



## LEAF RESOURCES LIMITED

Sustainable products from plant biomass

### Australian Securities Exchange Announcement

Leaf Resources Head of Research and Development Dr. Les Edey overnight addressed the 37<sup>th</sup> Symposium on Biotechnology for Fuels and Chemicals conference in San Diego. His presentation outlined technical details and benefits of the Glycell<sup>TM</sup> process to an audience consisting of many of our target companies and technical peers.

Attached is an excerpt of the presentation.

Ken Richards

#### About Leaf Resources Ltd (ASX: LER)

In virtually every industry, consumer demand for greener more natural products is fuelling a surge of interest in bio-based alternatives to replace oil based products.

Leaf Resources is commercialising the Glycell<sup>TM</sup> pretreatment technology: This is the first essential part of the process on a path to bio-based products.

The Glycell<sup>TM</sup> Process is an innovative technology that uses a low cost, recyclable, biodegradable reagent glycerol, in a simple process. This process breaks down plant biomass into lignin, cellulose and hemicellulose at low temperature and pressure.

Cellulose, a critical building block for many bio-based products, produced by the Glycell<sup>TM</sup> processes can be used directly as cellulose fibre, chemically converted to cellulose derivatives or converted to cellulosic sugars using enzymatic hydrolysis. These cellulosic sugars can then be converted to bio-based materials, bio-plastics and green chemicals, the markets for which are extremely large and fast growing.

Leaf Resources commercialisation strategy is to partner with industry leaders across the breadth of product supply chains. This will bring synergies and speed to the commercial adaption of our production process technology in a capital-efficient manner. Leaf Resources sees this path as an effective means of deployment to multiple plants in diverse settings and the opportunity to further innovation in both product and process technologies.

#### Contacts

Ken Richards  
Jay Hetzel

Managing Director  
Chairman

+61 403 385 051  
+61 413 045 478

**LEAF RESOURCES LIMITED (formerly leaf energy ltd) ABN 18 074 969 056**

88 Brandl Street Eight Mile Plains Qld 4113 . PO Box 4037 Eight Mile Plains Qld 4113  
t +61 7 3188 9040 . f +61 7 3188 9087 . [www.leafresources.com.au](http://www.leafresources.com.au)



## LEAF RESOURCES LIMITED

Sustainable products from plant biomass

**LEAF RESOURCES LIMITED (formerly leaf energy ltd) ABN 18 074 969 056**

88 Brandl Street Eight Mile Plains Qld 4113 . PO Box 4037 Eight Mile Plains Qld 4113

t +61 7 3188 9040 . f +61 7 3188 9087 . [www.leafresources.com.au](http://www.leafresources.com.au)