

AIMC4 Findings

If you are still not convinced about the benefits of using Waste Water Heat Recovery, perhaps the following case study will help to change your mind.

AIMC4 was a government funded project carried out 2013 to establish and research recipes for achieving Code for Sustainable Homes Level 4 energy standards, using innovative fabric-first solutions.

The consortium comprised of developers Stewart Milne, Barratt Developments and Crest Nicholson who were responsible for the design and build of 17 world class energy efficient homes.

As part of the project, Waste Water Heat Recovery systems, including Power-Pipe, were measured alongside many other technologies.

The results showed that WWHR has much more of an impact on a building's energy efficiency than previously thought. In fact, the findings revealed the performance of WWHR was actually between 1.4 to 2.7 times greater than SAP calculated it to be, making it even more cost-effective.

These results are more consistent with field measurements obtained in Europe and North America where the technology receives higher credits in regulations and codes.

In the two illustrated examples, 35 percent of energy savings were obtained for MEV3, yet SAP only measured 23 percent savings.

For dwelling MEV7C, 41 percent energy savings were obtained but SAP only measured 15 percent savings.

Further information

More information about the project can be found at the website:
www.aimc4.com

Figure 24: Savings from waste water heat recovery per person

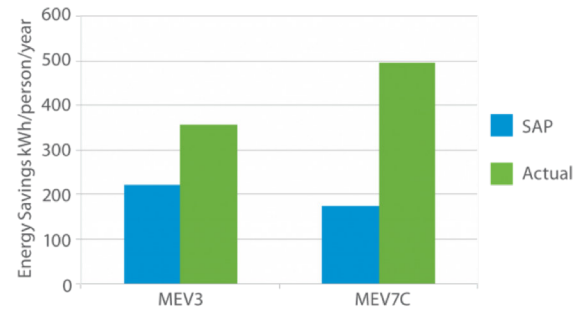
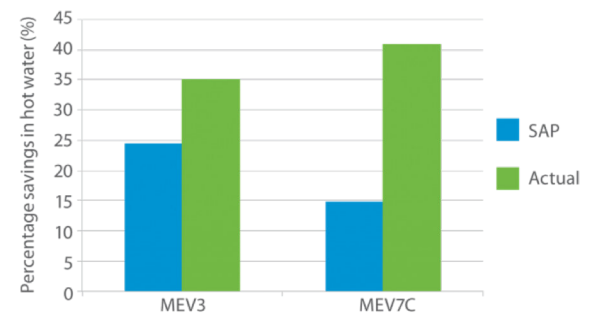


Figure 25: Percentage saving shown in SAP and actual for WWHR



Measured findings showed Power-Pipe WWHR saved up to 500kWh per person per year

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