

MVV Environment Devonport Ltd and South West Devon Waste Partnership

MVV Environment Devonport Ltd is holding a further series of exhibitions on its plans for an Energy from Waste plant at **North Yard, HM Naval Base Devonport.**

The plant will deal with residual household waste that is not recycled or composted to save it going to landfill and to generate usable energy from it.

Please come to view the latest proposals and discuss them with representatives of MVV and the South West Devon Waste Partnership.

June Exhibitions dates:

7	Weston Mill Primary School	4.30-7.30
8	Watermark, lvybridge	4.30-7.30
9	Gaynor Hall, Keyham	4.30-7.30
11	Plymouth Guildhall	10.30-1.30
13	Tamar View Community Centre, Barne Barton	2.30-6.30
14	St Budeaux Community Centre	2.30-6.30
15	Torpoint Town Hall	4.30-7.30
16	Saltash Guildhall	4.30-7.30

For further information, see www.mvvuk.co.uk, www.swdwp.co.uk or tel 01752 565412 or write to info@mvvuk.co.uk, or MVV Environment Devonport Ltd, Unit 10, Beacon Park Road, Plymouth PL2 2PQ.

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Public exhibitions

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SWDWP – Leaflet delivery locations for public exhibitions:

MVV Environment Devonport Ltd & South West Devon Waste Partnership

Locations for Posters for June 2011 public exhibitions, issued with posters on 27^{th} May 2011

No	Location	Address
1	Guildhall	Guildhall Square, Plymouth PL1 2AD
2	Civic Centre	Royal Parade, Plymouth PL1 2AA
3	Health Centre	Callington Rd Saltash
4	Library	Callington Rd, Saltash. PL12 6DX
5	Town Hall	The Guildhall, Lower Fore St, Saltash. PL12 6JX
6	Plymouth Central Library	Drake Circus, lymouth. PL4 8AL
7	Crownhill Library	Cross Park Road, Crownhill, Plymouth. PL6 5AN
8	Efford Library	19 Torridge Way, Efford. Plymouth PL3 6JQ
9	Eggbuckland Library	Eggbuckland Community College, Westcott Close, Plymouth. PL6 5YB
10	Ernesettle Library	3 Hornchurch Road, Ernesettle, Plymouth. PL5 2TQ
11	Estover Library	Tor Bridge High School, Miller Way, Estover, Plymouth. PL6 8UN
12	Laira Library	240 Old Laira Road, Laira, Plymouth. PL3 6AF
13	North Prospect Library	Wolseley Road, North Prospect, Plymouth. PL2 3JQ
14	Peverell Library	242a Peverell Park Road, Peverell, Plymouth. PL3 4QF
15	Plympton Library	Ridgeway, Plympton, Plymouth. PL7 2AA
16	Plymstock Library	Horn Cross Road, Plymstock, Plymouth. PL9 9BU
17	St Aubyn Library	Chapel Street, Devonport, Plymouth. PL1 4DP
18	St Budeaux Library	The Square, Victoria Road, St Budeaux, Plymouth. PL5 1RQ
19	Southway Library	359 Southway Drive, Southway, Plymouth. PL6 6QR
20	Stoke Library	21 Albert Road, Stoke. Plymouth. PL2 1AB
21	Tothill Library	Tothill Community Centre, Knighton Road, St Judes, Plymouth. PL4 9DA
22	West Park Library	423 - 425 Crownhill Road, West Park, Plymouth. PL5 2LJ
23	Tothill Community Centre	Knighton Road, PL4 9DA
24	Onward Community centre	The Community Centre, 55 Greenbank Road, PL4 8PE
25	Neighbourhood Office	35 Armada Street, PL4 8LZ
26	Stonehouse Methodist Centre	The Crown Centre, 28 Manor Street, PL1 1TW
27	Radford	Stokingway Close, PL9 9JL

	Community Centre	
28	Elm community centre	Leypark Walk, PL6 8UE
29	Halcyon Centre	Dingle Road, North Prospect, PL2 2PS
30	Colebrook Community Centre	Newnham Road, PL7 4AN
31	Granby Island Community Ccentre	100 Granby Street, PL1 4BN
32	Woodland Fort Community Centre	Crownhill Road, PL5 3SQ
33	Southway Community Centre	Southway Youth Centre, Hendwell Close, PL6 6TB
34	St Budeaux Community Centre	Wolseley Road, PL5 1UD
35	Tamar View Community Centre	Miers Close, PL5 1DJ
36	Barne Barton Community Action Trust	16 Miers Close, PL5 1DJ
37	Hilltop Community Centre	Cunningham Road, Tamerton Foliot, PL5 4PU
38	lvybridge Community Assoc,	Chapel Place Community Centre, Chapel Place, PL21 9AF
39	IvyBridge Town Hall	Town Hall, Erme Ct, Leonards Rd, Ivybridge, Devon PL21 0SZ
40	Ivybridge Leisure Centre	Leonards Road Ivybridge. PL21 0SL
41	Morley Youth & Community Centre	Broadland Gardens, Plymouth. PL9 8TU

Your chance to have your say

MVV Environment Devonport Ltd – Proposing Waste Solutions for South West Devon Waste Partnership

Thank you for taking the time to read through our plan for an Energy from Waste plant at North Yard, Devonport to treat South West Devon's residual waste. Now you have considered the scheme, please let us have your views. We want as many people as possible to express their comments. You can put the form in the box provided or send it to the address below. We will review all comments.

You can submit your views...

By post
MVV Environment Devonport Ltd
Unit 10, Scott Business Park
Beacon Park Road
Plymouth PL2 2PQ

By email info@mvvuk.co.uk

Log on at www.mvvuk.co.uk

Your c	letails	
Title	_ Initial Surname	
Address		
_		
Phone		
Email		
Are you a:	Local residentCouncillor*	Organisation representativeOther (please state)
Age group:	 Under 18 26-35 46-55 66-75 	 18-25 36-45 56-65 76 or above

*It is appreciated that local councillors will not wish to judge the merits of the proposal at this stage if they are intending addressing a future Planning Committee, but they might wish to respond to the information currently being requested at this stage.

Your enquiries and comments will be analysed by MVV Environment Devonport Ltd and its project team and will not be passed to any third party. MVV Environment Devonport, or its representatives, may wish to contact you in the future with updates on their proposals, such as when the planning application is submitted or future exhibitions. If you do not wish to be contacted, please tick here ____. Your details will be kept confidential and not used for any other purpose.





Do you have any comments on the plan for an Energy from Waste plant at North Yard, Devonport to manage South West Devon's residual waste?

Which event did you attend?	Should you need more space, please talk to one of MVV's representatives or send us an email at info@mvvuk.co.uk
Date Place	In which areas do you require more information from MVV?
Do you have any comments and ideas: On the appearance of the building (colours, lighting, patterns, artwork	
but not its location, size or shape) On landscaping and possible locations of tree planting on and off the site On the use of Blackies Wood, (e.g. as a managed nature conservation area or playground for chidron)	Do you have any other comments on the issues that are important to you
How the community area could be used other than for waste education purposes (e.g. as a meeting room for local organisations)	
How MVV's community fund could be used and which organisations, projects and events should be considered	

Devonport Ltd



Please reply to:

Unit 10, Scott Business Park, Beacon Park Road, Plymouth, Devon, PL2 2PQ

(name) (address)

MVV Environment Devonport Limited

Name: Paul Carey Telephone: 07768 842 715 Telefax: n/a Email: paul.carey@mvvuk.co.u k

Date: 21st July 2011

Dear

Energy from Waste Plant with Combined Heat and Power

I am writing to bring you up to date with MVV's proposal to develop an Energy from Waste plant with Combined Heat and Power to manage the residual waste from Plymouth, Devon and Torbay on behalf of the South West Devon Waste Partnership, and to review some of the issues presently under discussion in the press and media. In order to be open and inclusive I am sending this also as an open letter to the Plymouth Herald.

In June we completed a further two weeks of ten exhibitions in Plymouth and the surrounding areas. The purpose of this round of public consultation was to give people the chance to see the planning application that we have submitted to Plymouth City Council, to consider the changes that we have made since our exhibitions in February, and to discuss the scheme in detail with members of the project team in order better to inform the debate. Since the application was submitted in May we have heard from the community their concerns and comments, and many people left our exhibitions expressing satisfaction with our proposals. Some also stated their support, recognising the advantages to the local and wider community coming from the reliable recovery of Combined Heat and Power at North Yard, coupled with the safe and cost-effective disposal of their residual household waste.

The full planning application was available at the exhibitions and we were able to talk many people through various aspects of the scheme and the information that supported it. There is also a copy of the planning documents in every Plymouth City Council library. The exhibition panels and planning documents can now be viewed in our offices at Scott Business Park in Plymouth, which is open to the public Tuesday to Thursday from 10am to 3pm. They are also all available on our website (www.mvvuk.co.uk) where they can be downloaded. Alternatively, we can send people copies on a CD-ROM.

