refer 4.2.10	
4.3.10	Describe the systems and processes that the applicant corporation will have in place to manage the sewerage infrastructure. **Provide evidence of the applicant corporation's capacity to develop and implement an infrastructure operating plan in Appendix 4.3.10.**
The evidence may include examples of processes and procedures for either the proposed scheme or other similar schemes undertaken by the applicant corporation. The processes and/or procedures should demonstrate good operational practice including life cycle planning, system redundancy, contingency planning, condition monitoring, management maintenance processes and processes of supporting skills needs. The examples should demonstrate links to a risk management process. For existing (brownfield) schemes you should provide the actual water quality plan for the site.	
The response to this question is a requirement for any network operator's licence for sewerage infrastructure (Reg cl.6(2)(c)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).	
Refer Section 4.2.13 and also 4.2.10 for risk assessment. All sewerage infrastructure will be inspected and certified during installation by Planet Plumbing.	
4.3.11	How will the continuity of the provision of sewerage services be ensured? What contingency plans are in place in the case of failure of the infrastructure?
The response to this question is a requirement for any network operator's licence for sewerage infrastructure (Reg cl.6(2)(c)). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (act s.10(4)(a)).	
Balance tank volume of 50kL can be used as emergency storage. All connections are gravity fed overflows to existing Sydney Water sewers.	

PUBLIC

4.3.12	Describe the studies that have been completed to investigate any environmental impacts (including but not limited to water quality, quantity, air, noise, sea level rise, biodiversity and Aboriginal cultural heritage) from the construction and operation of the infrastructure? Have the studies identified any significant environmental impacts from the scheme? If so, how are the environmental impacts proposed to be managed? **Provide a copy of any environmental study and/or risk assessment in Appendix 4.3.12.**
As a minimum an application must be accompanied by a statement of environmental effects (SEE) (unless the development is designated development, Part 5 development or a major project, in which case either an environmental impact statement (EIS) or comprehensive environmental assessment is required). The SEE may be prepared by the applicant corporation or by a consultant acting on behalf of the applicant. The SEE must identify the environmental impacts of the proposed scheme, and the steps which will be taken to protect the environment or reduce the harm. Where the study is in the form of a comprehensive environmental assessment or EIS, please include only the executive summary.	
The response to this question may be used to draft a proposed licence, if a licence is granted. The response to this question will be used to determine whether the activities authorised by a licence (if granted) present a significant risk of harm to the environment (Reg cl.7).	
Refer to SEE Appendix 3.7.1 Part III.	
4.3.13	Where relevant, what land capability assessments have been undertaken on the proposed land disposal area? **Provide a copy of any soil capability assessment in Appendix 4.3.13.**
The response to this question may be used to draft a proposed licence, if a licence is granted. The response to this question will be used to determine whether the activities authorised by a licence (if granted) present a significant risk of harm to the environment (Reg cl.7).	
N/A	
4.3.14	If a treatment process forms part of the infrastructure for which the applicant corporation is seeking a licence, what waste streams will be generated by the proposed treatment plant (such as screenings and biosolids but not including the treated effluent) and how will the waste be disposed of or handled?
The response to this question will be used to determine whether the activities authorised by a licence (if granted) present a significant risk of harm to the environment (Reg cl.7). The response will also be used as a context for our assessment of the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).	
Refer Question 4.2.15.	

PUBLIC

5 Retail Supplier

Only to be completed by applicants seeking a retail supplier's licence.

Note a retail supplier's licence may only be granted if sufficient quantities of the water supplied will have been obtained otherwise than from a public water utility (Act s.10(4)(d)).

