# **BASI** Certificate

Building Sustainability Index www.basix.nsw.gov.au

#### Single Dwelling

Certificate number: 1006918S

This certificate confirms that the proposed development will meet the NSW government's requirements for sustainability, if it is built in accordance with the commitments set out below. Terms used in this certificate, or in the commitments, have the meaning given by the document entitled "BASIX Definitions" dated 06/10/2017 published by the Department. This document is available at www.basix.nsw.gov.au

Date of issue: Wednesday, 03 April 2019
To be valid, this certificate must be lodged within 3 months of the date of issue.

| Sw | Planning & Environment |

Secretary

Project summary		
Project name	45 Brinawa Street	
Street address	45 Brinawa Street Mona Vale 2103	Vale 2103
Local Government Area	Northern Beaches Council	≌.
Plan type and plan number	deposited 1098407	
Lot no.	104	
Section no.	1	
Project type	separate dwelling house	3
No. of bedrooms	2	
Project score		
Water	<b>4</b> 0	Target 40
Thermal Comfort	Pass	Target Pass
Energy	52	Target 50

### Certificate Prepared by

Name / Company Name: Efficient Living Pty Ltd

ABN (if applicable): 82116346082

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0	Total area of garden and lawn (m2)
7.0	Unconditioned floor area (m2)
50.0	Conditioned floor area (m2)
60	Roof area (m²)
675	Site area (m²)
	Site details
2	No. of bedrooms
separate dwelling house	Project type
	Project type
1	Section no.
104	Lot no.
Deposited Plan 1098407	Plan type and plan number
Northern Beaches Council	Local Government Area
45 Brinawa Street Mona Vale 2103	Street address
45 Brinawa Street	Project name
	Project address

Energy 62	Thermal Comfort Pass	Water 40	Project score	Area adjusted heating load (MJ/m².year)  44	Area adjusted cooling load (MJ/m².year) 21	Climate zone 56	Certificate number 0003745734	Assessor number BDAV/12/1473	Assessor details and thermal loads	
Target 50	Target Pass	Target 40						3		

Wednesday, 03 April 2019

## Schedule of BASIX commitments

The commitments set out below regulate how the proposed development is to be carried out. It is a condition of any development consent granted, or complying development certificate issued, for the proposed development, that BASIX commitments be complied with.

plans & specs	The applicant must install showerheads with a minimum rating of 4 star (> 6 but <= 7.5 L/min plus spray force and/or coverage tests) in all showers in the development.  The applicant must install a tollet flushing system with a minimum rating of 4 star in each tollet in the development.  The applicant must install taps with a minimum rating of 5 star in the kitchen in the development.  The applicant must install basin taps with a minimum rating of 5 star in each bathroom in the development.  Alternative water  Rainwater tank  The applicant must install a rainwater tank of at least 2000 litres on the site. This rainwater tank must meet, and be installed in accordance with, the requirements of all applicable regulatory authorities.  The applicant must configure the rainwater tank to collect rain runoff from at least 50 square metres of the roof area of the development (excluding the area of the roof which drains to any stormwater tank or private dam).  The applicant must connect the rainwater tank to:  all toilets in the development  the cold water tap that supplies each clothes washer in the development  at least one outdoor tap in the development (Note: NSW Health does not recommend that rainwater be used for human
	plans & specs

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Thermal Comfort Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
Simulation Method			
The applicant must attach the certificate referred to under "Assessor Details" on the front page of this BASIX certificate (the "Assessor Certificate") to the development application and construction certificate application for the proposed development (or, if the applicant is applying for a complying development certificate for the proposed development, to that application). The applicant must also attach the Assessor Certificate to the application for an occupation certificate for the proposed development.			
The Assessor Certificate must have been issued by an Accredited Assessor in accordance with the Thermal Comfort Protocol.			
The details of the proposed development on the Assessor Certificate must be consistent with the details shown in this BASIX certificate, including the Cooling and Heating loads shown on the front page of this certificate.			
The applicant must show on the plans accompanying the development application for the proposed development, all matters which the Assessor Certificate requires to be shown on those plans. Those plans must bear a stamp of endorsement from the Accredited Assessor to certify that this is the case. The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all thermal performance specifications set out in the Assessor Certificate, and all aspects of the proposed development which were used to calculate those specifications.	<	<	<
The applicant must construct the development in accordance with all thermal performance specifications set out in the Assessor Certificate, and in accordance with those aspects of the development application or application for a complying development certificate which were used to calculate those specifications.		<	<
The applicant must construct the floors and walls of the dwelling in accordance with the specifications listed in the table below.	<	<	<