We appreciate that our planning application and Environmental Statement is of necessity a very substantial series of documents for what is one of the largest developments that Plymouth City Council has considered. Also, we accept that few people will have the time or inclination to work through even part of it. However, we believe it is only right that we make it as widely available as possible so that those who do wish to see what potential impact this scheme might have on their area have every opportunity to do so, and also to recognise the huge amount of work that has gone into preparing this detailed application. There is of course a Non Technical Summary which provides a readable and accessible summary of the key features of the scheme; this is available free of charge and we have already given out a large number of copies. We have also published two editions of our "MVV Update" newsletter which was sent to over 20,000 recipients in the local area; this was specifically designed to appeal to all groups of reader.

As you may know last week further information on the project was requested by the planners at Plymouth City Council. The council has issued a request under Regulation 19 of the Environmental Impact Assessment Regulations seeking clarification on a number of issues in the planning application. This request follows initial comments and replies from the statutory consultees. With a project of this size, with more than 3,000 pages of material, such a request is to be expected and is entirely reasonable. We are working on preparing the additional information as quickly as possible and we welcome the opportunity to further clarify our proposals.

In addition to MVV's website the full planning documents can be downloaded free of charge from Plymouth City Council's website (www.plymouth.gov.uk). Here you can also see responses from the consultees and the public, including the recent Regulation 19 request.

Concerning the planning documents, I would like to stress that, contrary to some misleading claims that have been circulating, no part of the application is in German. Where German text appears it is because it is part of the background of the software that was used to create drawings. The words in German are not on the drawings themselves, which if printed off contain no German words whatsoever!

In addition to planning consent we also need an Environmental Permit for the plant. Quite recently our application for this has been declared by the Environment Agency to be "duly made". The Agency will now examine the application and consult with the public; they have held a consultation day on 20th July at the Tamar View Community Centre. At the end of this process, the Agency will decide whether or not to grant an Environmental Permit for the project without which MVV cannot operate the plant.

To further help our dialogue and form a link with the community we have established a local liaison committee which provides a further route for the local community to ask questions and discuss the proposals. Two meetings have now been held, where a wide range of issues have been raised and discussed. We are committed to continuing this process and the minutes of meetings will be published on our website once agreed by members. The committee has requested that two members of Plymouth City Council join the committee; one Conservative and one Labour, and we hope that these members will support the liaison committee in continuing what has already become a constructive forum for dialogue between MVV and the local community.

Nevertheless, even with all of our efforts so far to engage with the local community, MVV recognises that many people still have concerns which need to be addressed. Our website remains open and we welcome questions and comments concerning our proposals. Plymouth City Council's planning department has said they will accept comments on the application through the summer. Therefore, although the initial consultation period set down by the council was – as is usual – 21 days, there was no intention to shorten or stifle debate. It is in everyone's interests – SWDWP, Plymouth City Council, MVV and not least the people of Plymouth – for this application to be subject to the closest scrutiny. There is therefore ample time for people to continue to review our proposals and to distinguish between the facts and the fiction. In all, MVV believes that the process of consulting on this complex planning application is proceeding well and we remain confident that as time goes by understanding of and support for our proposal will grow.

The issue of alternative technologies is often raised by those questioning the validity of Energy from Waste as the chosen method of treating South West Devon's residual waste. As part of their Municipal Waste Management Strategies, each of the councils in the South West Devon Waste Partnership conducted their own thorough investigation and option appraisal into how residual household waste could be managed in the future, including the types of technology currently viable with associated cost and environmental factors. These strategies concluded that a thermal process of recovering energy from waste, alongside increased recycling and waste minimisation, was the best option available. The three councils subsequently undertook a further option appraisal as a partnership. The conclusion was similar to that of each individual authority's appraisal. The partnership then approached the waste industry with an open mind to all waste solutions, although they did stipulate a requirement that as a minimum a thermal process should be included as part of any proposal. This would have allowed many waste treatment technologies to have been presented for consideration by the partnership.

The assessment of alternative technologies is covered formally by the Planning Application Supporting Statement and in more detail in Chapter 5 of the accompanying Environmental Statement. Anaerobic Digestion was previously considered by both Plymouth City Council and Devon County Council in their independent options appraisals and as a partnership. MVV also covered alternatives and noted that autoclaving and Anaerobic Digestion still leave residues that have to be dealt with (ref para 5.2.17 to 5.2.19). Additional comments by MVV on alternative technologies are attached to this letter and may be of further interest to you.

MVV considers that none of the alternative methods would efficiently, economically and reliably cope with all the SWDWP household waste that is remaining after recycling. SWDWP themselves concluded that Energy from Waste is tried and tested and on balance would be the most suitable solution on grounds of value for money, environmental and energy considerations and overall efficiency in dealing with waste. Such plants have operated safely and efficiently throughout the world and Europe for around 50 years, including in the UK and in the heart of cities such as Sheffield.

Our chosen site in North Yard, Devonport is similar to the solution adopted in Sheffield, in that it will enable energy, as both electricity and steam, to be recovered from the waste

in a very efficient manner (up to 50%), which is therefore both more sustainable and provides the best value for money for SWDWP and its council taxpayers. It also opens up the potential for wider district heating across the city such as that provided in Sheffield. This approach is fully consistent with the latest EU directives and, in addition, was recently endorsed by the coalition Government in its Waste Policy Review, where it stated: 'Our aim is to get the most energy out of waste, not to get the most waste into energy recovery'.

MVV appreciates that not everyone will be totally convinced that the technology we propose is both safe and reliable. However, we are fully confident that the experts that Plymouth City Council's planning department are consulting will concur with the analysis in our Environmental Statement. The Environment Agency, as an independent regulator, will also fully appraise MVV's proposals before granting a permit to operate on the grounds that it will not present an unacceptable environmental or health impact. MVV will continue to engage with the residents of Plymouth and South West Devon, to answer their questions and to demonstrate that – should we obtain planning permission and an operating permit - we shall not only be a good neighbour, but in the long term a safe, trusted and dependable part of the community.

To ensure this, in addition to opening our staffed office in Plymouth, we shall shortly be going out into the community, to meet people in community centres and other locations in Plymouth, to enable them to raise their concerns or questions in one-to-one meetings.

We are also starting to expand our team and will try to recruit as many as we can from the local area, so that we can truly say we are part of the Plymouth community.

Should you have any questions or comments, please do not hesitate to get in touch with me. I am available by phone on 07768 842 715, or by email at paul.carey@mvvuk.co.uk, or at the above address.

Yours sincerely,

Ullan

Paul Carey Managing Director

Additional Comments by MVV on Alternative Technologies

Other processes considered, and which are still being put forward by some as viable alternatives to our scheme, include:

Mechanical Biological Treatment (MBT).

MBT can include a wide variety of different treatment processes in different combinations which primarily sort the waste into different waste streams, many of which then require further treatment or disposal. MBT plants often require a very large site area and tend to be very expensive due to the multiple processes involved. The need to find different and reliable outlets for the various output waste streams (eg some recycled materials can be recovered) presents a significant risk and in many cases a large component of this waste either has to be landfilled or is burned as a fuel in Energy from Waste or similar plants. The partnership's analysis concluded that this was not the best solution for their residual waste and MVV concur with this given the extensive upstream recycling and composting already taking place by the councils.

Anaerobic Digestion (AD)

AD is generally suitable for soft organic waste such as left-over food, which is then composted, producing methane and a resultant compost-like product which needs to be used somewhere. However, to work properly the waste has to have a minimal level of contaminants (eg plastic packaging) and therefore requires a good level of separation in the household and separate collection systems. This system in isolation would not be able to treat the residual waste from the partnership as it contains many materials other than food waste. More importantly most of the food waste from Devon and Torbay is already separated out for treatment. Plymouth considered separate food waste collections as part of its analysis but ruled this treatment out as it concluded that large areas of the city were not suitable due to problems with additional containers, unsuitability of properties such as high-rise, narrow terraced and multiple occupancy properties and the high costs involved.

AD is a well proven system for the biodegradation of organic waste producing a "biogas" which is a mixture of carbon dioxide and methane. Its best application is on the disposal of liquid farm waste (eg manure) although it also works on source separated household food waste (ie food waste properly separated out in the home and not contaminated with other waste).

MVV believes that the AD of the organic element of mixed household residual waste (which is claimed to be the output of an autoclave) is likely to be very difficult and problematic. In Spain there are a number of projects which initially tried to separate out the organic fraction of household residual waste by mechanical means, but the subsequent AD process did not work due to mechanical blockages and poor biogas generation, and the digesters were subsequently converted to source separated food waste. In the UK there are a number of AD plants working on farm or food waste but none on general mixed household residual waste. Norfolk County Council did award preferred bidder status to a bidder proposing the AD of mechanically separated organics from household residual waste in 2006 but this project failed to achieve financial closure, as the technology was not financeable. Norfolk CC has since chosen a conventional energy from waste solution which also has combined heat and power potential.

In any event, the energy recovery efficiency of AD is less than combustion systems such as that proposed by MVV. Additionally, AD leaves a residual product called digestate which tends to have a very high odour component. Normally this digestate has to be further composted to fully biodegrade away the organic elements and this requires further land and energy requirements.

