

The image shows a landscape with two large white wind turbines in the sky, one on the left and one on the right. In the foreground, there is an oil pumpjack (jack-o'-lantern) in a field of tall grass and trees. The sky is a clear, light blue. The overall scene suggests a contrast between renewable and fossil fuel energy sources.

The Maths of Net Zero

Source: www.irena.org/energytransition

PGES

Tuesday 13 July 2021

PGES (40th Anniversary) Energy Policy Report

Key elements of the report 'inputs' included:

- **Cross Industry Input**

More engagement and advice from energy industry experts

- **Data**

Agreed metrics to measure carbon & identify highest generators

- **Cost**

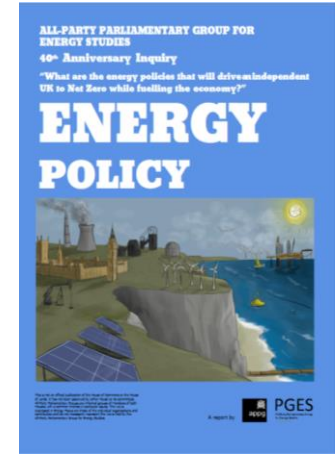
A clear, cost-effective and sustainable Energy Transition Plan for the whole energy supply chain over an achievable time frame (~ 20+ years)

- **Marketing & Education**

- Simple messaging for voter population 'buy in'
- Dedicated research and education programmes to facilitate and sustain an effective Energy Transition

- **Realistic Ambition**

An ambitious vision for UK to lead the World Energy Transition & Resource Recycling with exportable expertise, engineering & services



Summary

1. Energy is the economy, but **not all energy is equal**
2. The economy relies on **reliability & affordable energy**
3. **Reliability & affordability** must be part of the equation as we decarbonise supply
4. Decreases in reliability and/or increases in cost **may undermine the social licence to decarbonise**
(particularly if unfairly burdened)

The '3As'

Achievability, Affordability, Acceptability

1 + ? = 3As

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