**U Gotta Switch**



Communities are concerned about climate change and future energy supplies. The Government has decided to develop renewable energy for some towns to try to provide the greatest possible number of homes with ‘clean’ electricity, at the lowest possible cost.



## It has been decided that

# Hydro Power

is a possible option as a renewable source of energy for

### Cloudy Island

**However** - it is not quite that simple! Different types of renewable energy have their advantages and disadvantages.

They may also have strict requirements to make them work.

Your Green Energy Company has been approached to quote for using hydro power to produce electricity for this area. You must now carry out a study and prepare a report. Any excess energy generated will be sold to the National Grid. 70% of the money from the National Grid can be kept by your Company and 30% must be given to the community.

To help you, you have been given various sheets:

* A map of Cloudy Island
* Information about the location on the map
* A Fact Sheet on Hydro Power

**U Gotta Switch**



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## It has been decided that

# Hydro Power

is a possible option as an alternative source of energy for

Skisdale

**However** - it is not quite that simple! Different types of renewable energy have their advantages and disadvantages.

They may also have strict requirements to make them work.

Your Green Energy Company has been approached to quote for using hydro power to produce electricity for this area. You must now carry out a study and prepare a report. Any excess energy generated will be sold to the National Grid. 70% of the money from the National Grid can be kept by your Company and 30% must be given to the community.

To help you, you have been given various sheets:

* A map of the Skisdale area
* Information about the location on the map
* A Fact Sheet on Hydro Power

Hydro Note Maker



To help you prepare the final report from your Company you should make brief notes on using this renewable energy option in your area.

These could include:

* A brief description of how it works
* Why this method is suitable to use here
* How much space will be needed for it
* A rough idea of how much it would cost
* Where the power plant will be built
* Why you want to build it there
* Any environmental issues arising

Other points you may need to consider:

* **Visual impact** – will it be a ‘blot on the landscape’?
* **Natural heritage** – how might it affect plants and animals?
* **Human activity** – will it cause difficulties for people? Who will you need to consult?
* **Archaeology** – are there important historic sites nearby?
* **Road access** – is your proposed site accessible?
* **Electricity transport** – if your site is remote, you will need more power lines to take the electricity to peoples’ homes

**Remember** – there are no right or wrong answers. Discuss the issues carefully among your group – you may need to make compromises!

**U Gotta Switch**



Communities are concerned about climate change and future energy supplies. The Government has decided to develop renewable energy for some towns to try to provide the greatest possible number of homes with ‘clean’ electricity, at the lowest possible cost.



## It has been decided that

# Solar Power

is a possible option as a renewable source of energy for

### Sun City

**However** - it is not quite that simple! Different types of renewable energy have their advantages and disadvantages.

They may also have strict requirements to make them work.

Your Green Energy Company has been approached to quote for using solar power to produce electricity for this area. You must now carry out a study and prepare a report. Any excess energy generated will be sold to the National Grid. 70% of the money from the National Grid can be kept by your Company and 30% must be given to the community.

To help you, you have been given various sheets:

* A map of Sun City and the area around it
* Information about the location on the map
* A Fact Sheet on Solar Power

**U Gotta Switch**



Communities are concerned about climate change and future energy supplies. The Government has decided to develop renewable energy for some towns to try to provide the greatest possible number of homes with ‘clean’ electricity, at the lowest possible cost.



## It has been decided that

# Solar Power

is a possible option as an alternative source of energy for

Surfsville

**However** - it is not quite that simple! Different types of renewable energy have their advantages and disadvantages.

They may also have strict requirements to make them work.

Your Green Energy Company has been approached to quote for using solar power to produce electricity for this area. You must now carry out a study and prepare a report. Any excess energy generated will be sold to the National Grid. 70% of the money from the National Grid can be kept by your Company and 30% must be given to the community.

To help you, you have been given various sheets:

* A map of Surfsville and the area around it
* Information about the location on the map
* A Fact Sheet on Solar Power

Solar Note Maker



To help you prepare the final report from your Company you should make brief notes on using this alternative energy option in your area.

These could include:

* A brief description of how it works
* Why this method is suitable to use here
* How much space will be needed for it
* A rough idea of how much it would cost
* Where the power plant will be built
* Why you want to build it there
* Any environmental issues arising

Other points you may need to consider:

* **Visual impact** – will it be a ‘blot on the landscape’?
* **Natural heritage** – how might it affect plants and animals?
* **Human activity** – will it cause difficulties for people? Who will you need to consult?
* **Archaeology** – are there important historic sites nearby?
* **Road access** – is your proposed site accessible?
* **Electricity transport** – if your site is remote, you will need more power lines to take the electricity to peoples’ homes

**Remember** – there are no right or wrong answers. Discuss the issues carefully among your group – you may need to make compromises!

**U Gotta Switch**



Communities are concerned about climate change and future energy supplies. The Government has decided to develop renewable energy for some towns to try to provide the greatest possible number of homes with ‘clean’ electricity, at the lowest possible cost.



## It has been decided that

# Wave Power

is the most favoured option as a renewable source of energy for

### Cloudy Island

**However** - it is not quite that simple! Different types of renewable energy have their advantages and disadvantages.

They may also have strict requirements to make them work.