floor - suspended floor/open subfloor  floor - suspended floor above garage  floor - new floor above another dwelling or building  All or part of floor area  All or part of floor area	Floor and wall construction	Area
	floor - suspended floor/open subfloor	All or part of floor area square metres
	floor - suspended floor above garage	All or part of floor area
	floor - new floor above another dwelling or building	All or part of floor area

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Hot water  The applicant must install the following bot water system in the development, or a system with a higher energy rating; gas  The applicant must install the following cooling system, or a system with a higher energy rating; in at least 1 living areas calling fans.  Energy rating; n/a  The applicant must install the following cooling system, or a system with a higher energy rating, in at least 1 living areas calling fans.  The plant of the property of the bedrooms individual fan, ducted to façade or roof, Operation control: manual switch on/off  Kitchen: individual fan, ducted to façade or roof, Operation control: manual switch on/off  Laundry: individual fan, ducted to façade or roof, Operation control: manual switch on/off  Laundry: individual fan, ducted to façade or roof, Operation control: manual switch on/off  Laundry: individual fan, ducted to façade or roof, Operation control: manual switch on/off  Laundry: individual fan, ducted to façade or roof, Operation control: manual switch on/off  Laundry: individual fan, ducted to façade or roof, Operation control: manual switch on/off  Laundry: individual fan, ducted to façade or roof, Operation control: manual switch on/off  Laundry: individual fan, ducted to façade or roof, Operation control: manual switch on/off  Laundry: individual fan, ducted to façade or roof, Operation control: manual switch on/off  Laundry: individual fan, ducted to façade or roof, Operation control: manual switch on/off  Laundry: individual fan, ducted to façade or roof, Operation control: manual switch on/off  Laundry: individual fan, ducted to façade or roof, Operation control: manual switch on/off  Laundry: individual fan, ducted to façade or roof, Operation control: manual switch on/off  Laundry: individual fan, ducted to façade or roof, Operation control: manual switch on/off  Laundry: individual fan, ducted to façade or roof, Operation control: manual switch on/off  Laundry: individual fan, ducted to façade or roof, Operation control: manual switch on/off  Laundry: indiv	< <	< <		the kitchen;
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must install the following cooling system, or a system with a higher energy rating, in at least 1 living area: ceiling fans; n/a must install the following cooling system, or a system with a higher energy rating, in at least 1 living area: ceiling fans; n/a must install the following cooling system, or a system with a higher energy rating, in at least 1 living area: ceiling fans; n/a stem  ste				Artificial lighting
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ommitments Show on CC/CDC DA plans & specs	<	<	<	The applicant must install the following hot water system in the development, or a system with a higher energy rating: gas instantaneous with a performance of 5.5 stars.
Show on CC/CDC DA plans plans & specs				Hot water
	Certifier check	Show on CC/CDC plans & specs	Show on DA plans	Energy Commitments

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Show on CC/CDC plans & specs

Certifier check

#### Legend

In these commitments, "applicant" means the person carrying out the development.

development application is to be lodged for the proposed development). Commitments identified with a 🧼 in the "Show on DA plans" column must be shown on the plans accompanying the development application for the proposed development (if a

certificate / complying development certificate for the proposed development. Commitments identified with a 🥡 in the "Show on CC/CDC plans and specs" column must be shown in the plans and specifications accompanying the application for a construction

final) for the development may be issued. Commitments identified with a 🥔 in the "Certifier check" column must be certified by a certifying authority as having been fulfilled, before a final occupation certificate(either interim or

Certificate No.: 1006918S