

npower – investing in the community

The RWE npower project team is working hard to ensure we make a positive contribution in the communities surrounding our power station site and build active partnerships with local groups.



Andy Smith, RWE npower Project Development Manager, presenting a cheque to Nick Ainger MP

As part of this commitment, we recently donated £5,000 to the Pembrokeshire Coastal Forum. We welcome the opportunity to be involved in the Forum's efforts to bring together individuals and communities to ensure that the diverse demands on the coast are managed in an integrated way. This included sponsorship of the Forum's recent Coastal Access event – a free event to enable people to better understand how they can get the most from the county's beautiful coastline.

Education is a key area of investment for RWE npower and we have a comprehensive education programme which last year helped over 20,000 students across the UK learn about energy and power.

In early April, the Welsh launch of our Greener Schools programme took place at three schools in Pembrokeshire: Hubberston Church in Wales Primary School in Milford Haven, Pennar Community



Children from Hubberston Primary School enjoying the activities



Children from Stackpole Primary School with npower apprentices

Contact us...

Throughout the process of developing a new power station at our Pembroke site, RWE npower is committed to keeping local people informed and taking their opinions into consideration.

If you have any questions, concerns or comments, or if there is anything that you would like us to be aware of, then please contact us.

Email us at pembroke@rwenpower.com, write to us at Freeport RRG-AZTG-JLJX, Camargue (RWE npower), Eagle Tower, Montpellier Drive, Cheltenham, GL50 1TA or leave a message on the Pembroke information line on 0845 136 0102 and we will respond as quickly as possible.

www.rwenpower.com/pembroke

Meet the team – An interview with Andy Smith, Project Development Manager



What is your role at Pembroke?

I am RWE npower's Project Development Manager with responsibility for managing the ongoing activities that are required to enable the construction of the new power station to go ahead. This includes things like site preparation works and preliminary design work. A key part of my role is representing the project in our discussions with the local community and their representatives and I've been really pleased by the interest being shown in the new power station.

How are you keeping the local community up to date with your plans?

We have recently run a programme of meetings with the Town and Community Councils in the vicinity of our site. This gave us the opportunity to discuss our proposals with community representatives and listen to and address any comments, concerns and queries they raised.

These meetings will be followed by a series of public exhibitions where members of the project team will be on hand to meet members of the public in person and answer questions. We'll be announcing the dates of these exhibitions shortly in the local press.

We have also begun to issue a quarterly newsletter – this is the second issue – distributed to residents living in the area around the site of the proposed power station which provides updates and information about our plans. Anyone wishing to contact us can use the dedicated email address, postal address or telephone information line, details of which are on the back page of this newsletter.

What impact would a new power station have on the local economy?

A new power station would make a significant economic contribution to the local area. The construction of the proposed power station would involve a workforce of up to 1,500 and once operational, up to 100 long-term, high quality jobs would be created at the plant.

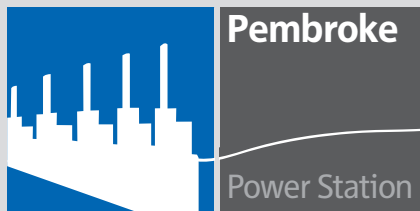
The power station would be a large investment, costing around £800 million to construct and it is estimated that, once in operation, it could bring a long-term benefit to the local economy of around £10 million each year.

How will the community benefit from this project?

A significant proportion of the overall project cost will be spent on UK contracts, representing a valuable opportunity for local contractors and suppliers to be involved in the project.

In addition, through an agreement with Pembrokeshire County Council, we will be contributing to the costs of improvements to the local road infrastructure in the vicinity of the site. This will help to alleviate some of the existing bottlenecks for the benefit of both the project and other road users.

We will also establish a community fund through which RWE npower will continue to sponsor and support local groups and events which bring a benefit to the community at large.



