



npower Energy Challenge

– part of the npower
Brighter Futures programme



For more information, videos and to apply please visit www.brightergraduates.com/energychallenge

The Competition

The energy crisis is rarely out of the news. But what is the solution? How can we balance the UK's energy needs with responsible climate management? Well, that's where you come in. At RWE npower, we hold an annual inter-university competition to find the finest minds in engineering, science and business in their penultimate or final year of undergraduate study at a UK or German university.

In teams of 4, with the help of your supporting lecturer, we want you to develop a solution to the challenge question. If that wasn't enough, we want you to fit all your pearls of wisdom into a presentation - using whichever presentation aids and media you think will help you make your case more effectively.

How the competition works

- Form a team.
- Pre-register your team (see below).
- Submit a 500 word summary of your ideas.
- A shortlist of approximately 24 teams will be invited to regional heats to make a 6 minute presentation based on the ideas expressed in the summary.
- Up to 8 teams will be invited to the final.
- At the final, each of the teams will extend their presentation to 8 minutes.
- A first, second and third place team will be selected.

Each member of your team may be from different departments or year groups, however, each team must have at least one team member who is studying an engineering, science or business related degree and the lecturer supporting your team must be from the department of at least one team member - the lecturer's role will simply be to provide support and guidance. It will be up to you and your team members to provide all the thinking and of course, deliver your presentation.

The challenge is an invaluable networking opportunity for participants to meet with RWE npower staff from across the UK & Germany. It also adds a practical dimension to participants' studies and the all-important commercial

awareness so many employers seek. This is a dynamic time to be involved in the energy industry and calls for the finest minds in engineering, science and business. Full terms and conditions appear at the end of this e-booklet.



The Question

'How should a power generation & supply company respond to climate change?'

When looking for a resolution teams must consider the following:

- affordability
- public perception of your solution
- areas of security of supply
- sustainability
- customer loyalty & retention



Selecting the winning team

Regional Heats

To make it as easy as possible to enter there will be three regional heats. One heat will be held in Germany at a central venue in December (on a date and venue to be advised, at the discretion of RWE npower) for German entrants and there will be two heats in February (on dates to be advised, at the discretion of RWE npower) for UK entrants, one at Didcot power station in Oxfordshire and the other at the RWE npower facility TSG Ferrybridge near Leeds. The allocation of teams getting through to the heats to either UK location will be at the discretion of RWE npower.

Judged on each team's 500 word application form summary, 16 UK teams will be invited to participate at the regional heats and 6 teams from Germany at which they will be required to make a 6 minute presentation based on their application form.

Your 6 minute presentations will be judged by a panel of technical and commercial experts from RWE npower. The panel will consider the originality and creativity of your solution (including both technical and commercial viability), your ability to apply academic theory to a practical solution, and of course, your presentation and time keeping skills. As noted above, the judges will be looking for solutions that deal with:

- affordability
- public perception of your solution
- areas of security of supply
- sustainability
- customer loyalty & retention

Just to warn you, there will also be 5 minutes of questioning from the panel at the end of your presentation.

Up to 3 teams from each of the 3 regional heats will be selected to attend the Wembley final, but a maximum of 8 teams in total will go through to the final.

The Final

The teams, their sponsoring lecturers and a limited number of guests will attend the npower Energy Challenge Final on 15 March 2010 at Wembley Stadium. Although the judging criteria remain the same, teams will be presenting their solutions to a new set of judges (the RWE npower Executive board) and will be permitted to extend their final presentations to 8 minutes to incorporate any development of ideas and feedback given by judges at the regional heats.

Each winning team member will win £1250 and the team will win an additional £5000 for the academic department of the supporting lecturer. There will be runner up cash prizes for the second and third placed teams as follows:

- 2nd place - Individual cash prize of £350 per team member (total prize of £1400)
- 3rd place - Individual cash prize of £150 per team member (total prize of £600)

About npower Brighter Futures:
npower Brighter Futures brings under one umbrella npower's education programmes - from primary schools through to universities.

Our programmes focus on either:

- environmental education - energy generation, energy efficiency, climate change and sustainability
- our commitment to increase the pool of young talent in Science, Technology, Engineering and Maths; or
- meeting the recruitment challenges we face in the energy industry.

To find out more visit www.npowerbrighterfutures.com



How to enter

Please apply via the application form on the website:
www.brightergraduates.com/energychallenge

Pre-register your team

We would advise that teams entering the German heat pre-register by 5.00 pm on Friday 13 November 2009 and UK teams by 5.00 pm on Tuesday 1 December 2009. To pre-register please send the team name, university, team captain's name and contact details, and names of the team members to energychallenge@groupgti.com

Prepare your entry

All German teams should submit their completed application online by 6pm on Thursday 26 November 2009. All UK teams should submit their completed application online by 5pm on Friday 22 January 2010. If you are a final year student you will need to balance entering this competition with your finals or submitting your dissertation as the winning team will be going to the final in March 2010.

Your entry must include the names of the team members and an agreement via the website from the team captain confirming that all team members have agreed to the terms and conditions. All team members will be required to confirm their compliance with the competition terms and conditions in writing upon request by RWE npower.