Plasma Arc Gasification (PAG)

PAG involves heating waste to very high temperatures so that it turns into gas and slag residue. The application of this technique is not yet proven on a large commercial scale for municipal waste and is still being developed. PAG is known to work as a technique for melting metals and treating of certain waste streams (eg certain hazardous wastes to vitrify them). However, PAG is less energy efficient compared with other energy from waste technologies and is more expensive; furthermore it is not proven at a commercial scale on mixed household residual waste or on the digestate from an AD plant. Indeed, even at a pilot scale it is still under development. One company in Swindon has been promoting the technology for some years but MVV is unaware of any project which has demonstrated the technology at a commercial scale or for any significant period of time (their one plant has performed for only 1,000 hours since 2007 according to their website). This technology therefore presents a high degree of risk and uncertainty.

<u>Autoclaving</u>

Autoclaving has been used effectively on certain grades of clinical waste to reduce its hazardous nature (eg in Bristol), although it is not known if this practice continues. Autoclaving of household residual waste is being carried out on a commercial basis in Rotherham although MVV understands that the resultant residues are presently landfilled after recovery of an element of recyclable materials. However, the efficiency of recovery of recyclable materials is not high, and there are large quantities of a residual "fibre" which comprises the organic materials and some non-organic material which cannot be recycled, eg plastics which have been melted by the autoclave process and glass that has been shattered into splinters. We believe the company involved is currently investigating ways of improving the quality of the fibre for possible use as compost but has so far not carried out any developments. It presently has a stockpile of approximately 800 tonnes held pending a decision by the Environment Agency for using the fibre as a low level soil improver, but this does not pass the PAS100 (the industry standard for compost from waste) requirements to be used for compost. The company has also been looking to have this "fibre" disposed of in an energy from waste facility, and has carried out trials at various energy from waste plants, but the fibre's energy content is too low and its moisture content too high for it to burn easily. In addition, earlier this year an autoclave facility suffered an accident where a pressure system exploded, killing one person and seriously injuring another. This accident is hampering the ability to raise additional finance to continue to develop the technology.

Autoclaving uses energy in the form of pressurised steam which is in almost all cases raised from fossil fuels. It also uses water. It therefore is a net consumer of resources.

Combinations of the above Technologies

MVV notes that an AAD system has been suggested at Lee Moor near Plymouth. It proposes a scheme which combines autoclaving and AD for the treatment of residual waste primarily from commercial sources.

Autoclaves and AD have also been proposed in some PFI projects. For example, a solution involving an autoclave (in combination with an AD plant) was selected as the preferred bid for the Wakefield PFI project in 2007. However, the original bidding company then changed ownership and the new owner decided not to continue. The bidding company was subsequently sold to a well established specialist waste management company, but to date the contract has still not been signed. MVV understands that this is primarily due to financial and technical issues in the proposed system.

Whilst the locally proposed AAD project's parent company has proven experience in steam systems and industrial autoclaving their track record in autoclaving of household residual waste is not known or proven as they do not operate any such household residual waste autoclaves. The proposed AAD facility claims only 3MW of electricity from 70,000 tonnes per annum of household residual waste whereas conventional proven energy from waste systems would generate closer to 6MW from the same waste. The proposals for Lee Moor are outlined on the company's website and in a scoping study submitted to Devon County Council, for which the council issued a scoping opinion in April 2011. However, it should be recognised that the issuing of a scoping opinion does not confer any opinion on or approval by Devon County Council on the technical or commercial viability of such a system. MVV believes that the project's developers have now submitted a planning application for this proposal.





MVV Devonport Update

Who is MVV?

MVV Energie has its headquarters in Mannheim, Germany. It employs more than 6,000 staff and has an annual turnover of €3.4 billion. MVV's core business is the distribution of energy, natural gas and water in Mannheim and other cities, the generation of energy from waste and the development of highly efficient energy solutions. It has set up MVV Environment Devonport Limited as a wholly owned subsidiary.

Published by MVV Environment Devonport Ltd, Scott Business Park, Unit 10 Beacon Park Road, Plymouth PL2 2PQ

Comments

Do you have any comments or questions? Are there any topics you would like to see covered in our newsletter or on our website?

Please:

Fill in the form provided

Email us at: info@mvvuk.co.uk Write to us at: MVV Environment Devonport Ltd, Scott Business Park, Unit 10 Beacon Park Road, Plymouth PL2 2PQ Phone: 01752 565412

Question/comments

Postcode

Name

Address

Telephone

Email

Thank you.

Welcome to the first edition of MVV **Devonport News**



Welcome to the first edition of MVV Devonport Update, designed to keep you up to date on news about our proposal to develop an Energy from Waste plant at North Yard, Devonport.

I hope you will find it interesting. Please let me know if there are any topics you would like to see covered or if you have any comments.

Paul Carey

Managing Director, MVV Environment Devonport Ltd



Plymouth's former landfill site at Chelson Meadow



EfW power plant contract signed

MVV Environment Devonport Ltd and the South West Devon Waste Partnership (SWDWP) have now signed a contract for the building, operation and maintenance of an Energy from Waste (EfW) power plant in Plymouth. MVV was awarded preferred bidder status in January, after a lengthy tendering process. The deal is expected to save council taxpayers around £560 million over the 25-year life of the project.

SWDWP is a partnership of Plymouth, Devon (West Devon, South Hams and part of Teignbridge districts) and Torbay Councils and the contract is to handle up to 245,000 tonnes of rubbish a year. MVV's chosen site is in the Weston Mill area of Devonport Naval Base, bordering Blackie's Wood. The plant will burn residual waste, that is, the rubbish that is left after material that can be re-used or composted has been taken out. It will then create heat and electricity which will be used in the Naval Base.

Mark Turner, Project Director of SWDWP, said: 'At the outset of the project the partnership estimated that a comparable energy-from-waste solution would cost around £825 million.

'Because MVV has been able to sell the electricity and steam from the process, the actual cost of MVV's solution is £436 million, which is £389 million less than expected. In addition, by the three councils working together, we have secured central government PFI credit support worth another £177 million over the lifetime of the project. This means the partnership councils only have to fund £259 million for the waste solution

April 2011

instead of the estimated £825 million, which is great news for council taxpayers."

Plymouth's rubbish is at present dumped in a landfill site. Since the Chelson Meadow landfill tip closed in 2008 the city has been sending its waste to Lean Quarry near Liskeard. With escalating penalties for using landfill, the city, along with its partners in Devon and Torbay, has faced a race against time to find a new solution. Mark Turner added: 'To compare with what we are doing at the moment, the cost of continuing with landfill and recycling the Partnership area is estimated to be £1,701 million. The cost of MVV's solution and recycling is £1,026 million, equating to a saving of £675 million for the Partnership.

The project is subject to approval of the planning application by the local planning authority, Plymouth City Council. MVV is currently working with the Council, discussing many of the issues of concern which were raised at the roadshows. MVV will report back as further information becomes available.



Out on the road

Hundreds of people from across South West Devon attended the series of roadshows in February organised by MVV and South West Devon Waste Partnership.

The roadshow visited ten public venues across the area and over 1,000 people attended, with over 270 people filling in feedback forms with questions or comments.

Bruce Braithwaite, MVV's Planning Manager, said: 'We would like to thank everyone who took the time to come

to an event talk about the proposals and give us their comments. We are looking at all the feedback we have received.

Many people said they would like more information on topics such as on health or traffic. We will use this newsletter to follow up many of these points and also give more information on our website.

www.mvvuk.co.uk



Next round of roadshows

MVV will be holding more public roadshows in June to provide an update on progress, give further information on the project and to report on feedback from the February exhibitions. Paul Carey said: 'We intend to let people know how we have responded to their comments we have received and any changes we will be making to our plans. We will also give more information on the planning application which we are submitting to Plymouth City Council in May."

The next round of exhibitions will be held in June at the Guildhall, Plymouth; lvybridge; St Budeaux, Saltash, Keyham, Weston Mill; Barne Barton and Torpoint.

Local Liaison **Committee launched**

MVV is setting up a Local Liaison Committee (LLC) to promote discussion with local people and to give them a chance to meet staff from MVV. SWDWP, MOD, the Environment Agency, local Plymouth City councillors and other organisations, ask questions and get more detailed information on the scheme. The idea is that they can feed this back to their community. The committee will not only meet throughout the planning stage, but if the scheme goes ahead – also during construction and operation of the plant.

At the roadshows, over 30 people said they would be prepared to take part. They were all invited to a preliminary meeting on 31 March at Tamar View Community Centre. Twelve people attended. Paul Carey from MVV and Mark Turner from SWDWP gave a brief introduction and answered questions.

As there were fewer people present than the 15 vacancies reserved for the local community on the LLC at the preliminary meeting, all were invited to attend the first meeting proper. This will be held on Thursday 19th May at Tamar View Community Centre at 6pm. Anyone who was not able to attend the preliminary meeting but is still interested in taking part should contact Paul Carey at info@mvvuk. co.uk. Alan Dyer, chairman of the Whitleigh Forum, who had visited some of the roadshows and came to the initial discussion, offered to chair the first meeting. He said: 'I'm happy to volunteer and then we can decide at the first meeting if anyone else should take over."

Details of the members of the committee and its terms of reference will be published on the website and in the next newsletter. If there are matters that you would like to see brought up, please contact one of the committee members, or MVV directly.