Investing in Wales

RWE npower has a proud connection with generating electricity in Wales:

- We recently celebrated 100 years of power generation at Cwm Dylli and Dolgarrog hydroelectric power stations.
- Aberthaw Power Station was commissioned in 1971 and supports the Welsh economy by spending around £50 million each year on Welsh coal.
- We are investing £100 million on Flue Gas Desulphurisation technology at Aberthaw which will cut sulphur dioxide emissions by 95% and we also plan to build the UK's first carbon capture pilot plant there.
- We operate the UK's first major offshore wind farm at North Hoyle.
- A new, £190 million offshore wind farm is under construction at Rhyl Flats.
- We are part of the award winning Warm Wales partnership with local authorities in Neath, Port Talbot and Wrexham to help some of our most vulnerable customers reduce their energy costs through efficiency improvements

Meet the npower team

To give you an opportunity to get an update about our plans, we would like to invite you to come along to our 'meet the npower team' events. We'll be announcing the dates soon in the local press and if you send us your contact details, we'll keep you informed. See the back page for our contact information.

Safety first

Throughout the development of the proposed new Pembroke Power Station, health and safety considerations have been at the top of the agenda and will continue to be so for the life of the project.

We consider health and safety to be a key priority in everything that we do and we're proud that our performance in this crucial area has been recognised with a number of Royal Society for the Prevention of Accidents (RoSPA) Occupational Health and Safety Awards. Last year, RWE npower received four RoSPA President's Awards and four Gold Medals, two of which were for our existing gas-fired power stations.

Keeping the air clean

Protecting the environment is very important and RWE npower is committed to minimising the environmental impact of everything we do – especially when developing a new power station.

The new Pembroke Power Station would use natural gas which is one of the cleanest fossil fuels. The main products of the combustion of natural gas are carbon dioxide (CO₂), water vapour and nitrogen oxides (NOx). The plant would be fitted with the latest technology combustion system to minimise the production of NOx.



Photomontage of the proposed power station from Milford Haven.

This proven track record in health and safety would continue at Pembroke Power Station. Large-scale CCGT technology has been in use in the UK since the early 1990s and the country's gas-fired power stations have an excellent safety record. To ensure that this remains the case, a wide range of important safety measures would, as a matter of course, be included in the design of our Pembroke plant. For example, if the need arises, the fuel supply to the power station could be quickly shut off by the closure of a remotely operated isolation valve at the Waterston end of the South Haven Gas Pipeline. Similarly, the power station could be safely disconnected from

We consider health and safety to be a key priority in everything we do

the electricity grid in just fractions of a second and the power station design includes automatic protection systems that would shut the plant down if unexpected operating conditions were detected.

The natural gas required to fuel the power station would be supplied through the new South Haven Gas Pipeline and as a result there will be no storage of significant quantities of fuel on the site.

reducing the emissions linked to climate change.

Modelling work carried out for the purposes of the Environmental Statement, has shown that even when the power station is operating at full output, there will be no significant impact on local air quality. In fact, air quality in the region of the power station will remain well within strict UK and European standards for the protection of both human health and vegetation.

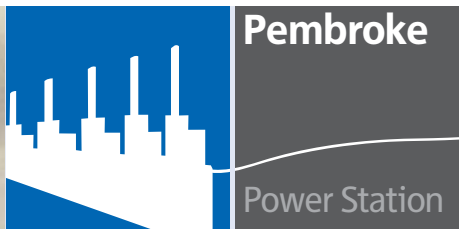
There is no ash or dust produced and natural gas contains virtually no sulphur.

Generating electricity from gas is more efficient than other fossil fuels and gas also contains less carbon than coal. These two factors result in gas-fired power generation producing around half the CO₂ emissions when compared to the same amount of electricity generated from existing coal fired power stations. With many coal fired power stations set to close over the next 10 to 15 years, new gas fired power stations like the proposed Pembroke Station, will make a significant contribution towards

npower in the community



Photomontage of the proposed power station from Llanstadwell



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Power Station Update

In March, the Pembrokeshire County Council Planning and Rights of Way Committee considered RWE npower's application for a new gas-fired power station at its site near Pembroke. The Committee unanimously concluded that the Council should raise no objections to the proposals.

On 8th April, Pembrokeshire County Council's Planning and Rights of Way Committee voted to grant permission for the South Haven Gas Pipeline which will connect to the National Grid National Transmission System and transport natural gas fuel to the power station.

