


<p>Company Name and Contact Details:</p>	 <p><i>The Proprietors of Taharoa C Block</i></p>
<p>The Proprietors Of Taharoa C Block Ken Hulls kenhulls@xtra.co.nz +64-7-849 4911 +64-21 188 5633</p>	<p>Core Skill(s):</p>
<p>The Proprietors Of Taharoa C Block (Taharoa C) is a Maori Incorporation which has been successfully engaged in commercial business operations since 1970. In 2004 it commenced investigations into renewable energy based on the sustainable development and use of its landholdings. This initially involved wind power where it has now, using entirely its own resources, successfully consented and is in the final stages of planning of a 40MW wind farm.</p>	<ul style="list-style-type: none"> • Rapid propagation of using advanced laboratory based technologies • Horticultural propagation • Crop yield trials
<p>In 2006 Taharoa C added the development of an “energy crop” capability to complement its work on wind and provide a second technology for its developing renewable energy business. After a global review the incorporation selected Miscanthus x Giganteus (Miscanthus) as the energy biomass most likely to provide the basis for commercial development in NZ.</p>	<p>Biofuel Focus:</p>
<p>Taharoa C, using its own resources and contacts consented the growing of the crop in NZ via approvals from ERMA and MAF. This major development was achieved in late 2008.</p>	<ul style="list-style-type: none"> • Production of 2nd generation ligno cellulosic biomass giving high yields. • Large scale production for: bio ethanol, for co firing with coal, and as a standalone thermal fuel.
<p>Working with a partner laboratory, Taharoa C developed propagation techniques based on organogenesis and somatic embryogenesis which is making it possible for the first time to propagate plants of this (sterile) hybrid through laboratory based, as opposed to agricultural based, techniques. Together with its partner laboratory Taharoa C now offers to produce plants on a commercial basis domestically, and for export and recently completed its first export order to the USA. Part of this order was produced in NZ and part in a laboratory in the USA under license.</p>	<p>Core Product/Activity:</p>
<p>Taharoa C’s primary business objective is the large scale growing of Miscanthus in NZ, for domestic and export markets. This is for Miscanthus as a feedstock for bio ethanol production and also for use as a thermal fuel for dedicated biomass plants or co firing with coal. In the UK alone some 400,000 tonnes per annum is used in co firing and stand alone thermal operations. With regard to its use as a feedstock for bio ethanol, Miscanthus is identified by Verenum Inc and their partner BP Biofuels as a prime feedstock for their biomass to bio ethanol process. The ability to provide long term, consistent quantity and quality are key attributes in the use of Miscanthus for these purposes. Other industrial processes which can use Miscanthus to substitute for fossil fuel feed stocks are being investigated jointly with other industrial partners in NZ.</p>	<ul style="list-style-type: none"> • Propagation for own use and for export • Commercial provider of long term bio mass (for energy) supplies.
<p>Taharoa C has early stage agreements with two energy companies in New Zealand to explore Miscanthus as a biofuel feedstock.</p>	<p>Key Project Activities:</p>
<p>Taharoa C is at the early stages of commercialization and is seeking partners with marginal land suitable for growing Miscanthus, and partners in the overall business of supply to end users.</p>	<ul style="list-style-type: none"> • Currently :1) plant propagation 2) licensing of technologies 3) crop yield trials on sites throughout NZ • Long term fuel supply operations to bio ethanol production and thermal power applications
	<p>Leading Edge:</p>
	<ul style="list-style-type: none"> • Propagation Technologies • Scale production
	<p>Investment Base:</p>
	<ul style="list-style-type: none"> • Taharoa C • Soon to seek other partners
	<p>Employees:</p>
	<ul style="list-style-type: none"> • 3
	<p>Production Capacity</p>
	<p>One million dry tonnes p.a</p>