MVV opens local office

MVV is opening a local office at Scott Business Park, Unit 10, Beacon Park Road, Plymouth PL2 2PQ. Amanda Booth is MVV's office manager. She will be on hand to answer questions and talk to residents. The boards from the February roadshows will be on display. Anyone who missed the roadshows or would like to see the boards again can drop in to the office and leave their comments. The office will be open from 3 May, Tuesday to Thursday, from 10am to 3pm, and details will be publicised. No appointment will be necessary.



Amanda said: 'I am looking forward to meeting local people, hearing their views and discussing the project with them. I hope people will take the opportunity to drop in for a chat, and that they will find it useful to have a place where they can find out more about the plans."

What's left after the waste has been burned?

After waste has been burned, two kinds of ash are left: bottom ash and fly ash. Bottom ash is what is left on the grate that can't be burned. It consists of things like metal, glass and debris. The ash drops into a quenching bath and is then collected for further processing so that metals can be removed for recycling and the remainder can be used in road building, reclamation works or construction.

Fly ash is collected in the filters as the hot gases are cleaned up. It consists of small particles from the waste itself as well as the material added to the flue gas in order to remove harmful substances. The fly ash will be collected and transported off-site in special closed containers. It is not toxic, although it is classified as hazardous because it is alkaline like cement.



Why Energy from Waste?

- Energy from Waste is a modern, well proven and safe technology for dealing with rubbish after things that can be re-used or recycled have been
- National Grid to power homes and businesses
- dockyard or local homes
- which produce CO2
- EfW and recycling go hand in hand EfW does



Why we can't go on burying our rubbish

- Household rubbish currently goes to landfill sites after it has been collected by council refuse lorries. Councils cannot keep sending rubbish to be buried in holes in the ground.
- It produces methane a harmful greenhouse gas which contributes to global warming
- It produces liquid waste which can pollute water supplies
- We are running out of landfill sites
- There are cost penalties for landfilling and these costs are increasing significantly



May 2011



MVV Devonport Update







MVV's Office in Plymouth, Paul Carey, Uwe Zickert and Amanda Booth

Dealing with South West Devon's waste

This leaflet tells you how **MVV Environment Devonport Ltd** is planning to deal with household rubbish produced in South West Devon over the next 25 years.

MVV has been chosen jointly by Plymouth, Devon and Torbay councils to deal with residual household rubbish in the area that is not recycled or turned into compost. This is what you put in your black bin bags.

These councils have formed the South West Devon Waste Partnership or SWDWP for short. At the moment, this rubbish is buried in the ground, which causes serious harm to the world we live in and costs millions of pounds.

Instead of burying it, MVV will burn the rubbish and use the heat it produces to make electricity. This will supply power to the Devonport Naval Dockyard who will buy the energy. The heat will also make steam to heat the naval base. Most of the ash produced after burning rubbish can be recycled to make road building material. This means that the waste is put to the best possible use.

Making electricity and heat from burning rubbish is called Energy from Waste (or EfW) and MVV plans to build an EfW plant with combined heat and power at North Yard, Devonport, which is in the Weston Mill area of the Naval Base next to Blackies Wood.

To make sure local people get the best value for money for this service, SWDWP have agreed to share the one EfW CHP plant between the three councils. The plant would burn around 245,000 tonnes of rubbish every year. Burning produces gases and these will be carefully treated by special filters, like catalytic converters on cars, to take out any harmful material before going up the chimney.

Before MVV can build the plant it must get permission from Plymouth City Council's Planning Department. MVV also needs permission from the Environment Agency, the government's environmental watchdog, before it can start operating the plant.

MVV has made a planning application to Plymouth City Council which sets out full details of the scheme. It has also prepared a report, called an Environmental Statement, which shows how the proposal may affect local people and wildlife.

You can look at the Environmental Statement and the planning application on Plymouth City Council's website, at the Council's offices or on MVV's website (www.mvvuk.co.uk).



Who are MVV?

- MVV Environment Devonport Ltd is part of a German waste management company called MVV Umwelt
- Both companies belong to a larger utility company called MVV Energie, which is based in Mannheim, Germany
- More than 6,000 people work for MVV Energie and the company turns over 3.4 billion Euros a year
- MVV Umwelt has run Energy from Waste plants for 45 years and currently deals with the waste produced by 4.4 million people in Germany
- MVV Umwelt runs three Energy from Waste plants in Germany as well as three biomass power plants, which create power using renewable energy sources like wood
- MVV Environment Ltd has been operating in the UK for the past three years and employs staff with wide experience in the UK waste management industry.





Hansjörg Roll and Michael Class, joint Managing Directors of MVV Umwelt

Energy from Waste has a long history in the UK and mainland Europe and is widely accepted as a sustainable way of treating residual waste. Since 2005, councils and businesses in Germany are no longer allowed to landfill their waste. Since then, around 66% of municipal waste is recycled or composted while the rest is burned in EfW plants to produce energy.

The UK also has to update and improve its waste management practices but large amounts of waste are still being sent to landfill. MVV will use its experience to help Plymouth, Devon and Torbay to take a big step towards a more environmentally friendly way of treating their waste.



There are a number of other ways of dealing with rubbish

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 Mechanical biological treatment (MBT) attempts to separate out some materials to be recycled. The waste is dried which reduces the weight, or cooked with steam (autoclaving) to produce a "fibre". However, the waste which cannot be separated out has to be dealt with; typically it is buried or it can be burned as a fuel in energy from waste plants or coal power stations.

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- Anaerobic digestion (AD) can be used for kitchen waste such as left-over food. It works like a compost heap with bacteria. It does not work well on MBT residues.
- Plasma gasification is a way of heating rubbish up so that it turns into gas and slag. This way of treating rubbish is still being developed and is very expensive.

*MVV Umwelt

None of these ways of dealing with rubbish could cope with all the household rubbish remaining after recycling that SWDWP needs to get rid of. SWDWP decided that Energy from Waste is tried and tested and would be the best solution on grounds of value for money, low emissions and efficiency in dealing with waste.



How was MVV chosen?

The three councils involved in the SWDWP joined together in 2007 to find a way of getting rid of the rubbish which is not recycled or used again without having to bury it.

New Government and European laws are making it very expensive to bury rubbish. The amount that can be buried by councils will get smaller every year from now on. Councils will have to pay huge taxes, and possibly fines, for every tonne of rubbish that goes into the ground. The money to pay the fines will come from local tax payers.

Even after SWDWP has convinced local people to recycle a lot more than they are at the moment, there will still be around 200,000 tonnes of rubbish that would need to be disposed of every year from the local area by 2039.

Burying this rubbish is expensive but it is also harmful and bad for the environment because organic rubbish releases harmful gases and liquids as it rots.

So, to keep costs down and help the environment, SWDWP accepted MVV's proposal that burning the rubbish to produce power in an Energy from Waste CHP plant would be the best way to deal with waste that hasn't been recycled and cannot be used again.

The politicians in national Government also agree with this plan and will give SWDWP £177million over 25 years to help pay for the plant that MVV will initially pay for, then build and operate.

There are many companies that help councils get rid of their rubbish and a competition was held to help SWDWP decide which future waste treatment solution was most appropriate for the local area.

The companies trying to win the business had to convince SWDWP that they would give tax payers the best value for money without harming the local environment. SWDWP chose MVV because they met the requirements very well.

SWDWP has signed a contract with MVV to get rid of their black bag rubbish every year for the next 25 years, when it has built the EfW CHP plant.

To get rid of the rubbish, MVV wants to build its EfW CHP plant at North Yard in Devonport but it must first get permission from Plymouth City Council's planning committee.

MVV will only get permission if local councillors and planning officers are sure that the plant will not harm the local environment.

MVV wants to be a good neighbour and to listen to people's views. It has held a number of public exhibitions to show local people the plans and listen to any comments or concerns they might have.





MVV has also made changes to its original plans after listening to what local people have said. Another series of exhibitions to show people the final version of the plans will be held on the following dates:

Exhibition locations and dates

7 June	Weston Mill Primary School	4.30 - 7.30
8 June	Watermark, Ivybridge	4.30 - 7.30
9 June	Gaynor Hall, Keyham	4.30 - 7.30
10 June	Buckfastleigh Town Hall	3.00 - 7.30
11 June	Plymouth Guildhall	10.30 - 1.30
13 June	Tamar View Community Centre, Barne Barton	2.30 - 6.30
14 June	St Budeaux Community Centre	2.30 - 6.30
15 June	Torpoint Town Hall	4.30 - 7.30
16 June	Saltash Guildhall	4.30 - 7.30



How will MVV turn rubbish into energy?

Although it looks complicated, the process is very simple. This drawing shows how MVV will turn your rubbish into electricity and heat.







Stage One

- The process starts with you. Once you have separated the rubbish from the material that can be recycled or used again, your council will collect your black bag in a bin lorry and take it to the EfW CHP plant at Devonport.
- If you live in or close to Plymouth, the local bin lorries will drive your rubbish straight to the plant when they are full.
 If you live in other parts of South West Devon, your rubbish may be taken to council waste depots. There the rubbish will be packed together into bigger loads and then driven to the EfW CHP plant in larger lorries. This means that fewer lorry journeys will be needed.
- As well as household rubbish, the plant will also burn some waste from businesses and shops. This will be similar to household rubbish. It will NEVER burn radioactive waste.
- All the rubbish will be tipped out of the lorries inside the building to make sure noise and smells do not disturb people nearby.
- The EfW CHP plant will stop more than 97% of the rubbish from your black bin from being buried in holes in the ground.



