



Integrated Waste to Energy

Waste to Energy Production through Vertical Integration

2011



Verta Energy is the trading name for Four Rivers Bio Energy Inc's waste to energy business

Forward Looking Statements



Statements about the company's expectations, including revenue and earnings and all other statements in this press release, other than historical facts, are "forward looking" statements and are made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. Such forward looking statements involve risks and uncertainties and are subject to change at any time. The company's actual results could differ materially from expected results. In reflecting subsequent events or circumstances, the company undertakes no obligation to update forward looking statements.



Introduction to Verta Energy



Company Name	<ul style="list-style-type: none">▪ Name: Verta Energy▪ Parent: Four Rivers BioEnergy Inc.
Ticker	<ul style="list-style-type: none">▪ FRBE.OB
Market Cap	<ul style="list-style-type: none">▪ \$4M
Current Price (As of 12/31/2010)	<ul style="list-style-type: none">▪ \$0.50



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Introduction to Verta Energy



- **Founded in 2007 with \$26.5 million:**
 - Acquired an operational bioenergy production facility with feedstock handling infrastructure
 - Acquired site land, with infrastructure to expand to 50MW of power production
 - Tested, commissioned, improved, rezoned and expanded the facility
 - Planned, prepared, negotiated and acquired feedstock production capability to secure margins

- **Vertically integrated waste to energy producer with a facility in the Northeast England**

- **Aim: Commence production of renewable electricity on the site and secure proprietary upstream feedstock through vertical integration**
 - Acquiring an on-site liquid biomass collection and aggregation capability through roll up and application of our know-how in processing and handling liquid biomass waste products into viable feedstocks
 - Establishing an on-site power generator fueled primarily by these processed and captive feedstocks



Vision and Strategy



- **Vision and Strategy**

- US quoted company with access to capital
- Build a renewable energy company with 100 MW+ of power generation from waste feedstocks in the U.K. and U.S., on a phased basis
- Closed loop – waste to energy
- Vertically integrate to control the “upstream” supply chain and capture margins
- Take advantage of the global financial collapse to acquire assets from distressed situations at a deep discount to cost

- **Project 1 Timeline – UK Site in Northumberland**

- Phase I: Infrastructure acquisition, reconfiguration and development (Complete)
- Phase II: 7 MW – Obtain all necessary licenses, commence production and integrate captive feedstock
- Phase III: 20 MW – Expansion and fully integrated feedstock supply
- Phase IV: 50 MW – Expansion and fully integrated feedstock supply

- **Future Growth**

- Build out “Waste to Energy” projects in the U.K and U.S.
- Current Pipeline: Potential 20 MW project to be initiated on existing U.S. site
- Use existing infrastructure to incubate new technology businesses for future integration