5.1 Supply of water	
Please provide a response to the questions in the following section if you are seeking a licence for the supply of water by means of any water industry infrastructure.	
5.1.1	Describe the water industry infrastructure that the applicant corporation will access to supply water.
The response to this question is a requirement for any retail supplier's licence for water industry infrastructure (Reg cl.10(1)(a). The response will also be used to ensure you have applied for the correct licence(s)).	
The water supplied will be from the already described recycled water plant and the rainwater harvesting system.	
5.1.2	What volume of water is available from the proposed source? Where applicable, please provide the capacity of the source and the (allowable) average daily extraction rate from the source. If there is more than one source, please provide the requested information for each of the sources. **Where relevant, provide a copy of any agreements and/or licences to access the source water in Appendix 5.1.2.**
The response to this question will be used to determine whether sufficient quantities of the water supplied will have been obtained otherwise than from a public water utility (Act s.10(4)(d)).	
Refer 4.2.6	
5.1.3	What customers or classes of customers does the applicant corporation propose to supply with water?
Classes of customers may include residential, industrial, commercial or agricultural.	
The response to this question is a requirement for any retail supplier's licence (Act s.6(1)(b)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).	
Commercial only.	
5.1.4	Will you be supplying small retail customers with water (i.e. less than 15Ml/year)?
A person is a small retail customer in relation to water supply if the maximum rate at which water is supplied, pursuant to one or more water supply contracts, to all premises that the person owns, leases	

PUBLIC

or occupies is less than 15 megalitres per year.	
The response will be used as context to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)). The response will also be used as a context for the assessment of risks from the proposed scheme and to identify possible additional licence conditions relating to the supply of water to small retail customers.	
No.	
5.1.5	**Provide your preliminary risk assessment for the retail activities related to the scheme in Appendix 5.1.5.** The risk assessment must identify the events and circumstances that could adversely affect the applicant corporation's ability to carry out the activities for which the licence is sought (including any activities undertaken by a nominated third party), the probability of the occurrence of any such event or circumstance and the measures to be taken by the applicant corporation to prevent or minimise the likelihood of any such event or circumstance.
The preliminary risk assessment should demonstrate the application of a consistent methodology for identifying hazards and assessing potential impacts and risks. We strongly recommend that the applicant corporation utilises an established risk management system such as outlined in AS/NZS 4360 (Risk Management).	
The response to this question is a requirement for any retail supplier's licence (Reg cl.10(1)(b). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)).	
Refer 4.2.10.	
5.1.6	How will the continuity of the supply of water to customers be ensured? What contingency plans are in place in the case of failure of the infrastructure?
The continuity of supply may differ between customer classes. If this is the case for your project please define the different levels of service for each customer class and how the continuity of supply of water, relevant to that class of customer, will be maintained.	
The response to this question is a requirement for any retail supplier's licence (Reg cl.10(1)(b)(iii)). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).	
Refer 4.2.12	
5.1.7	Describe the systems and processes that the applicant corporation will have in place to manage retail activities including billing systems, complaint and debt recovery procedures. **Provide evidence of the applicant corporation's capacity to develop and implement a retail supply management plan in Appendix 5.1.7.**
The evidence may include examples of processes and procedures for either the proposed scheme or other similar schemes undertaken by the applicant corporation. The examples should demonstrate links to a risk management process. For existing (brownfield) schemes you should provide the actual systems and procedures.	
The response to this question is a requirement for any retail supplier's licence (Reg cl.10(2)(b)(iv)). The response will also be used to assess the applicant corporation's technical capacity to undertake the	

PUBLIC

activities for which you are seeking a licence (Act s.10(4)(a)).
Refer to Appendix 5.1.7 Part I and Part II in Confidential version only.

5.2 Provision of sewerage services

Please provide a response to the questions in the following section if you are seeking a licence for the provision of sewerage services by means of any water industry infrastructure.

5.2.1	Describe the water industry infrastructure that the applicant corporation will access to provide sewerage services.
The response to this question is a requirement for any retail supplier's licence for water industry infrastructure (Reg cl.10(2)(a)). The response will also be used to ensure you have applied for the correct licence(s).	
N/A	

5.2.2	What customers or classes of customers does the applicant corporation propose to provide with sewerage services?
Classes of customers may include residential, industrial, commercial or agricultural. The licence may also specify whether the customers are small retail customers.	
The response to this question is a requirement for any retail supplier's licence (Act s.6(1)(b)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).	
N/A	

5.2.3	Will you be providing small retail customers with sewerage services (i.e. less than 10.5 ML/year)?
A person is a small retail customer in relation to the provision of sewerage services if the maximum rate at which sewage is discharged, pursuant to one or more sewerage service contracts, from all premises that the person owns, leases or occupies is less than 10.5 megalitres per year, as determined in accordance with guidelines issued by IPART.	
The response will be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)). The response will also be used as a context for the assessment of risks from the proposed scheme and to identify possible additional licence conditions relating to the supply of water to small retail customers.	
N/A	