Stage Two

- The rubbish is grabbed by a crane and moved into a chamber where it is burned. The heat produced by the fire heats water in a boiler like a giant kettle and this makes steam which is put under pressure and made even hotter.
- The gases from the fire go through lots of special filters that take out the harmful bits.
- Once the gases have gone through these filters, the gases that go out of the chimney are similar to a car's exhaust but much cleaner.

Stage Three

- The superheated pressurised steam turns a turbine which is connected to a generator that turns the movement of the turbine into electricity.
- It makes enough electricity for up to 37,000 houses.
- Some of the steam is also taken out through a pipe which connects to the naval base's heating network. This is used like the hot water in the central heating system in your house.
- The steam is sent through pipes to heat radiators in the naval base. These could also be connected to other local homes and businesses in the future if they are built with the pipes in place.
- It makes enough hot water to heat 1,200 houses, or more if connected to a district heating system.

Stage Four

- Ash is left after the rubbish has been burned. It will be mixed with water to stop dust. MVV plans to collect it and take it to Buckfastleigh. Here it can be turned into building material for roads or to make concrete for blocks which might be used to build houses.
- The materials that are caught in the special filters will be carefully collected and taken away in sealed containers to be buried in a special site in the north of England.
- This is called 'Air Pollution Control residue'. It is hazardous, like cement, because it can burn the skin. The Environment Agency regulates this process to make sure it is safe. This is the only part of the whole process that still needs to be buried. It does not produce harmful greenhouse gases like buried household rubbish.

Whitecleave Quarry - proposed ash recycling plant

Tell me more about what happens to the ash

Just like a bonfire, when rubbish is burned in the EfW CHP plant not all of it is turned into gas or heat. Some ash is left at the bottom.

Also, some things in rubbish like rubble, glass and metals won't burn.

The ash is called Incinerator Bottom Ash, or IBA for short. It comes out wet so it does not make dust. It can be used to build roads or in housebuilding materials, so there is no need to bury it.

However, it must be cleaned and sorted into pieces of the same size before it can be used.

To do this, MVV plans to take the ash by lorry from the EfW plant to a plant at Whitecleave Quarry in Buckfastleigh. The ash will be sprayed with water if it dries out to stop dust. At the plant, any metal left in the ash that wouldn't burn in the EfW plant is taken out and recycled. The ash then goes through different screens to sort it into different sizes. It will then be sold and taken away for use in different construction projects.

As there is not enough room next to the EfW site MVV decided it would be better to locate the IBA plant outside the Devonport site.

MVV will apply for planning permission through Devon County Council to build the ash processing plant at Whitecleave Quarry. Sam Gilpin Demolition Ltd runs a business recycling demolition waste at the quarry.

MVV has already held one public exhibition of its plans in Buckfastleigh and local people have been asked if they want to start a 'liaison committee' which will give them a chance to speak to staff from MVV and the operator of the site, Gilpin.

Panoramic view from Plymouth Road of how the site would look after removal of rock

MVV and the environment

How safe is all this?

Well, to put it simply, the answer is 'very safe'.

The gases coming out of the chimney have been through a thorough filtering process to remove particles or other harmful gases in them that people could breathe in and make them ill.

The chimney is tall enough to make sure that the gases are spread out very high in the air and well diluted so they are perfectly safe.

A Government agency called the Health Protection Agency is in charge of making sure that your health is not affected by what we are proposing to do.

In 2009 they wrote a report which said that modern new EfW plants like the one MVV wants to build make only a small contribution to local concentrations of air pollutants. 'It is possible that such small additions could have an impact on health but such effects, if they exist, are likely to be very small and not detectable.'

People in Great Britain in places such as Coventry and Sheffield live close to EfW plants, and in mainland Europe there are many such plants in towns and cities.

Everything that goes on at the EfW plant is also closely checked by the Environment Agency which makes sure that it does not cause harm in any way. The Environment Agency can close it down if it is not working safely.

Where can I check this for myself?

Specialist consultants working for MVV have written a detailed report called an Environmental Statement or ES. Plymouth City Council planners are looking at this as part of MVV's planning application.

This report tells Plymouth City Council what MVV will do to make sure that the impact on the local environment is as small as possible and well within safe allowable limits.

You can see this report on Plymouth City Council's website or at the Council offices or libraries. It is also on MVV's website. MVV will also publish on its website information on measurements taken in the chimney of what comes out of the plant.

What will the plant look like?

- The building will be 134 metres long, 81 metres wide at its widest part and 45 metres at its highest point.
- The chimney is 95 metres high. It needs to be this tall to make sure that the hot gases coming out of it are spread high into the air.

When we first designed the building in 2008, we hid all of the internal workings in a larger curved building. But local people told us that it was important to make the building as small as possible, so we have now designed the shape of the building around the equipment inside it.

There are lots more artists' impressions and technical drawings of the plant in the planning application and on MVV's website.



An artist's impression of how the plant will look







Some of the early designs



What has happened so far?

Projects this complex often take a long time to go through the planning process because they have to be checked very thoroughly.

MVV wanted to make sure that local people had the chance to have their say on the proposals and suggest changes before we submitted a planning application to Plymouth City Council.



Timeline

- October 2008: The SWDWP Councils started their competitive tendering process to find a new solution to manage their waste and MVV were invited to bid along with five other international companies
- July 2009: SWDWP publicly announced that the site at North Yard was being proposed by MVV along with other sites offered by other companies
- February 2010: MVV held a public exhibition of its plans for North Yard and an alternative site in Ernesettle. Later in February, MVV dropped Ernesettle because it would have been difficult to use the steam for heating the Dockyard from that site.
- January 2011: The three SWDWP Councils chose MVV as their 'preferred bidder'. This means that MVV was chosen to do the work, but still has to get planning permission to build the EfW CHP plant.
- February 2011: MVV held 10 public exhibitions in Plymouth and Devon to show details of its plans. More than 1,200 people came to the exhibitions.
- **19th May 2011:** First meeting of Devonport Local Liaison Committee
- End of May 2011: The planning application for the EfW plant was registered

What happens next?

- More exhibitions on MVV's proposals from 7th to 16th June
- Second meeting of the Devonport Local Liaison Committee on 23rd June
- First meeting of the Buckfastleigh Local Liaison Committee in July 2011
- People can comment on the planning application to Plymouth City Council for the foreseeable future
- Local Liaison Committees will meet on a regular basis from now on; minutes of the meetings will be available on MVV's website
- Planning Committee decides on planning application, possibly later this year

What can I influence?

There are some areas where you could suggest changes, eg to the colour of the buildings or the way in which MVV will help the local community or improve the local environment – the planning application has some ideas but MVV welcomes more.

Things like the location and shape of the building cannot be changed because it has to be a certain size to house all the equipment needed to make it work.

How can I get involved or find out more?

If you would like to speak to someone face-to-face and find out more about what we're doing, we'd be delighted to meet you at our office at:

MVV, Unit 10, Scott Business Park, Beacon Park Road, Plymouth PL2 2PQ. The office is open on Tuesday, Wednesday and Thursday, from 10am to 3pm.

Alternatively, you can speak to us on the phone by calling Amanda Booth on 01752 565412.

If you have access to the internet, you can find out more by visiting:

www.mvvuk.co.uk for more information on MVV and for copies of reports and documents

www.swdwp.co.uk for more information on the Councils' Waste Partnership and the competitive tendering process

Or, you can write to us at the above address or send us an email to **info@mvvuk.co.uk**





MVV holds community drop-in sessions

MVV Environment Devonport Ltd is arranging a series of drop-in sessions to give local people a chance to ask questions or raise any concerns in oneto-one meetings. This initiative is part of MVV's continued commitment to keep the community informed and provide the opportunity for further feedback, questions and discussion.

Paul Carey, Managing Director of MVV Environment Devonport Ltd, said: "We are very happy with the reception of our latest round of exhibitions and the feedback we have received. We have talked to many people about their expectations and their thoughts on this project, and we want to continue this process. We appreciate that not everyone who wants to is able to visit our office, so we are arranging these sessions in the community, including one in the evening at the central library, to give more local people a chance to meet us and discuss the scheme in person."

Those who are interested can phone Amanda Booth to arrange a timeslot on 01752 565412 for a specific one-to-one discussion, or alternatively, just call in to one of the venues below on the days and times indicated (the office will not be staffed during these times):

Venue:	Time:	Dates:
Central Library, Drake Circus	4.30pm - 7.30pm	1 Aug, 5 Sept, 3 & 31 Oct,
Devonport Dockyard	10 am -12 noon	3 Aug, 7 Sept, 5 Oct, 2 Nov
(Dockyard staff)		
St Budeaux Community Hall	10 am -12 noon	10 Aug, 14 Sept, 12 Oct, 9 Nov
Tamar View Community Centre,	10 am - 12 noon	24 Aug, 28 Sept, 26 Oct, 23 Nov
Barne Barton		

For further information, see www.mvvuk.co.uk, or write to info@mvvuk.co.uk, or MVV Environment Devonport Ltd, Unit 10, Beacon Park Road, Plymouth PL2 2PQ.