Selection

Our judges will go through all the entries and select the teams for the regional heats. For the German heats we'll let you know by 6pm on Friday 27 November 2009 and for the UK heats 5pm on Tuesday 26 January 2010 whether or not your team has been short listed. We will be filming and photographing the regional heats and the final and may use some of the images for our websites plus other related publicity. e.g. www.brightergraduates.com/energychallenge

The judges' decision is final.



npower

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RWE npower Energy Challenge

The competition is open to all undergraduate penultimate and final year students in the academic year starting September 2009, studying at university in the UK or Germany. Students can participate regardless of their degree discipline however each team must have at least one team member who is studying an engineering, science or business related degree.

The minimum entry age for each team member is 18 as at 1 September 2009. All team members must be from the same university.

In the absence of any negligence of the Promoter, entry to and participation in any stage of the competition is entirely at each entrant's risk.

Multiple teams from one university can submit an entry, but:

- a student may not be involved in more than one team
- it is possible that only one team will be selected from each university and npower reserves the right to exercise its discretion in this way
- by entering the competition the teams confirm that they will be available to attend, if selected, the regional and final heats of the competition. RWE npower retains the right to disqualify a team if any of its members is unable to attend the final.

Please note that teams or individuals who have previously entered the npower Energy Challenge are free to do so again this year but must make significant changes to any previous entries as well as meet the terms and conditions.

We would advise that teams entering the German heat pre-register by 5pm on Friday 13 November 2009 and teams entering the UK heats pre-register by 5pm on Tuesday 1 December 2009. To pre-register please send the team name, university, team captain's name and contact details, and names of the team members to energychallenge@groupgti.com.

The contents of each application form summary submitted as an entry and each presentation based on such entry must be original, unpublished and the work of the submitting team only. Teams will be required (following the closing date applicable to the entering team and prior to progressing further in the competition) to submit a declaration form signed by all the relevant students to confirm that and their understanding of and compliance with the terms and conditions.

Responsibility cannot be accepted for lost, delayed or damaged entries. Proof of submission is not proof of receipt. Teams that do not get their entries in by the relevant closing date will be excluded from the competition. Incomplete, illegible or altered entries and any not in accordance with the entry instructions or terms and conditions are invalid and such entry will be excluded from the competition.

Entries will not be returned. RWE npower may publish, reproduce or copy entries in any medium to promote the competition and/or other climate change / sustainability initiatives. Please ensure you keep a copy for yourself.

Judging Stage 1 – 500 word application

Once stage 1 of the competition closes in Germany on Thursday 26 November 2009 and in the UK on Friday 22 January 2010, valid entries will be sorted and judged. A maximum of 24 teams will be invited to attend a German or UK heat.

Teams should base their 500 word written submission on the criteria noted under the section 'Regional Heats'.



The judges will be looking for solutions that deal with:

- affordability
- public perception of your solution
- areas of security of supply
- sustainability.
- customer loyalty & retention

The 24 teams will be chosen at the discretion of the judging panel, whose decision is final. No correspondence will be entered into. For the German heats we'll let you know by 6pm on the Friday 27 November 2009 and for the UK heats by 5pm on Tuesday 26 January 2010 whether or not your team has been short listed.

Judging stage 2 – Regional Heats

RWE npower may publish, film, photograph, record, reproduce or copy entries and presentations in any medium to promote the competition and/or other climate change / sustainability initiatives.

Please note that up to 3 teams from each of the 3 regional heats will be selected at this stage of the competition to progress to the final. Teams are expected to make their own travel arrangements, using the cheapest method and leaving the lowest carbon footprint, and travel expenses will be reimbursed up to a maximum £250 per team. Based on the same criteria used throughout, the teams will be chosen at the discretion of the judging panel, whose decision is final. No correspondence will be entered into.

Judging stage 3 – the Final

Teams are expected to make their own travel arrangements, using the cheapest method and leaving the lowest carbon footprint, and travel expenses will be reimbursed up to a maximum £250 per team.

Each team will present their solutions in 8 minutes to the RWE npower Executive board. Standard AV equipment will be provided and filming of the event and photography will take place. There will also be an audience in attendance.

Based on the same criteria used throughout, the winning teams will be chosen at the discretion of the judging panel, whose decision is final. No correspondence will be entered into.

Prize

The prizes listed will be presented by cheque at the final.

Important – please note!

Further terms and conditions

Please read the terms and entry requirements carefully as RWE npower will only consider submissions and presentations which conform to these rules.

By entering this competition, all teams and team members agree to accept and be bound by these terms and conditions.

Team members may not include any person who has worked for or is related to an employee of RWE AG in Germany or RWE Npower plc in the UK or any of their associated companies or any other company connected with the competition. Entries must not be in breach of any third party right and must be the entering team's undisputed work. Entrants must acquire the written consent of any relevant rights owner in respect of their entries.

RWE npower will not be obliged to contact any team that has not progressed in the competition.

The winning team will be required to co-operate fully with RWE Npower plc in connection with any promotion or publicity of the competition or future competitions.

Events may occur that render the occurrence of any part of the competition impossible due to reasons beyond the control of RWE Npower plc and RWE Npower plc may, at its absolute discretion, vary, amend, suspend or withdraw the competition with or without notice.

RWE Npower plc will use the personal details of entrants only for the purposes of this competition. Personal details will not be kept on file by RWE Npower plc and will not be passed onto any third parties.

RWE Npower plc's decisions at any point in the competition are final and no correspondence will be entered into in relation to the competition.

RWE Npower plc reserve the right to exclude a team in the event that any team or its team members bring the competition or any element of it or npower or any other party connected with the competition into disrepute.

The Promoter is RWE Npower plc (Company registration number 3892782). Registered office Windmill Hill Business Park, Whitehill Way, Swindon SN5 6PB.

