



MVV Environment Devonport Ltd

## ▶ **MVV welcomes South West Devon Waste Partnership's Energy from Waste Treatment decision**

MVV welcomes today's announcement by the South West Devon Waste Partnership that the company has been awarded preferred bidder status for the Partnership's Residual Waste Disposal project. MVV is proposing to develop an Energy from Waste plant at North Yard, HM Naval Base Devonport, which is in the Weston Mill area of the Naval Base bordering Blackies Wood.

Paul Carey, Managing Director of MVV Environment Devonport Ltd (MVV's project subsidiary company), said:

'We are very pleased that, after a rigorous selection process, the Partnership has chosen MVV to help it manage the residual waste from Plymouth, Devon and Torbay and use it as a valuable resource. Our Energy from Waste plant will be able to provide cost-effective, environmentally sustainable electrical energy, sufficient for more than 37,000 households. Additionally, the highly effective CHP plant will provide usable heat for HM Naval Base Devonport and, potentially, local heat demand. The use of this heat will significantly reduce the carbon footprint for MOD and any other potential users and will contribute towards the MOD's green energy targets.'

Mr Carey added that MVV would now be working up a full planning application, including an Environmental Impact Assessment, which he hoped would be submitted to Plymouth City Council, as local planning authority, in the spring. MVV would be carrying out public consultation on the proposal in February.

Plymouth, 6<sup>th</sup> January 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 five Energy from Waste 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 Communications. email [harryh@greenissues.com](mailto:harryh@greenissues.com), tel: 07753 940880.**

**PRESS RELEASE** ◀

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

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**South West Devon Waste Partnership Residual Waste Management Contract: Basic facts and figures**

MVV Umwelt has been appointed preferred bidder for the above contract by the SWDWP and has established a special project company, MVV Environment Devonport Limited, which has its registered office in Plymouth. MVV Environment Devonport will build and operate a state of the art energy from waste plant at the North Yard of Her Majesty's Naval Base Devonport, close to Blackies Wood. Subject to obtaining the necessary consents the plant will be commissioned in 2014.

The contract solution is a modern and well proven combustion grate fired energy from waste combined heat and power plant designed to maximise the recovery of energy contained within household residual waste (ie that household waste, collected from houses or deposited at Recycling Centres, which is left over after recycling and composting) plus commercial and industrial waste from offices, shops and factories which is similar in nature to household waste. The waste is the same as that which would otherwise go to landfill in Devon or Cornwall and contribute to the emissions of greenhouse gases.

The following technical data is made available in advance of a planning application due to be made in the Spring of 2011. Some of the data here may be revised prior to the submission of the planning application.

Parameter	Amount and Units	Comment
Nominal Waste capacity	245,000 tonnes per annum	
Proportion of commercial/ industrial waste	Approximately 30% at the start declining to about 17% at the end of the contract depending on household waste tonnages	MVV will contract with local companies that presently collect such waste and which at the moment is taken to landfill

Parameter	Amount and Units	Comment
Electrical capacity	Up to 22.5 MW depending on steam demand from HMNB (enough for more than 37,000 typical homes)	The majority of the electricity will be consumed by the dockyard and naval base. The balance will be exported to the grid through an existing connection point.
Heat capacity	Up to 23.3 MW	Heat will be used to heat the dockyard and naval base, plus potentially, future district heating systems in Plymouth
Overall net efficiency	39% average, 49% maximum	A normal modern EfW plant without CHP has about 23% net efficiency
Building length	134m	
Building height	15m to 45m	
Chimney height	85m	Could be lower following final analysis
Number of direct employees	33	
Additional indirect workforce	Approximately 70	Depends on maintenance activities which vary from time to time and are subcontracted
Total investment	€250 million	

Parameter	Amount and Units	Comment
Landfill diversion rate	97 – 100%	Depends on actual waste composition
Emissions	All emissions will be below the limits set by the Waste Incineration Directive and monitored by the Environment Agency under the terms of an Environmental Permit, which will be applied for at the same time as the planning application.	
Operational site area	2.6 hectares (6.4 acres)	
Total leased area	6.3 hectares (15.6 acres)	