The Committee's decisions reflect the high level of support that the project has in the

local area and recognises the benefits that a new power station will bring to Pembrokeshire.

Tim Calver, RWE npower's New Build CCGT Project Director said: "We welcome the Council's decisions which are two important steps forward for the project. A new power station will bring significant investment and opportunities to the area."

Although these are significant steps forward in the progress of RWE npower's proposals, there remain some further steps to be achieved before construction of the power station can begin. The Government's Department for Business, Enterprise and Regulatory Reform (BERR) will now consider the application, taking into account

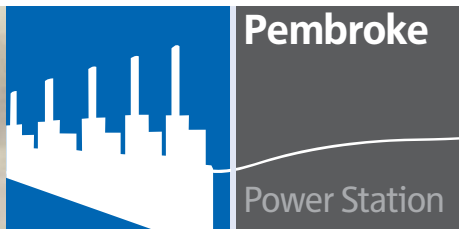
Pembrokeshire County Council's decision and responses from the other statutory consultees, before making its ultimate determination under Section 36 of the Electricity Act 1989. Subject to the appropriate consent from BERR, RWE npower plans to begin construction before the end of 2008.

Newsflash

In early April, npower launched its Greener Schools programme in Wales with events at three Pembrokeshire schools. For more information and photos turn to the back page.



npower yn y gymuned



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Montage ffotograffig o'r orsaf bŵer arfaethedig o Lanstadwel

Diweddariad ynghylch yr Orsaf Bŵer

Yn mis Mawrth, fe wnaeth Pwyllgor Cynllunio a Hawliau Tramwy Cyngor Sir Penfro ystyried cais RWE npower am orsaf bŵer nwy newydd ar ei safle ger Penfro. Daeth y Pwyllgor i benderfyniad unfrydol na ddylai'r Cyngor wrthwynebu'r cynigion.

Ar 8 Ebrill, fe wnaeth Pwyllgor Cynllunio a Hawliau Tramwy Cyngor Sir Penfro bleidleisio o blaid caniatáu Piblinell Nwy South Haven a fydd yn cysylltu â System Trawsyrur'r Grid Cenedlaethol a chludo tanwydd nwy naturiol i'r orsaf bŵer.

Mae penderfyniad y pwyllgor yn adlewyrchu'r lefel uchel o gefnogaeth sydd gan y prosiect yn yr ardal leol, gan gydnabod y manteision a ddaw i Sir



Benfro yn sgil gorsaf bŵer newydd. Dywedodd Tim Calver, Cyfarwyddwr Prosiect CCGT Newydd RWE npower: "Rydym yn croesawu penderfyniadau'r Cyngor, sy'n ddau gam pwysig ymlaen yn natblygiad y prosiect. Mi fydd gorsaf bŵer newydd yn dod â buddsoddiad a chyfleoedd sylweddol i'r ardal."

Er bod y rhain yn gamau sylweddol ymlaen yng nghynnydd cynigion RWE npower, mae angen cyflawni camau pellach cyn i waith adeiladu'r orsaf bŵer fynd yn ei flaen. Mi fydd Adran Busnes, Menter a Diwygio Rheoleiddio (BERR) y Llywodraeth nawr yn ystyried y cais, gan roi ystyriaeth i benderfyniad Cyngor Sir Penfro ac ymatebion ymgynghorai statudol, cyn dod i benderfyniad terfynol dan Adran 36 Deddf

Newyddion pwysig

Ar ddechrau Ebrill fe wnaeth npower lansio ei raglen 'Ysgolion Gwyrdd' yng Nghymru gyda diawyddiadau mewn tair ysgol yn Sir Benfro. Mae yna fwy o fanylion a lluniau ar y dudalen gefn.



Diogelwch yn gyntaf

Drwy gydol datblygiad Gorsaf Bŵer newydd arfaethedig Penfro, rhoddwyd yr ystyriaeth flaenaf i iechyd a diogelwch ac mi fydd yn parhau ar frig yr agenda drwy gydol cyfnod y prosiect.

