The first step in determining whether there is a business case for the above sustainable solution is to estimate the total value that might be generated from an Orkney wide DR scheme. The value of anything can only be measured relative to the cost of the alternative. We shall therefore set the incumbent situation on Orkney as our baseline and measure this against the relative value of a DR scheme. The metric of measurement will be the amount of energy curtailed in a year and the value of this energy.

1. How much energy is currently curtailed annually across the Orkney Isles?
2. How much can this be reduced by different levels of DR penetration?
3. How many local households would need to be on our DR scheme in order to supply this level of DR?

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