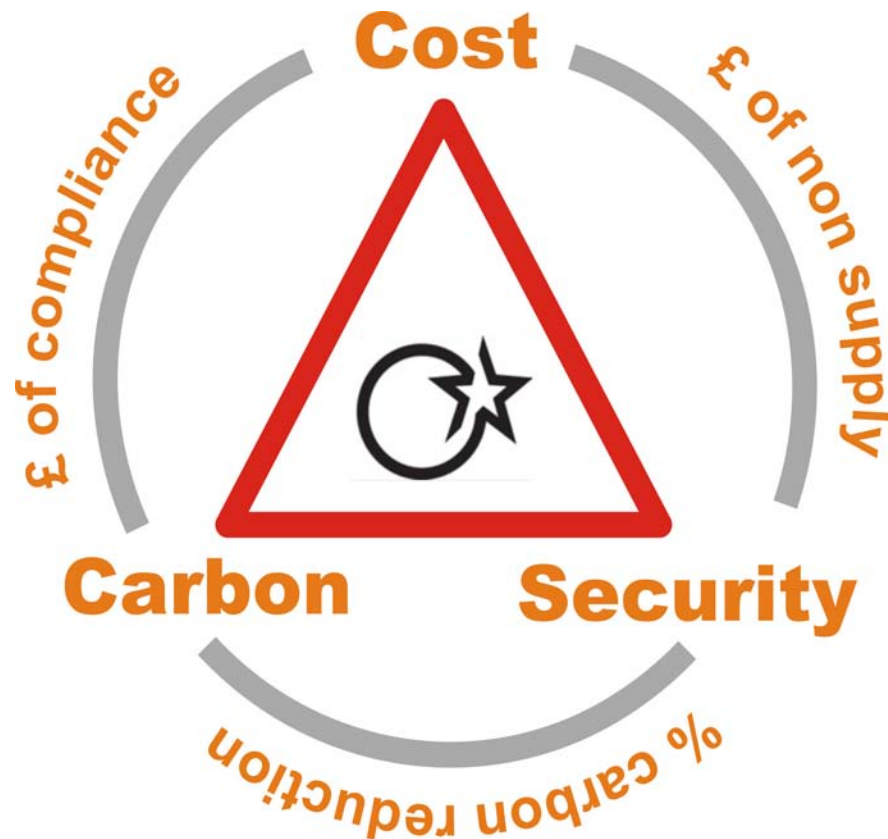


The Future Energy Needs Model



Low Carbon, Affordable Cost, Secure Supply

These three dimensions currently define the strategy to assess the viability of various energy technologies.

The model represents these dimensions as cost, carbon and security. They are “static”, in that there isn’t a unit or set of KPI’s, that assess the compliance of prospective technologies.

What is of more value when assessing energy technologies, we believe, is the “dynamic” metrics in between the static.

These bring a greater fidelity to the assessment and engages a wider range of stakeholders:

“£ of non supply” – *The cost of non supply*

How is “cost” defined in this context and who are the stakeholders affected if the proposed technology fails?

“£ of compliance” – *The cost of compliance*

Does the capital and operational cost of the technology stack up against the amount of carbon reduced and energy produced?

“% Carbon Reduction” – *Percentage carbon reduction*

How much does the proposed technology contribute to a country’s reduction target and does it improve supply security?