Plymouth 21st July 2011

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MVV Environment Devonport Limited is an English registered company with its registered office in Plymouth. It is the subsidiary company of MVV Umwelt. Both companies are members of German utility company MVV Energie, whose headquarters are in Mannheim. MVV Umwelt provides flexible solutions for waste disposal, producing environmentally sustainable energy. In Germany, MVV Umwelt operates six Energy from Waste and biomass plants, managing 1.6 million tonnes of waste a year. With over 45 years' experience, MVV Umwelt is in the top three companies in Germany in its field.

For further information, please contact Harry Hudson at Green Issues Communiqué on 01189 839455 or via email at harry.hudson@greenissuescommunique.com

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Any news arising Explaining why Councils need to find alternatives to landfill

***MVV**·Environment

SWDWP Devonport

Whitecleave Recycling Cent.

> Projects > SWDWP Devonport



Providing the optimum Waste Solution for South West Devon Waste Partnership

MVV has signed a contract with South West Devon Waste Partnership to provide a waste treatment solution for the disposal of its waste. The company is proposing an Energy from Waste plant at North Yard, Devonport. The <u>planning</u> <u>application</u> for this project has been submitted to Plymouth City Council.

The plant will deal with waste from Plymouth, Devon and Torbay that is not recycled or composted and will generate electricity as well as usable heat in combined heat and power (CHP) mode, thereby saving valuable fossil resources and reducing carbon dioxide output.

On this website you will find information about the planned EfW plant, including <u>facts and figures</u>. Additionally, the Partnership and MVV will be holding exhibitions in June; please find times and places in the <u>News</u> section. If you miss any information, please feel free to <u>contact</u> us.

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Latest News Why EfW? Reasons for choosing Why Devonport? the site Benefits Benefits in different Facts and Figures areas (Environment, Architecture economics, ...) FAOs Links and downloads Main facts & figures Application for Planning Architectural concept Permission and pictures Environmental Permit Application FAOs derived from Incineration Liaison Committee community feedback Contact MVV material (exhibition, boards, newsletter, etc.) for downlad plus external links for information Complete download of the planning application Complete dwnload of the environmntal permit application ToR and minutes of the ILC meetings

Contact details *



MVV Environment Devonport Ltd

MVV's planning application for EfW out for public consultation

MVV Environment Devonport Ltd has submitted a planning application for an Energy from Waste plant with Combined Heat and Power at North Yard, Devonport to manage the residual waste from Plymouth, Devon and Torbay on behalf of the South West Devon Waste Partnership. The application has been registered by Plymouth City Council, the local planning authority, which will now consult on the scheme.

MVV reviewed its initial proposals following extensive public consultation in February and the revised scheme now forms part of the planning application. Paul Carey, Managing Director of MVV Environment Devonport Ltd, said:

'We have listened very carefully to what people said and we have also had detailed discussions with the Planning Department. We have undertaken a great deal of further work in preparing the planning application and the Environmental Statement. We are confident that we now meet all the criteria for a major project such as this.

'We have also made some significant changes to the design of the plant. We hope as many people as possible will take the opportunity to view our latest scheme, discuss it with the project team and then give their views to Plymouth City Council.'

Mr Carey also announced that MVV would be holding a further series of public exhibitions to let people see what changes had been made and to highlight the main features of the planning application. The planning application consists of a very large series of documents and drawings and is now available for public inspection, both on Plymouth City Council's website (www.plymouth.gov.uk) and MVV's own website (www.mvvuk.co.uk). The entirety of the application can be downloaded free of charge from either site. An electronic copy will also be available in the Civic Centre and in public libraries. Hard copies will also be available to be viewed in public libraries, the Civic Centre and MVV's Plymouth office. Hard copies of the planning application and drawings can be purchased for £150. Hard copies of the Environmental Statement can be purchased for £250. Copies of both are available on CD-ROM for £5. Hard copies of the Environmental Statement Non-Technical Summary explaining the key elements of the proposal are available free of charge.

Mr Carey added: 'This is the opportunity for people to make constructive comments on the proposal. We cannot change the size and shape of the

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www.mvvuk.co.uk www.mvv-umwelt.de www.mvv-energie.de

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MVV Environment Devonport Ltd

building as these are governed by the equipment needed to operate the plant. However, we welcome views on the colour, look and lighting of the buildings and suggestions on how the community fund associated with this proposal can be used for the benefit of the local area. There are also other areas of land where we can undertake landscaping work and environmental improvements close to the site to improve the setting and make the area more attractive.'

MVV's Plymouth office is at Unit 10, Scott Business Park, Beacon Park Road, Plymouth PL2 2PQ. The office is open on Tuesday, Wednesday and Thursday, from 10am to 3pm (tel: 01752 565412).

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EXHIBITION LOCATIONS AND DATES

7 June	Weston Mill Primary School	4.30-7.30
8	Watermark, lvybridge	4.30-7.30
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11	Plymouth Guildhall	10.30-1.30
13	Tamar View Community Centre,	
	Barne Barton	2.30-6.30
14	St Budeaux Community Centre	2.30-6.30
15	Torpoint Town Hall	4.30-7.30
16	Saltash Guildhall	4.30-7.30

Plymouth, 26th May 2011

Notes to editors:

MVV Environment Devonport Limited is an English registered company with its registered office in Plymouth. It is the subsidiary company of MVV Umwelt and will be the contractor to SWDWP. Both companies are members of German utility company MVV Energie, whose headquarters are in Mannheim. MVV Umwelt provides flexible solutions for waste disposal, producing environmentally sustainable energy. In Germany, MVV Umwelt operates three Energy from Waste plants as well as three biomass power plants, managing 1.6 million tonnes of waste a year. With over 45 years' experience, MVV Umwelt is in the top three companies in Germany in its field.

For further information or to arrange an interview with MVV, please contact Harry Hudson, Green Issues Communiqué.

email harryh@greenissuescommunique.com, tel: 07753 940880.



MVV Environment Devonport Ltd

MVV to carry out further site works at North Yard

MVV Environment Devonport Ltd is carrying out further site investigations at North Yard, HM Naval Base Devonport. The work involves the drilling of a small number of test piles to check the condition of the ground where MVV is proposing to develop an Energy from Waste plant.

A recent environmental survey has highlighted that slow worms have migrated onto part of the land. In order to allow full use of the site MoD is relocating slow worms to the edges of the site prior to the site investigation works. The work is being supervised by Chartered Ecologists and there is no requirement for a licence from Natural England.

MoD has a continuing need to use the land until it is transferred to MVV under a lease in 2012. In the event that planning consent is not granted for the EfW plant, MoD will continue to use the land as a lay down site and relocation of the slow worms will still be required.

John Wade, Construction Director of MVV Environment, said:

'The test piling work follows preliminary site investigations we undertook last year to check the suitability of the ground. This does not in any way pre-empt our planning application.'

MVV has submitted a planning application for an Energy from Waste plant with Combined Heat and Power at North Yard, Devonport to manage the residual waste from Plymouth, Devon and Torbay on behalf of the South West Devon Waste Partnership. Plymouth City Council, the local planning authority, is currently consulting on the scheme.

Plymouth, 23rd June 2011

Notes to editors:

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Environment Agency declares application for EfW plant at North Yard Devonport duly made

The Environment Agency has declared the application by MVV Environment Devonport Ltd for an Environmental Permit for the proposed Energy from Waste plant at North Yard, Devonport, to be duly made. The Agency will now examine the application and consult with the public, with a consultation day to be held at the Tamar View Community Centre in Barne Barton on 20th July. At the end of this process, the Agency will decide whether or not to grant an Environmental Permit for the project.

Paul Carey, Managing Director of MVV Environment Devonport Ltd, said:

"The consultation event on 20th July is by custom organised by the Environment Agency and not attended by the applicant. We see this as another positive step forward in the consideration of our proposals."

MVV's environmental permit application is available at the company's homepage at <u>www.mvvuk.co.uk</u>.

The Environment Agency's announcement comes within weeks of MVV finishing its second series of exhibitions at locations across the city. Around 450 visitors had a look at the information boards and 3D models of the proposed plant. Team members of MVV and SWDWP were available to answer questions and for discussions.

Paul Carey, Managing Director of MVV Environment Devonport Ltd, said:

"We are very happy with the reception our exhibitions and the information received. We talked to many people about their expectations and their thoughts on this project, and more than 50 visitors filled out the feedback form, which gives us the chance to look more closely at their concerns and ideas. The fact that attendance figures at the exhibitions were lower this time than in February indicates that many people are becoming better informed, due to our newsletter and the information we provided in the planning application and at our exhibitions held in February."

Topics on the feedback forms included concerns over traffic as well as architecture, fear of noise pollution and means of waste

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transportation, as well as positive comments, for example about technology and the usage of energy from waste.

In parallel further information on the project has also been requested by the planners at Plymouth City Council. The council has issued a Regulation 19 Notice to MVV Environment Devonport Ltd, seeking clarification on a number of issues in the planning application which MVV submitted in May. This request follows initial comments and replies from the statutory consultees.