Rydym yn ystyried iechyd a diogelwch yn flaenoriaeth allweddol ym mhob peth a wnawn ac rydym yn ymfalchïo bod ein perfformiad yn y maes hanfodol hwn wedi derbyn cydnabyddiaeth, drwy nifer o Wobrau Iechyd a Diogelwch Galwedigaethol RoSPA. Llynedd, fe wnaeth RWE npower dderbyn pedair Gwobr gan Lywydd RoSPA a phedair Gwobr Aur, dau ohonynt am ein gorsafodd pŵer nwy presennol.

Mi fyddai'r safon hwn mewn iechyd a diogelwch yn parhau yng Ngorsaf Bŵer Penfro. Defnyddiwyd technoleg CCGT ar raddfa fawr yn y DU ers dechrau'r 1990au ac mae gan orsafoedd pŵer nwy'r wlad, hanes rhagorol yn nhermau diogelwch. Er mwyn sicrhau bod hyn yn parhau, mi fyddai ystod eang o fesurau pwysig, yn eu tro, yn cael eu cynnwys yng nghamau cynllunio ein gorsaf ym Mhenfro. Er enghraifft, pe byddai angen, mi fyddai modd troi'r cyflenwad tanwydd i'r orsaf bŵer i ffwrdd yn gyflym drwy gau falf ynysu sy'n cael ei rheoli o bell, o ochr Piblinell Nwy South Haven yn Waterstone. Yn yr un modd, mi fyddai modd datgysylltu'r orsaf bŵer o'r grid trydan mewn ffraisiwn o eiliad, ac mae cynlluniau'r orsaf bŵer yn

cynnwys systemau diogelu awtomatig a fyddai'n medru cau'r gwaith i lawr pe bai unrhyw amodau gweithredu annisgwyl yn dod i'r amlwg.

Mi fyddai'r nwy naturiol sydd ei angen i gynnal yr orsaf bŵer yn cael ei gyflenwi drwy Bibilnell Nwy newydd South Haven ac o ganlyniad ni fydd unrhyw fesur sylweddol o danwydd yn cael ei storio ar y safle.

Rydym yn ystyried iechyd a diogelwch yn flaenoriaeth allweddol ymhob peth a wnawn

Cadw'r aer yn lân

Mae diogelu'r amgylchedd yn bwysig iawn ac mae RWE npower wedi ymrwymo i leihau effaith amgylcheddol pob peth a wnawn – yn enwedig wrth datblygu gorsaf bŵer newydd.

Mi fyddai'r Orsaf bŵer newydd ym Mhenfro yn defnyddio nwy naturiol sy'n un o'r tanwydd ffosil glanaf. Y prif gynnyrch a geir wrth hylsgi nwy naturiol yw carbon deuocsid (CO₂), anwedd dŵr a nitrogen ocsid (NO_x). Mi fyddai'r dechnoleg ddiweddaraf yn nhermau system hylsgi yn cael ei osod yn y gwaith er mwyn cynhyrchu llai o NO_x.



Montage ffotograffig o'r orsaf bŵer arfaethedig o Aberdaugleddau

Ni chynhyrchir lludw na llwch, a does braidd dim sylffwr mewn nwy naturiol.

Mae defnyddio nwy i gynhyrchu trydan yn fwy effeithlon na unrhyw danwydd ffosil arall ac mae nwy hefyd yn cynnwys llai o garbon na glo. Mae'r ddwy ffactor hon yn golygu'r bod modd creu pŵer nwy sy'n cynhyrchu tua hanner yr allyriadau CO₂ o gymharu â'r un maint o drydan a gynhyrchir gan y gorsafodd pŵer glo presennol. Disgwylir i nifer o orsafoedd pŵer olew a glo gau yn ystod y 10 i 15 mlynedd nesaf, sy'n golygu y bydd gorsafodd pŵer nwy'n

ewydd fel yr Orsaf Bŵer arfaethedig ym Mhenfro yn gwneud cyfraniad sylweddol tuag at ostwng yr allyriadau sy'n gysylltiedig â newid yn yr hinsawdd.

