

HPEC Pilot Trial Project Highlights

HPEC Patented Pilot Trial unit to be built and tested at site: 5205 AP Parrish Lane, Powell Butte, OR 97753	
Summary	The HPEC High Heat Thermal Conversion (hybrid gasification) process will produce year-round high-quality electric power and non-labile biochar from various types of biomass waste, such as hemp flour, corn stover, horse waste, and some integrated plastics. This on-site process will result in significant cost savings for farm operations and regional infrastructure, providing utility grid electricity, EV, and hydrogen charging stations. These financial benefits, coupled with the opportunity to capture carbon credits for resale, make this proposal a compelling opportunity for our investors, farm owners and regional infrastructure stakeholders.
Vision	Produce affordable, local, on-site energy for everyone to power rural farms, towns and villages globally, using robust domestically manufactured equipment.
Mission	Manufacture cost-effective modular systems that can be deployed regionally to maximize fossil fuel equivalents, resulting in lower-cost power and a lower carbon economy.
Results	<p>Our proposal involves an energy collective licensing and owning technology with a shared goal. To produce local on-site electric power that is modular, replicable, and economical.</p> <p>This will be achieved through pilot unit testing, upscaling, & engineering a six-tube thermal conversion unit, with an effective biochar bio product and carbon credit program.</p>
Impact	The solution will provide low- to no-cost electricity using on-farm feedstock. Each unit will have a solid return on investment from selling excess electric power to the grid of three years. This will offer cleaner fuel sources for regional farms and villages. The non-labile biochar will maximize regenerative agriculture and soil fertility on farms with excess sold through our distribution network. We anticipate a reduced carbon footprint and estimate carbon credits at \$140,000 per year per site (ref: MSCI).
Phased Investment required	<p>Phase 1: \$75,000 Angel Investment for start-up – today Q2 - 2024</p> <p>Phase 2: \$425,000 Fund Trial to Commercialization design – Q4 2024</p> <p>Phase 3: \$2,000,000 Fund commercialization of two production units Q4 - 2025</p> <p>Phase 4: \$5,000,000 Fully Integrated lean manufacturing production facility Q4 -2026</p>
Commercial Unit suggested EBITDA max annual volume per unit. cost est. \$1,000,000 15,000 kWh electricity 675 tons of biochar Three-year ROI.	<p>Annual Available electricity 10,162 kwh</p> <p>Annual Biochar per year 675 tons</p> <p>Bagged biochar revenue potential \$337,500</p> <p>Saleable electricity potential \$439,000</p> <p>EBITDA on \$1mm investment \$550,000 with a <3 year payback.*</p>
Disclaimer page 1	* Forward-thinking statements – under NDA. Not a guarantee of earnings.

<p>Investment Pilot</p> <p>(2.5 X growth gain) *</p> <p>Investment Commercialization</p> <p>(14 X growth gain) *</p> <p>Future Opportunity</p>	<p>Phase 1 & 2: Offering \$500,000 in Unit Blocks of \$25,000 USD</p> <p>Phase 1: Three blocks to \$75,000 USD offers 3% ownership and FROR of phase 2. (\$25,000 for 1% equity per block)</p> <p>Phase 2: Seventeen blocks to \$425,000 offers 7% ownership and FROR of phase 3 (\$60,000 for 1% equity block)</p> <p>Phase 1 & 2: Secured by collateralized trial product output – biochar and electricity potential.</p> <hr/> <p>Phase 3 to 5: Maximum up to \$7 mm - Investment into manufacturing facility and established sales channel of units. Preferred & Common equity stock up to 20% or joint venture/partnership integration into the collective.</p> <p>Future potential investment into patented low-cost hydrogen production with theoretical value below \$1/kg plus fuel cell storage.</p> <p>Increasing HPEC value once integrated into HPEC commercialized units.</p>
<p>Disclaimer page 2</p>	<p>* Forward-thinking statements – under NDA. Not a guarantee of earnings. Growth from share price.</p>

