



Workshop 1d:

Managing off grid properties: How fuel switching and heat pump technologies provide a solution

Speaker: Mike Trant, DGHP
 Chaired by: Andrew Burke
 Room: Charlecote Room



National Housing Maintenance Forum



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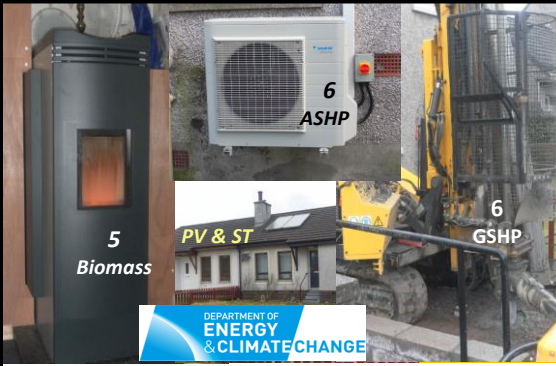
1,000 Air Source Heat Pump






Looking after your world



Dumfries & Galloway - Rural Scotland

Renewable Heat Premium Payment (RHPP 1)





Efficient, clean & saving money....

For the first time in 7 years our home is warm ...

FANTASTIC

Outcome of RHPP 1




Was 7.5T Today 3.1T

The Scottish Government

Energy Efficiency Rating		
Very energy efficient - lower running costs	Current	Potential
(92-100) A		
(81-91) B		
(69-80) C		
(55-68) D		
(39-54) E		
(21-38) F		
(1-20) G		
Not energy efficient - higher running costs		

Environmental Impact (CO ₂) Rating		
Very environmentally friendly - lower CO ₂ emissions	Current	Potential
(93 plus) A		
(81-92) B		
(69-80) C		
(55-68) D		
(39-54) E		
(21-38) F		
(1-20) G		
Not environmentally friendly - higher CO ₂ emissions		

NEW Energy Rating, CO₂ savings, Exceeding Standards & Affordability



Home energy scheme plan

Ambitious plans for Machars town

CESP

CERT_CESP etc.....

DGHP

Energy Performance Certificate (EPC)

British Gas Community grant

Rural Homes – Affordable Warmth & Energy Efficiency

DGHP

Tenants - Road Shows

DGHP

Daikin ASHP's

DGHP

Mission;
to explore new heating technologies,
seek out affordable heating solutions
for our off-gas-main tenants,
to boldly go where few have gone
before.....

DEPARTMENT OF
ENERGY & CLIMATE CHANGE

Why?

$(x + a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$

MCS Installer

Annual heating demand X Seasonal Performance X p X 7 years

12,347 X SP (7,408.2kWh) X p (£540.80) x Y (£3,785.60) – RHI

RHI Legacy - Spring 2014

DGHP

Sustainability - Low Energy Rated Homes

DGHP

MIKE TRANT

Scottish Gas
Looking after your world

DAIKIN

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Thank You

Thank you

DGHP