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**From:** David Gibson  
**Sent:** Thur 4/23/2015 10:34:47 AM  
**Importance:** Normal  
**Subject:** Energy usage on Hotwater heating farms NI and GB and continuous improvement  
**MAIL\_RECEIVED:** Thur 4/23/2015 10:34:48 AM

Barney / Tom

We now have been using hotwater heating as a source of energy to heat our broiler sheds for some time now and I think we all agree that this technology gives a much better environment for the bird and farmer and is a key enabler in our continuous improvement process

We now need to quantify the benefits and the energy and other costs associated with this technology across our growing base from a company perspective

Can you work with Justin to pull together a presentation on this to present at the GM meeting on the 11<sup>th</sup> May initially and then to Alan Gibson at a later date

Key points here will be

1 MP and farmer investment in hotwater heating NI and GB quantified to date

MP AHP run rate

2 Performance improvements attributed to this

3 Energy costs of running the technology – how does this compare with old technology

Electricity units per 100m<sup>2</sup> over a annual cycle

Biomass pellets cost and no of KWH over annual cycle and comparison to old gas system all per 100m<sup>2</sup>

A key fact here will be for us to identify units of energy required to run the system efficiently both fuel ( gas or wood pellet ) and additional electricity costs for pumps etc

This is not the wood pellet used by a contract grower who may also benefit from extra RHI with over use.

Any questions / Queries come back to me

Thanks David.

REDACT