Your Green Energy Company has been approached to quote for using wave power to produce electricity for this area. You must now carry out a study and prepare a report. Any excess energy generated will be sold to the National Grid. 70% of the money from the National Grid can be kept by your Company and 30% must be given to the community.

To help you, you have been given various sheets:

* A map of Cloudy Island
* Information about the location on the map
* A Fact Sheet on Wave Power

**U Gotta Switch**



Communities are concerned about climate change and future energy supplies. The Government has decided to develop renewable energy for some towns to try to provide the greatest possible number of homes with ‘clean’ electricity, at the lowest possible cost.



## It has been decided that

# Wave Power

is a possible option as an alternative source of energy for

### Surfsville

**However** - it is not quite that simple! Different types of renewable energy have their advantages and disadvantages.

They may also have strict requirements to make them work.

Your Green Energy Company has been approached to quote for using wave power to produce electricity for this area. You must now carry out a study and prepare a report. Any excess energy generated will be sold to the National Grid. 70% of the money from the National Grid can be kept by your Company and 30% must be given to the community.

To help you, you have been given various sheets:

* A map of Surfsville and the area around it
* Information about the location on the map
* A Fact Sheet on Wave Power

Wave Note Maker



To help you prepare the final report from your Company you should make brief notes on using this alternative energy option in your area.

These could include:

* A brief description of how it works
* Why this method is suitable to use here
* How much space will be needed for it
* A rough idea of how much it would cost
* Where the power plant will be built
* Why you want to build it there
* Any environmental issues arising

Other points you may need to consider:

* **Visual impact** – will it be a ‘blot on the landscape’?
* **Natural heritage** – how might it affect plants and animals?
* **Human activity** – will it cause difficulties for people? Who will you need to consult?
* **Archaeology** – are there important historic sites nearby?
* **Road access** – is your proposed site accessible?
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**Remember** – there are no right or wrong answers. Discuss the issues carefully among your group – you may need to make compromises!



**U Gotta Switch**

Communities are concerned about climate change and future energy supplies. The Government has decided to develop renewable energy for some towns to try to provide the greatest possible number of homes with ‘clean’ electricity, at the lowest possible cost.



## It has been decided that

# Wind Power

is a possible option as a renewable source of energy for

### Sun City

**However** - it is not quite that simple! Different types of renewable energy have their advantages and disadvantages.

They may also have strict requirements to make them work.

Your Green Energy Company has been approached to quote for using wind power to produce electricity for this area. You must now carry out a study and prepare a report. Any excess energy generated will be sold to the National Grid. 70% of the money from the National Grid can be kept by your Company and 30% must be given to the community.

To help you, you have been given various sheets:

* A map of Sun City and the area around it
* Information about the location on the map
* A Fact Sheet on Wind Power

**U Gotta Switch**



Communities are concerned about climate change and future energy supplies. The Government has decided to develop renewable energy for some towns to try to provide the greatest possible number of homes with ‘clean’ electricity, at the lowest possible cost.

## It has been decided that



# Wind Power

is a possible option as an alternative source of energy for

### Skisdale

**However** - it is not quite that simple! Different types of renewable energy have their advantages and disadvantages.

They may also have strict requirements to make them work.

Your Green Energy Company has been approached to quote for using wind power to produce electricity for this area. You must now carry out a study and prepare a report. Any excess energy generated will be sold to the National Grid. 70% of the money from the National Grid can be kept by your Company and 30% must be given to the community.

To help you, you have been given various sheets:

* A map of the Skisdale area
* Information about the location on the map
* A Fact Sheet on Wind Power

**U Gotta Switch**



Communities are concerned about climate change and future energy supplies. The Government has decided to develop renewable energy for some towns to try to provide the greatest possible number of homes with ‘clean’ electricity, at the lowest possible cost.

## It has been decided that



# Wind Power

is a possible option as an alternative source of energy for

### Cloudy Island

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Your Green Energy Company has been approached to quote for using wind power to produce electricity for this area. You must now carry out a study and prepare a report. Any excess energy generated will be sold to the National Grid. 70% of the money from the National Grid can be kept by your Company and 30% must be given to the community.

To help you, you have been given various sheets:

* A map of Cloudy Island
* Information about the location on the map
* A Fact Sheet on Wind Power

**U Gotta Switch**



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## It has been decided that

# Wind Power

is a possible option as an alternative source of energy for

### Surfsville

**However** - it is not quite that simple! Different types of renewable energy have their advantages and disadvantages.

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Your Green Energy Company has been approached to quote for using wind power to produce electricity for this area. You must now carry out a study and prepare a report. Any excess energy generated will be sold to the National Grid. 70% of the money from the National Grid can be kept by your Company and 30% must be given to the community.

To help you, you have been given various sheets:

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* Information about the location on the map
* A Fact Sheet on Wind Power

Wind Note Maker



To help you prepare the final report from your Company you should make brief notes on using this alternative energy option in your area.

These could include:

* A brief description of how it works
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* How much space will be needed for it
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