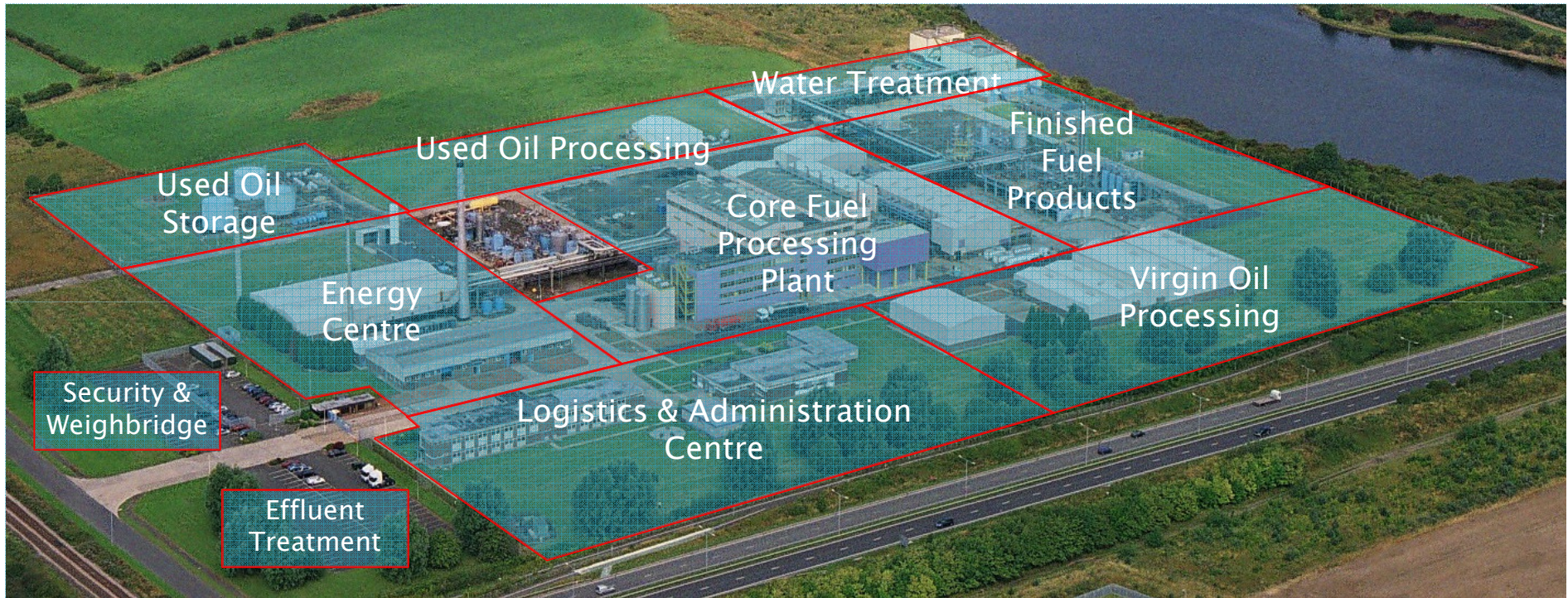
UK Site and Infrastructure



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UK Site – Zoning overlay



Vertical Integration



- **Objective:**
 - To be self sufficient in feedstock supply
- **Implementation:**
 - Establish on-site processing, storage and handling facilities for liquid biomass to produce viable feedstocks from a range of biomass sources
 - Merge and acquire businesses in the liquid biomass waste supply chain
 - Establish on-site grain crush capability to sell own oil into the food supply chain and capture waste biomass on back-haul
 - Identify and exploit opportunities to import liquid biomass, especially where arbitrages exist or domestic volume is low
 - Expand our existing knowhow in liquid biomass processing and handling to allow wider range of base feedstock to be processed
 - Introduce our own proprietary STT technology into the processing plant to expand and accelerate processes there



Vertical Integration



- Multi-feedstock supply provides optimal operational flexibility
- Integration into supply chain helps to secure supply, quality and price
- Application of our own processing and handling know-how and technologies:
 - Improves efficiency
 - Broadens scope to process different types of biomass



Vertically Integrated Waste to Power



- Waste to energy business producing renewable electricity from low cost, captive waste supply
- Owns site (over \$80M invested since construction) in UK providing accelerated entry into waste to power space
- Phased expansion of production facility, using existing infrastructure, whilst building proprietary upstream feedstock. Commencing production of electricity in mid-2011
 - Power production capacity up to 50MW by 2012 - 2013
 - Vertical integration to capture low cost renewable feedstocks



Key Milestones Achieved



- Acquired UK Site at a significant discount to cost
- Re-zoned site and prepared for installation of integrated processing facilities
- Base infrastructure for energy generation, fuels processing and storage already in place
- Sub-station to take electricity into grid
- Established strong relationships with local regulators and have commenced permit enhancement for new activities on site
- Targeted vertical integration of feedstock businesses, infrastructure and expertise
- Tested crush plant and relationship with equipment supplier
- Recruited core management team with strong, experienced operational and corporate management skills
- Established relationships with offtakers for energy and surplus fuels and targets for supply chain integration



Senior Team



Steve Padgett, CEO & Director

- A Chartered Accountant who specialised in Corporate and Project Finance, mergers, acquisitions and disposals in a UK practice. Also has an Engineering background with ICI.
- Performed the roles of FD, COO and CEO of a number of listed companies over the past 10 years and has been involved in multi million dollar petrochemical and renewable projects. Led the organic and acquisition growth of Supporta plc as the CEO from 2005 to 2007, completing seven acquisitions, three disposals and created a team of 2800 staff in 29 offices across the UK
- Was instrumental in the acquisitions and financings completed by Four Rivers to date and was appointed as CEO in October 2009

Martin Thorp, CFO & Director

- Former Managing Partner with Arthur Andersen in London and New York
- Formed Arthur Andersen's first dedicated Corporate Finance practice, initially in London in 1990. Subsequently grew that business into a \$1bn global restructuring and corporate finance firm of he was CEO until 2003
- Subsequently involved in several corporate ventures, small cap quoted companies and executive board positions – engaged as CFO / director of Verta since 2008.



Senior Team



Gary Hudson, Founder, SVP Operations & Director

- 40 years providing consultancy and project management services to the petrochemical and renewable energy sectors
- Previous Project Director of GTL Resources, developing gas to liquids methanol and bio-energy projects
- Held senior and corporate management positions at Bechtel, Dragados, Mannai Corporation, Fred Olsen, Matthew Hall and Brown & Root

Paul Watts, Head of UK Site Operations

- Previously with the BAT conglomerate, involved in development of Greenfield sites which involved plant installations, staff recruitment, employee training, and performance development projects
- Human Resource Director in a multi-site, blue chip manufacturing and retail group employing in excess of 6000 people in the UK and overseas



Senior Team



Stuart Hackett, Commercial Manager

- Previously with North East Biodiesel. Researched, designed, and built a rape seed extraction plant capable of producing in excess of 250 tons of virgin oil per week
- Very involved in the work of NEPIC, a body representing Bioenergy and chemical processing businesses in the North East of England
- Leading reconfiguration of the UK site to implement the Waste to Energy Plant as well as the commercial and operational arrangements for the planned Rapeseed Crush Plant

Anthony Hackett, UK Project & Logistics Manager

- Managing the logistics of feedstock and offtake products from the Rapeseed Crush Plant
- Qualified in logistics management, and was involved in setting up A.M. Commercials to sell plant and equipment worldwide
- Helped set up North East Biodiesel Ltd and was heavily involved in research, development and installation behind seed extraction plant



Summary



- Phase I of UK Project is complete in line with strategy
- Planning for expansion developed
- Funding process underway (to the extent required)
- Business Model mitigates Business Risks
- Growth opportunities already identified



Investor Relations



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