MVV is working on preparing the additional information as quickly as possible.

Paul Carey said:

"We welcome the opportunity to further clarify our proposals and provide the additional information requested. With a project this size with more than 3000 pages of material in the planning application, a request under Regulation 19 of the Environmental Impact Assessment Regulations is to be expected and is entirely reasonable."

Plymouth 5th July 2011

ENDS -

Notes to editors:

MVV Environment Devonport Limited is an English registered company with its registered office in Plymouth. It is the subsidiary company of MVV Umwelt. Both companies are members of German utility company MVV Energie, whose headquarters are in Mannheim. MVV Umwelt provides flexible solutions for waste disposal, producing environmentally sustainable energy. In Germany, MVV Umwelt operates six Energy from Waste and biomass plants, managing 1.6 million tonnes of waste a year. With over 45 years' experience, MVV Umwelt is in the top three companies in Germany in its field.

For further information, please contact Harry Hudson at Green Issues Communiqué on 01189 839455 or via email at harry.hudson@greenissuescommunique.com **PRESS RELEASE**

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MVV holds community drop-in sessions

MVV Environment Devonport Ltd is arranging a series of drop-in sessions to give local people a chance to ask questions or raise any concerns in oneto-one meetings. This initiative is part of MVV's continued commitment to keep the community informed and provide the opportunity for further feedback, questions and discussion.

Paul Carey, Managing Director of MVV Environment Devonport Ltd, said: "We are very happy with the reception of our latest round of exhibitions and the feedback we have received. We have talked to many people about their expectations and their thoughts on this project, and we want to continue this process. We appreciate that not everyone who wants to is able to visit our office, so we are arranging these sessions in the community, including one in the evening at the central library, to give more local people a chance to meet us and discuss the scheme in person."

Those who are interested can phone Amanda Booth to arrange a timeslot on 01752 565412 for a specific one-to-one discussion, or alternatively, just call in to one of the venues below on the days and times indicated (the office will not be staffed during these times):

Venue:	Time:	Dates:
Central Library, Drake Circus	4.30pm - 7.30pm	1 Aug, 5 Sept, 3 & 31 Oct,
Devonport Dockyard	10 am -12 noon	3 Aug, 7 Sept, 5 Oct, 2 Nov
(Dockyard staff)		
St Budeaux Community Hall	10 am -12 noon	10 Aug, 14 Sept, 12 Oct, 9 Nov
Tamar View Community Centre,	10 am - 12 noon	24 Aug, 28 Sept, 26 Oct, 23 Nov
Barne Barton		

For further information, see www.mvvuk.co.uk, or write to info@mvvuk.co.uk, or MVV Environment Devonport Ltd, Unit 10, Beacon Park Road, Plymouth PL2 2PQ.

Plymouth 21st July 2011

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For further information, please contact Harry Hudson at Green Issues Communiqué on 01189 839455 or via email at harry.hudson@greenissuescommunique.com

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MVV undertaking piling work at North Yard

MVV Environment Devonport Ltd will be drilling a small number of test piles to check the condition of the ground where the company is proposing to develop an Energy from Waste Combined Heat and Power (EfW CHP) facility. The nature of the work requires approval from Plymouth City Council. Accordingly, MVV has now submitted a planning application.

John Wade, Construction Director of MVV Environment, said:

'The purpose of this phase of test piling work is to gain further information following preliminary site investigations we undertook last year to check the ground conditions. We now need to confirm the design of the piling we have chosen for the site.

This application does not in any way pre-empt our planning application for the main EfW CHP facility, which is currently being considered by the Council. However, should we be successful in gaining planning permission in December, this work will assist in the design of the permanent piles.

The information will also be of use to the MOD in confirming the condition of the ground if planning permission was never granted and they have given their approval for the tests.'

The area of land covered by the proposed EfW CHP facility is made up of crushed concrete, building rubble and other materials which have been deposited over the past 20 years on top of alluvium so the foundations of the proposed EfW CHP facility will require piles. The installation and testing of the piles will take around eight weeks, with a further four weeks for evaluation of the results.

The work will only be carried out between the hours of 08:00 to 18:00, Monday to Friday and 08.30 to 13.00 on Saturday.

MVV submitted a planning application in May 2011 for an Energy from Waste facility with Combined Heat and Power at North Yard, Devonport to manage the residual waste from Plymouth, Devon and Torbay on behalf of the South West Devon Waste Partnership. Plymouth City PRESS RELEASE

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MVV Environment Devonport Ltd MVV Umwelt GmbH Members of the MVV Energie Group

www.mvvuk.co.uk www.mvv-umwelt.de www.mvv-energie.de

Green Issues Communiqué Ltd 30 Friar Street Reading RG1 1DX tel.: 07753 940880 email: harry.hudson@greenissuescommunique .com



Council, the local planning authority, is currently consulting on the scheme.

Plymouth, 16th August 2011

Notes to editors:

MVV Environment Devonport Limited is an English registered company with its registered office in Plymouth. It is the subsidiary company of MVV Umwelt and will be the contractor to SWDWP. Both companies are members of German utility company MVV Energie, whose headquarters are in Mannheim. MVV Umwelt provides flexible solutions for waste disposal, producing environmentally sustainable energy. In Germany, MVV Umwelt operates three Energy from Waste plants as well as three biomass power plants, managing 1.6 million tonnes of waste a year. With over 45 years' experience, MVV Umwelt is in the top three companies in Germany in its field.

For further information or to arrange an interview with MVV, please contact Harry Hudson, Green Issues Communiqué.

email harryh@greenissuescommunique.com, tel: 07753 940880.

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Please reply to: Unit 10, Scott Business Park, Beacon Park Road, Plymouth, Devon, PL2 2PQ

The Editor The Plymouth Herald Plymouth Devon By email

MVV Environment Devonport Limited

Name:	Paul Carey
Telephone:	07768 842 715
Telefax:	n/a
Email:	paul.carey@mvvuk.co.uk
Date:	6th June 2011

Dear Sir

Your paper rightly carries a great deal of debate about waste management these days, a subject which is not normally of great concern to most people. Normally, those of us in the industry concentrate on dealing with thousands of tonnes daily, across the country, of recyclable materials and residual waste that the public normally just forgets about once thrown away. Now people are really beginning to consider the issue of waste, which is very good, but before they react to our recently published proposals they should study them.

Our 3000 page planning application and environmental statement are now available for all to read – on our website <u>www.mvvuk.co.uk</u>. Every necessary detail is there. However, a good and accessible starting point is the 24-page Non-Technical Summary. People can also come to visit any one of our exhibitions starting on 7th June, at Weston Mill Community Primary School (4.30 to 7.30).

We urge everyone to treat sceptically some of the more alarmist and unsubstantiated claims which are being widely publicised but have no scientific basis or credibility, particularly on health. The details of our proposals give the facts of the matter and evidence from independent experts states that energy from waste facilities, such as proposed by MVV, do not have an impact on health. We also urge people to come to our exhibitions to discuss their concerns with us. We can also look at the alternative ways of dealing with waste, and consider the practical realities and economies of some of the apparently new systems compared to allegedly old technologies.

Our proposed energy from waste combined heat and power facility proposed for Devonport Naval Base North Yard represents the state of the art in high efficiency use of the resources that people throw away, with clear sustainability benefits. The wider community in the South West Devon Waste Partnership should be proud to be the potential hosts of such a facility. There is no "away"; the debate is here, in the south-west, and we at MVV look forward to engaging in it at our exhibitions.

Yours faithfully

Paul Carey Managing Director

Directors: Paul Carey, Uwe Zickert Company number: 7412959



Please reply to: Unit 10, Scott Business Park, Beacon Park Road, Plymouth, Devon,

The Editor The Plymouth Herald Plymouth Devon By email

MVV Environment Devonport Limited

Name: Paul Carey Telephone: 07768 842 715 Telefax: n/a Email: paul.carey@mvvuk.co.uk

Date: 23rdJune 2011

Dear Sir

MVV has just completed two weeks of exhibitions in Plymouth and the surrounding area; that exhibition display will now be permanently staged in our offices at Scott Business Park in Plymouth, which is open to the public during business hours.

In the last two weeks we have heard from the community their concerns and comments, and many people left our exhibitions reassured. Some also stated their support, recognising the advantages to the local and wider community coming from the reliable recovery of combined heat and power at North Yard, coupled with the safe and costeffective disposal of their residual housebhold waste.

We recognise that many people still have concerns which need to be addressed. We have established a local liaison committee which provides a further route for the local community to ask questions. Our website remains open and we welcome questions and comments concerning our proposals. Plymouth's planning department has said they will accept comments on the application through the Summer and copies of the planning documents are now available in every library in Plymouth. There is therefore ample time for people to continue to review our proposals and to distinguish between the facts and the fiction. We remain confident that as time goes by understanding of and support for our proposal will grow.

Yours faithfully

Paul Carey Managing Director



Plymouth Business School

University of Plymouth Drake Circus Plymouth Devon PL4 8AA United Kingdom

Email: david.wheeler@plymouth.ac.uk www.plymouth.ac.uk

Professor David Wheeler Dean and Pro Vice-Chancellor Plymouth Business School

Tel +44 (0) 1752 585 510 Fax +44 (0) 1752 585 714

Ms Gerran McCrea MVV Environment Ltd 1 Wood Street LONDON EC2V 7WS

26 August, 2011

Dear Ms McCrea

This letter is submitted in association with the MVV proposal to develop an Energy from Waste Combined Heat and Power Facility on North Yard, Devonport.