5.2.4	**Provide your preliminary risk assessment for the retail activities related to the scheme in Appendix 5.2.4.** The risk assessment must also identify the events and circumstances that could adversely affect the applicant corporation's ability to carry out the activities for which

PUBLIC

	the licence is sought (including any activities undertaken by a nominated third party), the probability of the occurrence of any such event or circumstance and the measures to be taken by the applicant corporation to prevent or minimise the likelihood of any such event or circumstance.
The preliminary risk assessment should demonstrate the application of a consistent methodology for identifying hazards and assessing potential impacts and risks. We strongly recommend that the applicant corporation utilises an established risk management system such as outlined in AS/NZS 4360 (Risk Management).	
The response to this question is a requirement for any retail supplier's licence (Reg cl.10(2)(b)). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)).	
N/A	
5.2.5	How will the continuity of the provision of sewerage services be ensured? What contingency plans are in place in the case of failure of the infrastructure?
The response to this question is a requirement for any retail supplier's licence (Reg cl.10(2)(b)(iii)). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).	
N/A	
5.2.6	Describe the systems and processes that the applicant corporation will have in place to manage retail activities including billing systems, complaint and debt recovery procedures. **Provide evidence of the applicant corporation's capacity to develop and implement a retail supply management plan in Appendix 5.1.4.**
The evidence may include examples of processes and procedures for either the proposed scheme or other similar schemes undertaken by the applicant corporation. The examples should demonstrate links to a risk management process. For existing (brownfield) schemes you should provide the actual systems and procedures.	
The response to this question is a requirement for any retail supplier's licence (Reg cl.10(2)(b)(iv)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).	
N/A	

PUBLIC

6 Applicant experience and systems

The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

6.1 Network operator

Only provide a response to the questions in the following section if the applicant corporation is seeking a network operator's licence

6.1.1	Describe the structure of the applicant corporation. Include in the description a list of the entities that have an ownership interest in the applicant corporation, whether legal or equitable. **Provide an organisational diagram in an Appendix 6.1.1.** The diagram should clearly show all entities that have an ownership interest in the applicant corporation,

The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

The Mirvac Group ("Mirvac") comprises Mirvac Limited ("parent entity" ABN 92 003 280 699) and its controlled entities, which includes Mirvac Property Trust ("MPT", ARSN 086 780 645) and its controlled entities. Mirvac has two core divisions, Investment and Development.

Mirvac also has two business units, Investment Management ("MIM") and Hotel Management. MIM which includes Mirvac Real Estate Pty Ltd (ABN 65 003 342 452) facilitates capital interaction between the two core divisions and undertaking the management of external funds while Hotel Management is responsible for the management of hotels across Australia and New Zealand.

The Applicant, Mirvac Real Estate Pty Ltd trading as Mirvac Asset Management (MAM) is a key service provider for both internal and external clients and operates under the controlled of MIM. MAM is a 100% owned subsidiary of the Mirvac Group.

For further details on the Applicant organisational structure **refer Appendix 6.1.1 : Structure of the applicant corporation**

6.1.2	Describe the applicant corporation's (and, where relevant, the nominated third parties) current experience in the construction, maintenance and operation of water and/or other utility infrastructure such as gas, electricity or telecommunications.

The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

Mirvac Real Estate Pty Ltd trading as Mirvac Asset Management (MAM) sits within the integrated Mirvac Group as a key service provider providing property management, engineering & operations for internal and external real estate clients. MAM has over 260 staff and 5000 contractors and manages approximately 130 prime locations including retail, commercial and industrial properties which are located throughout metropolitan and regional areas of Australia.

