

over 100 kW - woodchip best  
under 100 kW - pellets best

# Heat from Biomass

Alistair McGeehan  
& Chris Johnston

In NI, wood biomass - small to medium scale boiler  
100-500 kW - ideal for leisure centres, schools etc

brush-tops & branches of trees after felling

Case study on Mount Stewart House - National Trust

storage on issue with wood chip

heating system operated by telemetry

fuel delivery - biggest risk

Energy Service Contract (ESCO) -  
(£/kWh basis)

Install boiler, provide fuel, charge on heat used

Current usage 420,000 kWh -  
saved £204,000 - per year

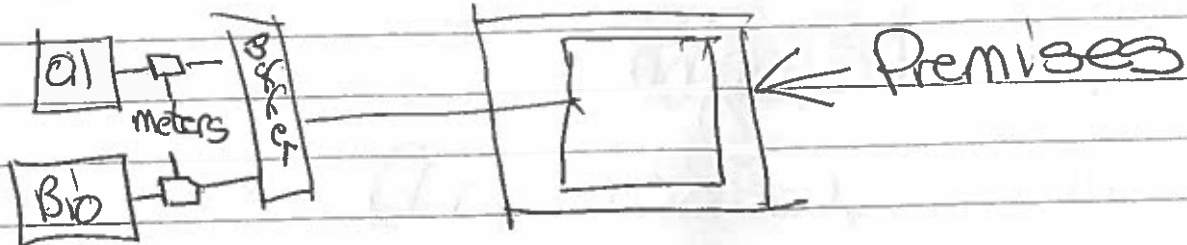
Payback - under 2 years

Mount Stewart - NI would be £6,300 per year

Wood considered to be carbon neutral

Phone Call - Peter Hutchinson 17/10/12

Query about metering - eligibility if  
 the oil boiler & biomass boiler are  
 metered before buffer tank outside premises



Peter content that Ofgem guidance  
 deals with these. No principle that  
 you can't mix renewable & fossil  
 fuel systems.

~~Can't~~ Can't have 2x 99kW boilers ~~as~~  
 as part of same system both  
 claiming higher tariff - must be  
 separate system

If put in 99kW then increase  
 could continue to get higher tariff  
 if increase made in new accreditation  
 period - need circa a year between  
 installation

Grain - issue with eligibility of  
 drying grain if 2 sided side  
 where heat can escape