**Group Task**

Your group of 8 will be allocated a country and your task for the day is to gather as much information on the eight different energy sources listed in the booklet. You will be required to evaluate the different energy sources to determine the best energy source or energy mix for your allocated country both now and 50 years into the future.

***At the end of the day, your group will be required to give a presentation to offer a contract or contracts to the different energy suppliers who will provide your country’s electrical energy over the next 50 years.***

**Sub tasks:**

**To be completed prior to attending:**

1. Read through the student booklet to familiarise yourself with the (i) task, (ii) terminology, (iii) country data and (iv) alternative energy sources
2. Analyse the data for your country to complete *activity sheet 1. An Overview of your Country*

This information will help guide your decision making regarding energy options

**To be completed on the day:**

*Students work in teams of 8 with a first year engineering student and classroom teacher as mentors.*

*Students attend energy presentations at the start of the day. These presentations are delivered by industry representatives (QMEA sponsors). Students gather as much information regarding that energy and bring this learning back to their groups to share.*

1. You will be split into pairs and attend energy presentations and take notes for each electrical energy source using *activity sheet 2. Evaluating electrical energy sources.*
2. Share information in your group to allow the completion of activity sheet 2.
3. Discuss the pros and cons of the energy sources and the degree to which they are suitable for your allocated country.
4. You will be having short sessions with the energy representatives between 11:00am and 12 Noon. As a group decide on what additional information you require from these representatives use *activity sheet 3. Gathering more information* to assist you.

**Morning Tea**

1. Meet with energy representatives and complete *activity sheet 3. Gathering more information*
2. Discuss the information gathered so far to complete *activity sheet 4. Energy source shortlist* to assist you in deleting energy sources which are not suitable for your country’s needs / resources.
3. Decide on your energy solutions for your country and using *activity sheet 5. Our energy presentation*, prepare your groups presentation

**Lunch**

1. Complete finishing touches on your presentation
2. PRESENTATIONS
3. PRESENTING GROUP - 2 group members present, remaining members field questions from the audience
4. AUDIENCE – jot down key points using *activity sheet 6 Energy solutions*

 each group should prepare questions to ask