As an academic institution we have not taken a stance on this particular development and we have not been involved in contributing to environmental or social assessments or commentary on the proposed development. However, in our role as an educator of students and as a University with a strong interest in the employment prospects of our students we have been very happy to engage with MVV environment in discussions related to education and employment of our current students and graduates. In these discussions, and associated correspondence, a wide variety of potential projects of common interest have been discussed, as described in the attached document.

If MMV's application is successful, we will be very happy to continue these discussions, ensuring that educational and employability benefits to our students of MVV being in the community are maximised. We will also be happy to discuss with MVV joint research projects and other opportunities that might arise. This is entirely consistent with our approach to any major employer in the region.

At no point would we expect staff, students or graduates to engage with any firm whose objectives they do not support. However it is our commitment to our students, graduates and staff to make available all potential opportunities to engage with socially and environmentally responsible businesses for educational or employability purposes. In this context, if MVV is successful in their proposal it will be our pleasure to work with the firm to explore all such possibilities.

With all good wishes

Professor David Wheeler Pro Vice-Chancellor and Dean of the Plymouth Business School

DRAFT TIMETABLE OF COLLABORATION WITH PLYMOUTH UNIVERSITY

	Activity	Commence	End	Notes	Next actions	Ву
	GENERAL					
1	FLUX Event – Plymouth University student enterprise competition	August 2011	16th November 2011	 Possible FLUX scenarios Locating a business in another country Devising a communications strategy for the proposed build MED MD to attend the event as a business "Dragon" 	MVV to produce a FLUX scenario (business challenge)	31 October 2011
2	Guest lectures - general	August 2011	On-going	 Could cover a range of general business activities e.g: Financial modelling Marketing/communications Commercial/contracting 	MVV to contact University to discuss a "shopping list" of potential lectures. MVV to meet with University to discuss further.	w/c 22 August 2011. Sept/Oct 2011.
3	Guest lectures - engineering	August 2011	On-going	 Could include: Civils Process Thermal Mechanical and electrical Design (engineering & architecture) and Design management, Environment CR Safety issues. 	Kier will liaise directly with the University and MVV	August 2011
4	Summer placements	Summer 2012	Summer 2014	3 rounds of placements envisaged.		
5	Site visits	April 2012	Summer 2014	Exact programme to be developed. Visits will support the curriculum.	Agree programme of visits.	
6	STEM Ambassadors	October 2011	On-going	Continuation of Kier's existing engagement.	N/A	

	Activity	Commence	End	Notes	Next actions	Ву
7	Apprenticeship schemes	October 2011	On-going	 Possible attendance at city career fairs aimed at school and college leavers 	Discuss apprenticeship schemes between University and Kier.	
8	Build a bridge event	November 2011				
9	Possible attendance at Plymouth University graduate recruitment fairs	November 2011	November 2013	 Would be considered when recruiting graduates Part of awareness raising 	Discuss fairs with University	November 2013
	WASTE EDUCATION					
10	Undertake social research with local residents to inform positive ways of communicating and developing this new site	September 2011	April 2015	 Advisory project Inform communication strategies Community engagement Collaborative projects 	MVV to meet with relevant staff from University	30 September 2011
11	Longer term education concept for Visitors Centre	September 2012	September 2013	 Advisory project Identify target groups Research local and national waste policies Develop and refine appropriate messages Identify and define activities for MVV's educational concept Project will require close liaison with SWDWP. 	 MVV to produce a detailed brief to include: Objectives Scope Budget Constraints MVV to meet with relevant staff from University to discuss the brief and agree a framework and programme for the collaboration. 	30 September 2011 October 2011
12	Develop a range of educational and informative literature	September 2013	September 2014	Design and produce a range of literature for the Visitors Centre following on from earlier research stage. Project will require close liaison with SWDWP.	As per the agreed programme	September 2013

DRAFT TIMETABLE OF COLLABORATION WITH PLYMOUTH UNIVERSITY

	Activity	Commence	End	Notes	Next actions	Ву
13	Produce book(s) for children and young people	April 2013	September 2014	To involve pupils from Weston Mill and Tamar View schools in the research and writing of a children's book about waste management at MVV, the book written and illustrated by university students Contribute to community engaement activity and link to wider educational concept as 5 and 6 above. Books could be available not only at the Visitor Centre – but also more widely e.g. local shops/libraries/schools etc.	 MVV to produce a detailed brief to include: Objectives Budget Constraints Timescale Meet with University to discuss and agree the brief and the next steps. 	30 September 2011 – for first draft October 2011
	DESIGN AND BUILD					
14	Waste sculpture Design competition	April 2012	June 2013	This could be organised either as a collaborative, multi-disciplinary project, including working with City College Plymouth, or as a competition, advertised to students across Plymouth Subject to final construction programme the design should be chosen by Summer 2013 to allow time to source materials and integrate with overall build programme of the plant.	 MVV and Kier to produce a detailed brief to include Scope Budget Constraints Programme MVV/Kier to meet with relevant University contacts from the Arts Faculty to discuss the brief and the best way forward. 	30 September 2011 October 2011
15	Waste sculpture build	In line with agreed programme	November 2014	Aim – to give practical experience to students – (could involve City College students) End point subject to final decision on use of scrap metal from the IBA re- processing plant.	 MVV and Kier to produce a detailed brief to include Scope Budget Constraints Programme 	30 September 2011

DRAFT TIMETABLE OF COLLABORATION WITH PLYMOUTH UNIVERSITY

	Activity	Commence	End	Notes	Next actions	Ву
					MVV/Kier to meet with relevant University members from the Arts Faculty to discuss the brief and the best way forward.	October 2011
16	Visitor Centre interior design	September 2013	September 2014	Could be a joint project with the Plymouth College of Art Project will require close liaison with SWDWP.	 MVV to produce a detailed brief to include: Scope Budget Constraints Programme 	30 September 2011 – first draft
					MVV to meet with relevant members of the University to discuss the brief and agree the way forward.	October 2011



26 August 2011

Mr P Carey MVV Environment Devonport Ltd Scott Business Park Unit 10 Beacon Park Road Plymouth PL2 2PQ

Dear Paul,

RE: MVV's building application for waste recycling facility

City College Plymouth is pleased to offer support, in principle, for MVV's application to build a waste recycling facility in the city. We welcome MVVs intentions to work with local community partners including City College Plymouth, in supporting skills training, education and new employment opportunities for the local labour market.

Furthermore, the application has a particular focus on renewable energy which builds upon the City of Plymouth's existing strategy and vision in making Plymouth a Green City.

MVV's application will be a valuable addition to the local economy, particularly as there tend to be fewer new entrants to the employer base in the South West in comparison to other regions of the UK.

Yours sincerely,

Vi Megi

Viv Gillespie Principal



Indicative programme of mutual support between MVV Environment Devonport Ltd. and City College Plymouth*

	MVV Activity	MVV	City College Plymouth Activity	ССР
2011				
2011			List of local employer networks supplied to MVV	SH
	Recruit 2 x Graduate Engineers Job Descriptions Finalised in Autumn	AR AR	Advertise/pre-screen students depending on skill/qualification level required by MVV	TG
	Staff Lectures	JGH	Supply of dates for guest lectures etc.	SR
	Supply of MVV Qualification & Apprenticeship Frameworks	HJM/JE	Mapped to UK equivalent qualifications	JMc/PM/AH
	Feed into Leonardo project development	HJM/JE HJM/JE	Details of Leonardo funding and projects sent to Johanna Project proposal development	FH FH
2012	Evaluate the possibility to join the College Employer Endorsement Scheme	JGH	PR and publicity opportunities are initiated	SR
	Begin plant Construction Phase	JGH	Possibility of students working on-site	SR
	Implementation of Leonardo programme	HJM/JE	Implementation of Leonardo programme (including students and CCP staff)	FH
2013	Investigate new project potential for Leonardo Funding	HJM/JE	Investigate new project potential for Leonardo Funding	FH
2014	Recruit Staff Plant operational	AR	Advertise/pre-screen students - MVV to give guidance on competence/qualification Allocate teaching space for new staff to be trained by MVV Put together training package to meet legislation, i.e. First Aid, H&S, Fire Warden etc. and classes on basic skills, i.e. maths, learn how to learn, etc.	TG TG SH
2015	Partnership activities continue into the future		Partnership activities continue into the future	

Legend

City College Plymouth

AR	Armin Reinemuth
HJM	Hans-Joachim Mayer
JE	Johanna Emrich
JGH	Jan Grotmann-Höfling

MVV

AH Adrian Heath AL Alison Lewis

- FH Fiona Horrell
- JMc Julie McLean
- PM Pete Mills
- SH Sarah Holcombe
- SR Sharron Robbie
- TG Teresa Gardner

*Although the activities above are agreed in principle as examples of mutual support between MVV and CCP, this document does not constitute a formal partnership agreement, and that neither party is legally obligated to undertake these activities.