



Waste2Tricity congratulates PowerHouse Energy Group on receiving a Statement of Feasibility from DNV-GL

As PowerHouse Energy Group's (PHE) Project Development Partner in the UK, Waste2Tricity (W2T) is currently negotiating a pipeline of projects for the commercial deployment of their Distributed Modular Gasification (DMG[®]) technology. To date W2T have engaged with six substantial waste companies which have identified significant advantages from the implementation of the DMG[®] Technology. The most important factor is that, by removing plastic from their existing supply line, they can achieve savings on that waste plastic that would otherwise end up in landfill at a cost of around £120 per ton.

W2T are therefore delighted that PHE has received independent validation of the feasibility of its DMG[®] technology from DNV-GL (www.dnvgl.com), one of the world's leading technology appraisers.

In parallel with PHE advancing the design engineering, W2T, as primary project developer, are in advanced discussions with a major engineering, procurement and construction business to offer a project wrap (a guarantee), initially for their first project. This wrap will underwrite funding for the first system developed from a project pipeline that currently has 15 sites identified. All are co-located sites, where feedstock and electricity offtake are part of the deployment agreement.

A number of these opportunities include multiple trains (i.e., more than one) of the DMG[®] technology. W2T believe the UK waste sector has potential to support at least 200 units, as pressure grows to effectively dispose of unrecyclable plastic. These projects have potential to be upgraded at a later date to provide up to two tons of road fuel cell grade hydrogen per day at 99.999% purity, as confirmed in the DNV-GL report. This would support the rapid development of the hydrogen fuel cell vehicle market, especially for HGVs and buses where hydrogen offers advantages over battery operated vehicles.

W2T will shortly be raising funds via a pre-IPO by way of a private share issue open to high net-worth individuals and approved investors. Details will be available shortly on the W2T website <http://www.waste2tricity.com/>.

About Waste2Tricity Ltd

Established in 2008, Waste2Tricity is a structured solutions provider to the energy-from-waste (EfW) sector, an industry supplying increasing amounts of electricity using feedstock diverted from landfill. W2T works with clients and partners to develop, fund and support EfW deployment projects that use proven technology and are profitable and progressive. In the case of PHE these projects will use high temperature gasification and internal combustion engines to efficiently convert waste plastic to energy and go on to produce hydrogen to support the growth of the hydrogen economy in the future.

Today's Technology – Future Proofed

Waste2Tricity Ltd | Finsgate, 5-7 Cranwood Street, London EC1V9EE | Registered in England & Wales No 6708968

info@waste2tricity.com | www.waste2tricity.com



About PowerHouse Energy Group Plc

PowerHouse Energy has developed Distributed Modular Gasification, a proprietary process technology which can utilise waste plastic, end-of-life tyres and other waste streams. It can efficiently and economically convert them into EcoSynthesis gas from which valuable products such as chemical precursors, hydrogen, electricity and other industrial products may be derived. This PHE technology is one of the world's first proven, modular, hydrogen-from-waste (HfW) processes.

The DMG® process can generate in excess of one tonne of road-fuel quality hydrogen and more than 28 mega-watts per hour of exportable electricity per day. The PHE process produces low levels of safe residues and requires a small operating footprint, making it suitable for deployment at enterprise and community level.

PowerHouse Energy is quoted on the London Stock Exchange's AIM Market under the ticker PHE and is incorporated in the United Kingdom.

For more information visit www.powerhouseenergy.net.

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