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Douglas County RFEI#29-94 (Equipment Proposal)
Biomass/Biochar Facility – Equipment Proposal

COMPLETE SOLUTIONS WASTE TO ENGERY & BIOCHAR PROPOSAL

NO. 202505-01 – BET31S-PRD UNIT

Complete Solutions Consulting International Inc.
310 Circle Drive, St. Albert, Alberta, Canada

June 5, 2025

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1.0 Quotation Summary

Complete Solutions Consulting International Inc. (CSCI) submits this quotation to Douglas County (DC) for the supply of equipment for producing Biochar in Douglas County. CSCI will work with DC to assist in the facility design. The complete system will be designed for the purpose of consuming woody biomass residuals and converting it into Biochar. Additional integration is required outside this pricing.

A CSCI representative will be on site during delivery, and to supervise the set up, start up, and commissioning when coordinated in one trip. CSCI deliverables include: 12-month operating license for the BET System, 12-month manufacturer's warranty from defect and 12-month BET System O&M support/troubleshooting.

Barring disruptions beyond its control, CSCI will be ready to load the BET System deliverables at the manufacturer's site in Versailles, MO, within 48 weeks of the date it receives the Customer's Milestone 2 payment as outlined in Section 5.1. Delivery dates will be confirmed upon Milestone 2. Pricing is valid until July 28, 2025.

This proposal is limited to the supply only of a single BET31-PRD for the purposes of converting woody biomass into Biochar.

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June 5, 2025

Douglas County
301 Wilcox Street
Castle Rock, CO, USA

ATTN: Holly Carrell

RE: Douglas County – Waste to Energy & Biochar
CSCI Quote No. 202505-01 – Sustainable Waste to Energy System Components

Dear Holly,

Please see below and the attached back up documentation for the pricing as requested for a single BET PRD Unit.

Single BET31-PRD **$1,602,921.00 USD**

(Approx.: 1.5 T of feedstock input – No PRD feedstock equipment)

The base system includes the following:

- **1 x BET31S-PRD (1.5 Ton per Hour)**
  - Biochar grates for production on the primary c/w 6’ discharge auger
  - 2 Infeed conveyors (12’&16’)
  - 2 Biochar outlet augers c/w pneumatic airlocks. (20’ Primary & Drum)
  - Quenching system (non-chlorinated water)
  - Basic PLC control package with remote access. Monitor only, no remote control included
  - Custom CSCI exhaust stack

Additional equipment will be required for full building integration options, not currently included in this proposal.

Clarifications:

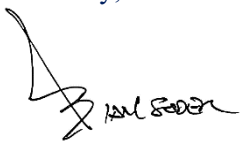
- All Taxes / Duty / Tariffs are additional to this pricing.(See Appendix B)
- Storage of equipment when ready for delivery, if site is not ready, will be additional.

- Freight / Hoisting / Assembly & Handling.
- See Appendix A-I for additional clarifications and information.

Pricing is subject to all terms and conditions included in this proposal and is only in effective until July 28, 2025.

We look forward to working with you on your upcoming project.

Sincerely,



Ian Soder, CET, GSC
Complete Solutions

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Proposal acceptance in full, please execute the following:

Douglas County
301 Wilcox Street
Castle Rock, CO, USA

Signature:_____

Name: Holly Carrell

Title:_____

Complete Solutions Consulting International Inc.
310 Circle Drive
St. Albert, AB T8N 7L5

Signature:_____

Name: Ian Soder

Title: Director

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2.0 Appendix A - Basis of Quotation

