



## ASX CODE (GPP)

ABN 22 000 002 111

## ABOUT GREENPOWER

Greenpower Energy is a clean energy technology developer, and is currently progressing the development of 'zero carbon' processes for converting coal to transport fuels, which it can then apply to the company's own sizeable inferred resource of Victorian brown coal. Go to [greenpowerenergy.com.au](http://greenpowerenergy.com.au)

## CAPITAL STRUCTURE

- Shares on issue	92,466k
- Unlisted options	0.7m
As at 30 June 2014:	
- Cash	0.4m
- Shares in listed co	0.6m
- Exploration assets	1.3m

## CONTACT US

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## ASX RELEASE

**GREENPOWER ENERGY LIMITED (ABN 22 000 002 111)**

**QUARTERLY REPORT 30 SEPTEMBER 2014**

**MINING PRODUCTION REPORT LISTING RULE 5.1**

Greenpower Energy Limited (ASX: GPP) is not presently in production or development in any of its mining tenements.

**MINING EXPLORATION REPORT LISTING RULE 5.2**

**VICTORIAN AREAS [EL4500, EL4860, EL4877 and EL5227]**

**Latrobe Valley, Victoria, Resources**

EL4500, EL4877 and EL5227 cover lignite occurrences to the west of Moe Township. Previous exploration by other companies has shown substantial lignite tonnages in a discrete basin covered by EL4500 and EL4877 (western part). A small part of this basin is located within EL5210 a tenement owned by outside parties.

A second basin located to the west of this is covered entirely by EL5227.

Including the resource reported during the current quarter, the company has a total of 573Mt of JORC compliant Inferred lignite.

The work completed during the quarter relating to these tenements was trial production of liquids from samples of the same coal type as described below in the Thermoquatica facility in the US.

Applications for renewals of EL 4877 and EL 4500 have now been made. EL 5227 expires in November 2014 and application will be made in due course.

**Brown Coal Innovation Association 'BCIA' (In Victoria)**

In 2014 GPP joined the BCIA which invests proactively in the development of technologies and people to broaden the use of brown coal for a sustainable future. GPP anticipates this will provide assistance in developing its assets and in particular its Coal to Liquid technology.

In the October 2014 newsletter GPP was pleased that our vision for Victorian Brown Coal was highlighted see [BCIA Spotlight on GPP](#)



## **Coals to Liquids Projects, Latrobe Valley, Victoria**

### **Thermaquatica Coal to Liquid Technology**

In March 2013 the Company had signed a Memorandum of Understanding (MOU) with US-Thermaquatica Inc., to jointly test and develop the Oxidative Hydrothermal Dissolution (OHD) process for the conversion of coals to liquids, and in November 2013 an Agreement was signed to replace the MOU.

The arrangement allows Greenpower to receive an exclusive license to develop and apply the OHD process on a commercial scale within Australia and New Zealand in exchange for contributing USD \$2m towards research on extraction of the products from the OHD liquid.

OHD is a novel and environmentally friendly technology for the conversion of coal and other solid organic material into low molecular weight, water soluble products. Many of the initial products are potentially useful for producing polymers as well as other hydrocarbon based products. The process works by taking the initial macromolecular solid material such as coal and causing a reaction with small amounts of oxygen in high temperature, high pressure water.

Testing of samples of VBC shipped to Thermaquatica's laboratory has continued during the quarter.

During the quarter GPP:

- Continued to investigate new and existing markets for the potential output.
- Progressed the initial preliminary feasibility studies specifically with respect to indicate costings on design and building of a pilot plant and the economics there of
- Held various meetings with Thermaquatica, stakeholders and other industry experts with a view to accelerating the development of the technology.

### **GE Microwaved Plasma-assisted Coal to Liquid Technology**

Having finalised an agreement with GE's Technology Ventures Group, a subsidiary of General Electric Company, (NYSE:GE), the evaluation by the Company of the technical and economic feasibility of the GE Coals to Liquids (CTL) process is continuing.

Victorian Brown Coal (VBC) has been tested at GE laboratories in the United States by the GE CTL process which uses microwave energy to heat the coal to create plasma conditions to assist chemical conversion of the coal into liquid hydrocarbons.

The testing programme was completed at GE's laboratories during last year. A report was delivered to the Company last year and following that report is being reviewed by the Company and its consultant, GE and the Company have agreed to postpone further research while the Company concentrates on the OHD technology described above. Greenpower continues to have an option to take an exclusive commercial license [within Australia and New Zealand] for the process, and general worldwide rights.

## **SOUTH AUSTRALIAN AREAS [PEL 145, PELA 146]**

The Company has decided that the South Australian areas do not fit the Company's present business intentions and arrangements will be made for their disposal/surrender.



## **WEST AUSTRALIAN AREAS [EP447-WALYERING]**

Last year UIL Energy Ltd, (UIL) completed a 2D seismic survey on EP447 to earn a 50% interest in the permit held by Greenpower's wholly owned subsidiary GCC Methane Pty Ltd (GCCM). On 23 August 2013 EP447 was renewed for a further five years.

UIL and the Company have agreed to draft a new Joint Operating Agreement in relation to EP447. UIL agreed to utilise its carried forward expenditure credits free carrying GPP in relation to the renewed Year One permit work obligations.

UIL and GPP are currently working on firming up the current year work plans.

Ends

### **Compliance Statement**

The technical information quoted in this announcement has been compiled by Mr Alan Flavelle and geoscientists under his supervision. Mr Flavelle is a Fellow of the Australasian Institute of Mining and Metallurgy and is a member of the Society of Petroleum Engineers. Mr Flavelle has consented to the inclusion in this report of the matters based on the information in the form and context in which it appears.

### **Competent Person Statement**

The information in this report that relates to Exploration Results and Inferred Resources based on information compiled by John Watts who is a Fellow of The Australasian Institute of Mining and Metallurgy and CEO of Greenpower Energy Limited. John Watts has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". John Watts consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.