Mirvac Asset Management has strong experience in the following areas:

-Business Planning & Budgeting Expenditure Control

- Health Safety Environment Management

PUBLIC

- Facility Operations and Maintenance
- Environmental and Sustainability Management
- Project Management
- Risk Management
- Contractor Procurements & Performance Management
- Benchmarking & Reporting
- Lifecycle Management

Mirvac Projects Pty Ltd has developed in recent years some of Australia's most renowned projects including Magenta Shores on the Central Coast, NSW; Walsh Bay in Sydney, NSW; Hoxton Park Distribution Centre, Hoxton Park NSW; Ephraim Island on the Gold Coast, QLD; Yarra's Edge, VIC; and The Peninsula at Burswood in Perth which all require construction of utility infrastructure to the site such as gas, electricity and telecommunications.

With extensive experience in all aspects of hydraulic engineering, Planet Plumbing's expertise and solid core values make Planet Plumbing a valuable alliance partner for success. Our certified quality management system ensures the highest quality workmanship, at every stage of the process, to deliver exceptional and unsurpassed project results. While our work speaks for itself, our greatest strength comes from our ingrained culture of building solid client and supplier relationships, maintaining open lines of communication, from concept to completion and beyond. Refer to Appendix 3.4.1 Part I for a capability statement.

Innaco Pty Ltd is accomplished in the provision of turn-key water treatment technologies and with the expertise and back up of a variety of technology suppliers, successful project outcomes are assured. Innaco Pty Ltd is a subsidiary of Henry & Hymas consulting engineers who have been at the forefront of infrastructure design for the past decade. Innaco has been successfully designing, constructing and operating wastewater treatment plants and recycled treatment plants since the commencement of the company in 2005. Their most current projects include the sewer mining plants at Gordon Golf Course and North Turramurra Golf Course (design, construct and operate). Please refer to Appendix 3.4.1 Part III for a company capability statement.

6.1.3	List the key personnel involved in each of the significant activities (construction, maintenance and operation) and summarise their required skills, qualifications and experience. **Provide a position description for each of the key personnel positions in Appendix 6.1.3.**

Clearly identify whether the key personnel are employees of the applicant corporation or, where relevant, the nominated third party. It is not necessary to list all the employees. Ensure that the key personnel include the person or persons responsible for managing the applicant corporation's compliance with their legislative responsibilities.

The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

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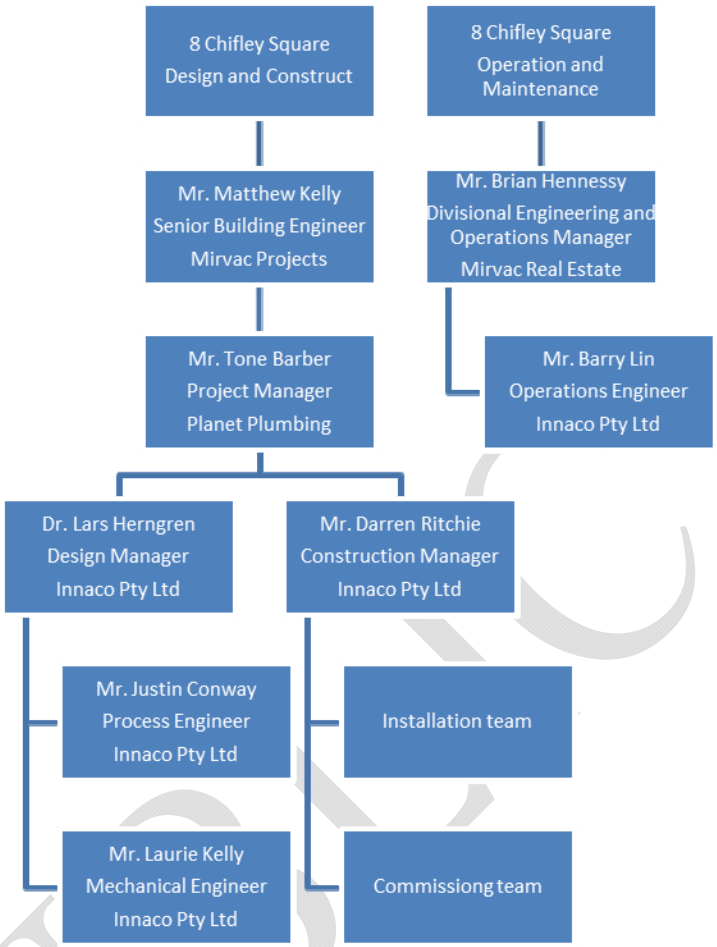