Dengys dulliau modelu gwasgariad, a gynhaliwyd at bwrpas y Datganiad Amgylcheddol, na fydd yr orsaf bŵer, hyd yn oed pan fydd hi'n gweithredu'n llawn, yn creu effaith sylweddol ar ansawdd yr aer yn rhanbarth yr orsaf bŵer yn parhau i fod ymhell o fewn safonau caeth y DU ac Ewrop yn nhermau gwarchod iechyd dynol a llystyfiant.

Cwrdd â'r tîm – Cyfweiliad ag Andy Smith, Rheolwr Datblygu'r Prosiect



Rydym hefyd wedi dechrau cyhoeddi taflen newyddion chwarterol (dyma'r ail rifyn), sy'n darparu diweddariadau a gwybodaeth am ein cynlluniau. Dosberthir y daflen newyddion i drigolion sy'n byw yn yr ardal o gwmpas safle'r orsaf bŵer arfaethedig. Gall unrhyw un sy'n dymuno cysylltu â ni ddefnyddio'r e-bost, cyfeiriad post neu'r llinell wybodaeth ddynodedig sydd ar dudalen gefn y daflen newyddion hon.

Pa effaith fyddai gan orsaf bŵer newydd ar yr economi leol?

Mi fyddai gorsaf bŵer newydd yn gwneud cyfraniad sylweddol i economi'r ardal leol. Mi fyddai angen gweithlu o hyd at 1,500 i gwblhau gwaith adeiladu'r orsaf bŵer arfaethedig, a phan fyddai'n gweithredu, mi fyddai hyd at 100 o swyddi hirdymor o ansawdd yn cael eu creu yno.

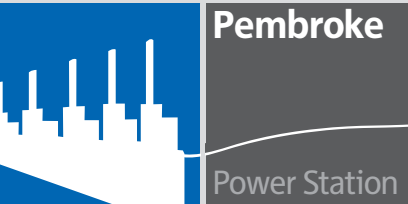
Beth yw eich rôl ym Mhenfro?

Rheolwr Datblygu Prosiect RWE npower ydw i, gyda chyfrifoldeb am reoli'r gweithgareddau parhaus sydd eu hangen i alluogi gwaith adeiladu'r orsaf bŵer newydd i fynd yn ei flaen. Mae hyn yn cynnwys pethau fel gwaith paratoi'r safle a dylunwaith rhagarweiniol. Rhan allweddol o fy rôl i yw cynrychioli'r prosiect yn ein trafodaethau gyda'r gymuned leol a'i chynrychiolwyr, ac rwyf yn fodlon iawn â'r diddordeb a ddangoswyd hyd yn hyn yn yr orsaf bŵer newydd.

Sut ydych chi'n hysbysu'r gymuned ynglŷn â'ch cynlluniau diweddaraf?

Yn ddiweddar fe wnaethom gynnal rhaglen o gyfarfodydd gyda'r Cynghorau Tref a Chymuned sydd yng nghyffiniau ein safle. Fe wnaeth hyn rhoi'r cyfle i ni drafod ein cynigion gyda chynrychiolwyr yn y gymuned yn ogystal â gwrando ar, a mynd i'r afael ag unrhyw sylwadau ac ymholiadau a godwyd.

Mi fydd cyfres o arddangosfeydd cyhoeddus yn dilyn y cyfarfodydd hyn, gydag aelodau o dîm y prosiect wrth law i gwrdd ag aelodau'r cyhoedd yn bersonol ac ateb unrhyw gwestiynau. Mi fyddwn yn cyhoeddi dyddiadau'r arddangosfeydd hyn cyn bo hir yn y wasg leol.



Buddsoddi yng Nghymru

Mae RWE npower yn ymfalchïo yn y cysylltiad sydd ganddo â chynhyrchu trydan yng Nghymru:

- yn ddiweddar fe wnaethom ddathlu canmlwyddiant creu trydan yng ngorsafodd pŵer hydro-electrig Cwm Dyli a Dolgarrog

- comisiynwyd Gorsaf Bŵer Aberdawan ym 1971 ac mae'n cefnogi'r economi yng Nghymru drwy wario tua £50 miliwn y flwyddyn ar lo o Gymru

- Rydym yn buddsoddi £100 miliwn ar dechnoleg Dadsylffwreiddio Nwy Ffliw yn Aberdawan, a fydd yn gostwng 95% ar allyriadau sylffwr deuocsid ac rydym hefyd yn cynllunio i adeiladu gwaith peilot cipio carbon cyntaf y DU yno

