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**Document Type**

Green Building Rating Compatibility Analysis

**Document Code**

ES-GSNZ-16-86

**Validity**

	Office 2009 + V3 / Interiors 2009 + V3 / Education 2009 + V3 + V3.1 / Industrial 2009 + V3	✓
	Homestar V2 + V3+V4	✓
	V 1.1	Not applicable
	V3.0	Not yet assessed
	NABERSNZ	Not yet assessed
	Passivhaus	Not yet assessed
	Net Zero NZ	✓

**Client**

Energy Alternatives

**Product Name**

Aquarian Hot Water Heat Pumps

**Product Description**

The Aquarian heat pump water heater range delivers efficiency and affordability to meet home water heating requirements. The All-in-One configuration of stainless steel tank and in-built Panasonic heat pump is easily operated with a user friendly control panel which allows full control of unit operation times, access to lower off peak tariffs and is highly suitable for use with solar power (PV) systems.


**Manner in which the product may contribute towards points**
**Legend of  
Symbols in  
EnviroSpec**

Products must meet specific criteria (e.g. Paint VOC emissions, carpets, etc)



Products may help achieve points by their very nature, if they are specified and installed (e.g. bicycle racks)



Products may help achieve an outcome but they must be used in a specific manner (e.g. This product can contribute towards the outcome but many other products or factor influence that same outcome (E.g. Potable Water Calculator)


**Disclaimer** - Please read this carefully

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Tool	Credit category	Points available	Requirements	Contribution symbol	Contribution Potential	Details of compliance
Green Star NZ Office 2009 + V3	ENE - 1	Conditional Requirement	This credit rewards the use for energy efficient design features and systems in the building.	○	Contribution Factor	Using the nominated product may help provide an energy efficient solution for hot water.  <i>Please note: This explanation is provided as soft guidance only. Actual points and performance in the nominated credits is strongly dependent on many products, systems and design features implemented by the Architects and Engineers.</i>
	ENE - 2	20	This credit rewards the use for energy efficient design features and systems in the building.	○	Contribution Potential	Using the nominated product may help provide an energy efficient solution for hot water.  <i>Please note: This explanation is provided as soft guidance only. Actual points and performance in the nominated credits is strongly dependent on many products, systems and design features implemented by the Architects and Engineers.</i>
Green Star NZ Industrial 2009 + V3  Education 2009 + V3 + V3.1	ENE - 1	10	This credit rewards the use for energy efficient design features and systems in the building.	○	Contribution Potential	Using the nominated product may help provide an energy efficient solution for hot water.  <i>Please note: This explanation is provided as soft guidance only. Actual points and performance in the nominated credits is strongly dependent on many products, systems and design features implemented by the Architects and Engineers.</i>
	ENE - 2	10	This credit rewards the use for energy efficient design features and systems in the building.	○	Contribution Potential	Using the nominated product may help provide an energy efficient solution for hot water.  <i>Please note: This explanation is provided as soft guidance only. Actual points and performance in the nominated credits is strongly dependent on many products, systems and design features implemented by the Architects and Engineers.</i>
Green Star NZ Interiors 2009 + V3	ENE - 1	Conditional Requirement	It is a conditional requirement that a minimum of 3 points are achieved from any one or combination of ENE- 4, ENE-5, ENE-6 and ENE-B.	-	-	This is not applicable to hot water systems.
Homestar (V2 + V3)	EHC-2	4.5	This credit rewards the use of energy efficient water heating solutions.	○	On average between 3.6- 4.3 points ( Using standard sizing estimates)	If appropriately sized, then the use of an Aquarian Heat Pump Water Heater system can assist towards gaining up to 3.6 - 4.3 points in this category. (3.6 in colder climate zones, 4.3 in warmer climate zones in NZ. With an efficient shower head at 7.5 L/min)
Homestar V4	EHC-5	6	This credit rewards the use of energy efficient water heating solutions.	○	Contribution Potential	If appropriately sized, then the use of an Aquarian Heat Pump Water Heater system can assist towards gaining points in this category (lesser points in colder climate zones in NZ.)
SBN Circular Economy Office Model V1.1	-	-		N/A	N/A	This product is not applicable to the scope of this rating system
Net Zero Energy Building	-	-	Achieving Net Zero energy requires a building with low heating and cooling loads to facilitate average annual electrical generation to meet the energy demand. This requires high performance an energy efficient solutions for space and hot water heating.	○	Contribution potential	Aquarian provides an efficient solution to water heating requirements.



# Aquarian Hot Water Heat Pumps - Green Building Summary Sheet -

