Retrofit in Rural Communities

+ Regional Retrofit Hubs

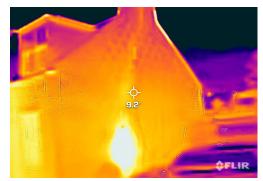
Matthew Clubb







Whole House Retrofit

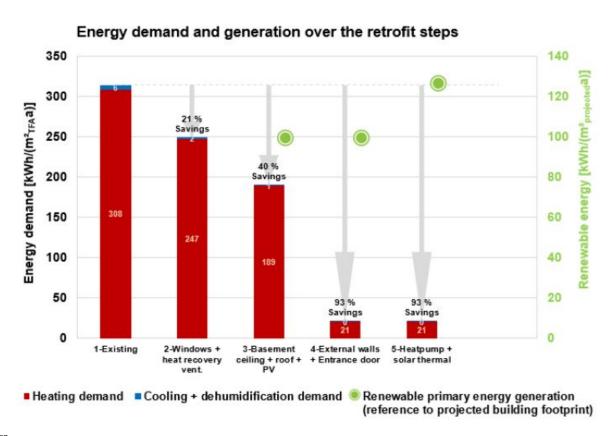








The Retrofit Plan





The Retrofit Process

Survey

Energy Assessment Improvement Option Evaluation

Retrofit Plan Retrofit Design

Installation

Monitoring & Evaluation

Occupant is central Intended Outcomes

Detailed Energy Assessment Thermal Imaging Survey Ventilation Assessment Cost of options Payback periods Carbon cost effectiveness

10-20 year plan Options in order

PAS 2030 Contractors Were the Intended Outcomes achieved?



Community led cooperative

1. Public Awareness





2. Supply Chain and skills





3. Retrofit Plans



Actions

- 1) Regulate Embodied Carbon
- 2) Fund Regional Retrofit Hubs
- 3) Retrofit Plans for every home a place based approach