- Rydym yn gweithredu'r fferm wynt alltraeth fwyaf a chynaf y DU yn North Hoyle

- Mae fferm wynt alltraeth newydd sy'n costio £190 miliwn yn y broses o gael ei hadeiladu ar Wastadeddau Rhyll

- Rydym yn rhan o bartneriaeth arobrwng Cymru Gynnes gydag awurdodau lleol Castell-nedd Port Talbot a Wrecsam i helpu rhai o'n cwsmeriaid mwyaf bregus i ostwng eu costau ynni drwy greu gwelliannau i hybu effeithlonrwydd

Dewch i gwrdd â thîm npower

Er mwyn rhoi cyfle i chi glywed y newyddion diweddaraf am ein cynlluniau, fe hoffem estyn croeso i chi ddod i ddiawyddiad 'cwrdd â'r tîm'. Mi fyddwn yn cyhoeddi'r dyddiadau cyn bo hir yn y wasg leol, ac os hoffech chi ddanfôn eich manylion cyswllt atom, fe wnawn ni eich darparu â'r newyddion diweddaraf. Gweler ein manylion cyswllt ar y dudalen gefn.

npower – buddsoddi yn y gymuned

Mae tîm prosiect RWE npower yn gweithio'n ddyfal i sicrhau ein bod yn gwneud cyfraniad positif yn y gymunedau sy'n amgylchynu safle ein gorsaf bŵer, ac yn meithrin partneriaethau gweithgar gyda grwpiau Teol.



Andy Smith, Rheolwr Datblygu Prosiect RWE npower yn cyflwyno sic i Nick Ainger AS

Benfro: Ysgol Gynradd yr Eglwys yng Nghymru Hubberston, Aberdaugleddau, Ysgol Gymunedol Pennar, Doc Penfro ac Ysgol Gynradd Ystgabwll.

Mae npower yn buddsoddi £20 miliwn dros bum mlynedd yn y rhaglen 'Ysgolion Gwyrdd' ac o ganlyniad, mi fydd o leiaf 2,500 o ysgolion ledled y sir yn derbyn cefnogaeth ymarferol.

Mi fydd y rhaglen yn helpu plant ac athrawon i wneud gwir wahaniaeth i'w hyssgolion a'r amgylchedd drwy eu haddysgu ynglŷn â'r ffordd i fod yn wyrddach a gostwng eu hól troed carbon. Mi fydd y mwyafrif o ysgolion hefyd yn

Mi fyddai adeiladu'r orsaf boer newydd yn brosiect sylweddol, ac mae darparu'r newyddion diweddaraf o ran ei chynnydd ar gyfer y gymuned leol yn flaenoriaeth allweddol. Mi fydd Pwyllgor Cyswllt Lleol yn cael ei ffurfio i alluogi cynrychiolwyr y gymuned leol i gyfarfod yn gyson gyda'r tîm prosiect a thrafod cynlluniau adeiladu a gweithredu'r orsaf boer.



Plant o Ysgol Hubberston yn mwynhau'r gweithgareddau



Plant o Ysgol Ystgabwll gyda phreintisiaid npower

Cysylltu â ni

Drwy gydol y broses o adeiladu'r orsaf bŵer newydd ar ein safle yn Mhenfro, mae RWE npower wedi ymrwymo i ddarparu gwybodaeth ar gyfer pobl leol yn ogystal ag ystyried eu barn. Os oes gennych unrhyw gwestiynau, pryderon neu sylwadau, neu os hoffech dynnu eich sylw at unrhyw fater, yna cysylltwch â ni.

Fe allwch yrru e-bost at pembroke@rwenpower.com, ysgrifennu atom yn: Freeport RRG-AZTG-JLXJ, Camargue (RWE npower), Eagle Tower, Montpellier Drive, Cheltenham, GL50 1TA neu adael neges ar linell wybodaeth Penfro, sef 0845 136 0102 ac fe wnawn ymateb cyn gynted â phosib.

www.rwenpower.com/pembroke