6.1.4	Please provide details of any other regulatory approvals or licences the applicant corporation or nominated third party holds in relation to the infrastructure activities for which you are seeking a licence.
Include relevant approvals for similar projects interstate or overseas to demonstrate the experience of the applicant corporation. We may seek confirmation of your compliance history in relation to other regulatory approvals or licences as part of our assessment.	
The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).	
Mirvac Real Estate's third party contractor Innaco Pty Ltd hold Sewer Mining Agreements (via Ku-ring-gai Council) for the Gordon Golf Course Sewer Mining Plant as well as a Section 68 Approval to Operate for the treatment plant. Innaco is also in the process of finalizing the North Turramurra Golf Course Sewer Mining Scheme and approvals such as Section 68 and Sydney Water Sewer Mining Agreements. Innaco Pty Ltd also holds Council approval for the operation of the St Ives Vegetation Landfill Water Recycling Plant that supplies water for irrigation and toilet flushing at the St Ives Showground.	
6.1.5	What business systems will the applicant corporation have in place to ensure they can comply with your regulatory requirements? Are any of the systems certified or will they

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	be certified?

Business systems may include but not be limited to quality assurance, asset management and environmental management systems.

The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

At Mirvac, regulatory compliant remains an absolute priority, our Health Safety Environment (HSE) employed the requirements of the AS/NZ4801, ISO14001 and OHSAS18001-2007 and has ingrained in all levels of operation and divisions across Mirvac Group including Investment and Development.

This commitment is demonstrated through a visionary statement set out in the Mirvac Group Health Safety Environment Policy, as follow:

- Complying with applicable statutory requirements, codes of practice, standards and guidelines
- Establishing measurable objectives and targets aimed at the elimination of work related incidents or impacts from our activities, products and services
- Defining roles, responsibilities and levels of accountability for Health Safety Environment

A copy of the HSE policy is provided in **Appendix 6.1.5 Part I – Health Safety Environment Policy**.

The Mirvac Group Health Safety Environment Management System (HSE MS) describes core elements, interaction and provides direction to related HSE MS documents including policies and procedures dedicated to the management of HSE. Responsibilities, accountability and related reporting mechanisms for HSE are defined within the Management System. A copy of the HSE MS can be found in **Appendix 6.1.5 Part II - Mirvac Group Health Safety Environment Management System.** It should be noted that whilst our HSE MS is not certified to ISO 9001 it is aligned to this standard.

In addition to the HSE SE, MAM uses a Computerised Maintenance Management System called MEX to plan and track all maintenance tasks, including those provided by contractors. These tasks from MEX are fed into an on-site computerized contractor management system where they are available for and acknowledged by the respective contractor when attending site for maintenance or service works.

This system provides a real time event of maintenance works and provides MAM with knowledge through reporting procedures where deviations to contracted frequencies exist, that is, the task was not performed. This system also allows the contractor to provide information back to MAM on any anomaly or risk item that may require action.

In addition, the blackwater treatment plant will be operated and maintained in accordance with a recycled water management plan to be developed for the site by Innaco Pty Ltd. An example management plan for a similar scheme has been attached in Appendix 4.2.11.

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Retail supplier

Only provide a response to the questions in the following section if the applicant corporation is seeking a retail supplier's licence

6.2.1	Describe the structure of the applicant corporation. Include in the description a list of the entities that have an ownership interest in the applicant corporation, whether legal or equitable, and a list of the entities that the applicant corporation has an ownership interest in. **Provide an organisational diagram in Appendix 6.2.1.** The diagram should clearly show all entities that have an ownership interest in the applicant corporation.

The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

Refer 6.1.1

6.2.2	Describe the applicant corporation's (and, where relevant, the nominated third parties) current experience in the supply of water or the provision of sewerage services. Please also outline any previous experience in the retailing of other services such as gas, electricity or telecommunications.

The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

Refer 6.1.2

6.2.3	List the key personnel involved in the retail activities and summarise their required skills, qualifications and experience. **Provide a position description for each of the key personnel positions in Appendix 6.2.3.**

Clearly identify whether the key personnel are employees of the applicant corporation or, where relevant, the nominated third party. Ensure that the key personnel include the person or persons responsible for managing the applicant corporation's compliance with their legislative responsibilities.

The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

Refer 6.1.3

6.2.4	Please provide details of any other regulatory approvals or licences the applicant corporation or nominated third party holds in relation to the retail activities for which you are seeking a licence.

Include relevant approvals for similar projects interstate or overseas to demonstrate the experience of the applicant corporation. We may seek confirmation of your compliance history in relation to other regulatory approvals or licences as part of our assessment.

The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

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Refer 6.1.4	
6.2.5	What business systems will the applicant corporation have in place to ensure they can comply with your regulatory requirements? Are any of the systems certified or will they be certified?
Business systems may include but not be limited to quality assurance and environmental management systems. Retails systems such as billing and complaint management should be included in the response to this question.	
The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).	
Refer 6.1.5	

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7 Financial capacity

The response to the following questions will be used to assess the applicant corporation's financial capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

Provide a response to the financial questions according to the following matrix:

	Question					
	7.1	**7.2**	**7.3**	**7.4**	**7.5**	**7.6**
Retail supply licence only	✓	✓	✓			
Network operator licence						
For infrastructure used for self supply	✓	✓				
For infrastructure used to supply large retail customers	✓	✓	✓			
For infrastructure used to supply small retail customers with non-essential services	✓	✓	✓	✓	✓	
For infrastructure used to supply small retail customers with essential services[a]	✓	✓	✓	✓	✓	✓

[a] Applicant corporations who are providing essential services to small retail customers will be required to meet with our financial assessment team following submission of the application to discuss the information requirements for making the financial capacity assessment.

7.1 How will the applicant corporation finance the proposed activity?

7.1.1	Describe the mechanisms by which the applicant corporation's activities are financed or to be financed. **Provide evidence of any financial guarantees or commitment of financial support in Appendix 7.1.1.**

Evidence of financial support may include, but is not limited to; a letter from a financial institution (being a bank, credit union or the government) confirming indicative financing of the applicant corporation's activities, including:

- the nature of finance (eg, bridging, long term, corporate debt, government funding)
- type and limit of the facility
- type and limit of any guarantee, and
- terms and conditions.

In the construction and commissioning phase, the project will be funded by Mirvac Projects Pty Ltd as part of a Development Agreement with Mirvac 8 Chifley Pty Limited (in its capacity as trustee of Mirvac 8 Chifley Trust) to deliver a fully constructed premium grade commercial office building, including a 50kL blackwater treatment plant with sewer mining capability.

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During the operation phase, all ongoing operation and maintenance costs including OPEX and CAPEX will be managed and funded by Mirvac Real Estate Pty Ltd as part of a Service Agreement between Mirvac Real Estate Pty Ltd and Mirvac 8 Chifley Trust.

7.2 Are there any events that could affect the applicant corporation's future financial capacity?

7.2.1	Are there any events or circumstances, that you are currently aware of, that could affect the applicant corporation's future financial capacity? If applicable, provide details of all such events relevant to the applicant corporation for the last 3 years from the date of this application.

Events and circumstances may include but are not limited to:

- Government or other investigation of the applicant corporation or related entities
- Contract terminated
- Factors which might impact on the applicant corporation such as significant litigation, business commitments, contingent liabilities, collections by debt collection agencies on behalf of creditors or liquidation proceedings
- Any outstanding tax liabilities
- Any other particulars which are likely to adversely affect the applicant corporation's capacity to undertake the services under the licence (if granted).

There is no events or circumstances that the applicant is aware of that could affect the applicant corporation's future financial capacity. Please find attached in Appendix 7.2.1 the last 3 years financial statements.

7.3 What is the projected financial performance of the proposed activities?

7.3.1	Summarise the projected cash flows (net EBITDA), including key financial modelling assumptions, such as capex, for the first 5 years of operation (at minimum). Provide the projected cash flows for a minimum of the next five (5) years of operation (including projected closing balance sheets and profit and loss statements), taking into account the licensing agreements, with details of all key financial modelling assumptions in **Appendix 7.3.1**.

If necessary, a longer period may be provided to demonstrate financial viability of the project.

Refer to Appendix 7.3.1 in Confidential submission.

7.3.2	Where the applicant corporation is seeking a network operator's licence, who is the owner of the infrastructure for which the applicant corporation is seeking a licence?

8 Chifley Trust

7.3.3	Where the applicant corporation is applying for a retail supplier's licence to supply water or provide sewerage service to residential households, provide an estimate of the cost per household per year to supply water and/or provide sewerage services (as is relevant). Who will pay the cost? What is the proposed price level and structure for the first five years of

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	operation?
The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)).	
8 Chifley Square is a commercial development with no residential component. Therefore, no cost for water will be passed on to any residential household. The cost of any water associated with the building will be paid directly by Mirvac Real Estate Pty Limited, but will be recovered as an outgoing cost which the tenants pay directly to Mirvac Real Estate Pty Limited. Mirvac Real Estate Pty Ltd will not be acting as a retailer for any water services within the building, inclusive of the blackwater treatment facility	

7.4 What is the applicant corporation's financial history?

7.4.1	Does the applicant corporation have a financial history? If not, explain why.
N/A	
7.4.2	Where the applicant is a new corporation, supported by one or more parent entities, provide a copy of guarantee or cross deed of indemnity provided by the parent entity, and financial statements for the parent entity for the last 3 years in **Appendix 7.4.2**.
Please include any parent entity with more than 20 per cent of equity in the applicant corporation.	
N/A	
7.4.3	Where the applicant is a new corporation financed through alternative arrangements (eg, debt or equity), provide a letter from a financial institution (eg, bank, credit union or the government) certifying an existing or proposed line of credit or financial support, and a copy of guarantee or cross deed of indemnity provided by an entity such as a holding company or Director (provide financial statements demonstrating the financial viability of the guarantor) in **Appendix 7.4.3**.
N/A	
7.4.4	Where the applicant is not a new corporation, summarise the performance of the applicant corporation over the past 3 years below. Provide copies of tax returns for the corporation for the last 3 years in **Appendix 7.4.4(a)**. Provide financial statements for the last 3 years in **Appendix 7.4.4(b)**. Where the latest annual financial statements are more than 3 months old, provide the latest available management reports showing: ▾ a trading statement ▾ a profit and loss statement, and ▾ a trial balance.
It is preferable that these financial statements are audited. It is recognised that not all corporations are required to have their annual financial statements audited. However, where you are required to lodge audited financial statements with the Australian Securities and Investments Commission (ASIC), provide copies of these statements. (Note: consolidated accounts for the parent organisation or group to which the applicant corporation belongs would not be considered acceptable)	
N/A	

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7.4.5	If applicable, what is the applicant corporation's credit rating? Provide the applicant corporation's Credit rating memorandum (eg, Standard & Poor's, Moody's or Fitch), if available in **Appendix 7.3.6**.
N/A	
7.4.6	Provide details of the applicant corporation's debt/equity finance and any debt covenants on existing borrowings.
N/A	

7.5 Contacts

7.5.1	Does the applicant corporation have an accountant? If yes, what are the accountant's contact details?
N/A	
7.5.2	Does the applicant corporation have an external auditor? If yes, what are the external auditor's contact details?
N/A	
7.5.4	If required, may we contact the accountant and/or external auditor registered taxation agent to clarify any information provided?
N/A	

7.6 Internal accounting records

7.6.1	Provide bank reconciliations, aged accounts receivable reports, and aged accounts payable reports in **Appendix 7.6.1** at the dates of: ▾ The latest management accounting reports (if applicable) and annual financial statements ▾ 30 September (most recent) ▾ 31 December (most recent) ▾ 31 March (most recent), and ▾ 30 June (most recent) for the applicant corporation.
N/A	

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7.6.2	Provide an extract of the superannuation payable ledger in **Appendix 7.6.2** for: ▼ The 12 months ending on the date of the latest annual financial statements, and ▼ The period commencing on the date of the latest annual financial statements and ending on the date of the latest management accounting reports (if applicable) for the applicant corporation
N/A	
7.6.3	Provide bank statements for the 3 months to the date of the latest management accounting reports (if applicable) or annual financial statements for the applicant corporation, whichever has been submitted with the application in **Appendix 7.6.3**.
N/A	

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8 Statutory declaration and acknowledgement

To be completed by all applicants

8.1 Statutory declaration

Provide a statutory declaration from:

(a) the Chief Executive Officer and a director of the applicant corporation; or

(b) the sole director and Chief Executive Officer of the applicant corporation; or

(c) such other person that IPART agrees may provide the statutory declaration/s;

to the effect that the information provided in the application is true and correct. For the purposes of Part 3 of this application form, the statutory declaration should also state that the applicant corporation is not a disqualified corporation and that no director or person concerned in the management of the applicant corporation is or would be a disqualified individual within the meaning of the WIC Act.

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I, do solemnly and sincerely declare that:

1. I am a director / ~~the Chief Executive Officer~~ / ~~the sole director and Chief Executive Officer~~ [delete as applicable] of the applicant (named in the application form accompanying this declaration);
2. the information provided in this application is true and correct to the best of my knowledge;
3. I am aware of the requirements under the *Water Industry Competition Act 2006* (NSW) (WIC Act) for the licence being applied for;
4. the applicant corporation is not a disqualified corporation within the meaning of the WIC Act;
5. no director or person concerned in the management of the applicant corporation is, or would be, a disqualified individual within the meaning of the WIC Act; to the best of my knowledge:
6. I have the authority to make this application on behalf of the applicant (named in the application form accompanying this declaration);

and I make this solemn declaration conscientiously believing the same to be true and by virtue of the provisions of the *Oaths Act 1900* (NSW).

Name of person making the declaration: Andrew P. Butler

Title of person making the application: Director- Mirvac Real Estate Pty Ltd

Signature of person making the declaration: A P Butler

Declared at *[place]*: Level 26, 60 Margaret Street, Sydney NSW 2000

On *[date]*: 5/4/2012

In the presence of *[name of witness]*: NICOLA JANE O'MEARA.

Signature of witness: N O'Meara

Title of witness: NICOLA JANE O'MEARA
Justice of the Peace Registration 107181
in and for the State of New South Wales, Australia
117d Macleay St.
~~Potts Point NSW 2011~~

[Justice of the peace, Solicitor, other (specify)]

8.2 Acknowledgement

An acknowledgement should be provided by:

(a) company secretary and a director, or

(b) 2 directors, or

(c) in the case of a sole director, the sole director, or

(d) such other person that IPART agrees may provide the acknowledgement.

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The applicant (named in the application form accompanying this acknowledgement) agrees to IPART furnishing a copy of the applicant's completed application form, including any confidential information contained in that application form, to:

- the Minister administering the *Water Industry Competition Act 2006* (except Part 3)
- the Minister administering the *Public Health Act 1991* (NSW)
- the Minister administering Chapter 2 of the *Water Management Act 2000* (NSW)
- the Minister administering the *Environmental Planning and Assessment Act 1979* (NSW), and
- the Minister administering the *Protection of the Environment Operations Act 1997* (NSW),

in accordance with section 9(1) of the *Water Industry Competition Act 2006* (NSW) and clause 17 of the *Water Industry Competition (General) Regulation 2008* (NSW).

In the interest of expediting the processing of your application, would you please indicate below whether you agree to a copy of your completed application form (including any confidential information contained in that application form) being provided on a confidential basis directly to relevant departmental staff with responsibility to advise the Ministers named above on issues relating to the provision of water and sewerage services.

☑ **I agree** that a copy of ~~my~~ completed application form (including any confidential information contained in that application form) may be provided to relevant departmental staff as outlined above.

☐ I **do not agree** that a copy of my completed application form (including any confidential information contained in that application form) may be provided to relevant departmental staff as outlined above.

Name of person making the acknowledgement: Robyn Lynette Soranson

Title of person making the acknowledgement: Company Secretary

[~~Director~~ / Company Secretary]

On *[date]*: _____

Signature of person making the acknowledgement: _____

Name of person making the acknowledgement: Andrew P Butler

Title of person making the acknowledgement: Director

[~~Director~~ / ~~Company Secretary~~]

On *[date]*: _____

Signature of person making the acknowledgement: _____

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