1. The primary and secondary biomass feedstocks for the BET-PRD Systems will be clean, green wood chips and/or sawdust local to the Customer's location. Feedstock should be screened to less than 2" or smaller and contain a minimum of 25% moisture to a maximum of 65%. However, in some instances the system can function outside the above moisture range.
2. Additional feedstocks that can be included as a mixture with the primary biomass feedstock should be processed in accordance with the BET operator's manual to ensure proper combustion and optimized system performance.
3. The BET PRD unit can be operated at different throughput and temperatures depending on client operations. The operation will also impact the quality and output of Biochar.
4. CSCI recommends 100% supervision during operations. Un-supervised operations is possible with experienced operators, material handling, and appropriate remote monitoring and alarm systems. Operations will be driven based on material handling and monitoring systems utilized.
5. Biochar is quenched with potable water when leaving the BET PRD system. Storage of Biochar and inherent safety considerations around storage are the responsibility of DC.
6. The thermal energy from the BET unit can be directed through a certified boiler system to allow the heat to output in liquid form, suitable to be tied into existing heat systems or other mediums for the purposes of providing heat and to provide the heat loop for the downstream ORC electric generator module.
7. The 12 month operating license allows the Customer full access to product updates and new release materials for 12 months at no additional cost.
8. As part of the 12 month manufacturer's warranty from defect, BET will replace failed parts, except where part supplier provides evidence that failure occurred due to noncompliance with BET system/component operating guidelines.
9. The 12 month technical support from BET includes unlimited remote product support at no charge. Site visits for technical support, beyond initial set-up, will be chargeable.
10. CSCI retains the right to promote the project, including images, and video of the site and facility.

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3.0 Appendix B – Additional information:

Below are action and information items for Douglas County as they work through this project with Complete Solutions and other Stakeholders. These items are identified to ensure a full picture of issues to consider while developing the overall project.

Action Required:

- **Payments** – Pay invoices on time to ensure project timelines
- **Engineering** – Any engineering for the project and equipment
- **Installation** – Crew to install equipment
- **Media** – Include Complete Solutions in media events

Information / Assumed:

- **Payments**
  - All Taxes / Duty / Tariffs.
  - Milestone payments to CSCI per clause 5.1.
- **Engineering**
  - Overall system integration engineering with building components.
  - All permits as required for the site area, including engineering if required.
  - Engineering for exhaust pipe detail in relation to the building components. Airflow is required to maintain cooling of building systems in proximity to the PRD unit.
  - 70Amp / Three Phase / 480V for each PRD unit (optimized during BET system detailed design) electric power supply for CSCI PRD deliverables. CSCI recommends minimum 100Amp
  - Additional power as required for all other additional equipment – TBD.
  - Overall engineering for each component integration and with the building systems. This includes the interconnect details between the optional Boiler, building heat systems, cooling systems, and building components.
  - Emissions testing, as required, by Local, State, and Federal Agencies. This is in addition to the emissions report included in this proposal.
  - A compacted surface or foundation engineered to carry skid mounted BET system weight.
  - Supply and management of all fuel for PRD equipment operation, including any handling outside of the completed fuel receiving system.
  - CSCI and BET will have unrestricted access for observing real time system status 24/7/365 (and operating data history). DC work includes providing remote (internet connection or like acceptable to CSCI) 24/7/365 access thereto.
  - DC to supply natural gas or propane connection for oxidation Q-Series burner.

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- Water line connection as needed for quenching of biochar or increasing moisture content if required, based on actual fuel utilized during operations.
- See other areas of proposal for additional clarifications.

- **Installation**
  - Freight / Hoisting / Assembly & Handling.
  - Additional options must be installed at the same time as the BET-PRD UNIT equipment. Additional trips will be extra to this pricing.
  - Mechanical work, such as interconnects, piping, cooling loops, headers, etc.
  - Miscellaneous metal work such as conveyor stands, and feedstock deflectors as required for local set up.
  - Electrical work, such as site Interconnects, Terminations, additional feeds, etc.
  - Feedstock shredding, chipping, screening, receiving, and transporting systems.
  - Miscellaneous metals, including stands, hoppers, and deflectors as required.
  - Daily Operations of the overall system including all checks, maintenance based on Manufacturers requirements.
  - Hoisting equipment for unloading and set up equipment on site. Crane/forklift/telehandler with operators on site to be utilized for unloading and set up of equipment.
  - Labour and equipment required for the set up of all equipment, with the supervision of CSCI personnel.
  - Supply and install of a shelter for PRD operations. CSCI recommends all equipment is operated under a shelter. Water system for quenching needs to be protected from freezing.
  - DC and CSCI will both maintain proper insurance as required for the project work.

- **Media / Public Relations**
  - DC will include CSCI during media communications related to the project and provide access to CSCI for BD & PR activities.

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4.0 Appendix C - CSCI Inputs

1. Overall project support relating to site layout, the implementation of equipment and the delivery to site. Client is ultimately responsible for design.
2. Remote (zoom/teams) support for system integration between the equipment manufacturers (PRD / Boiler) and DC design and construction group for overall system.
3. Invite DC representatives to observe final manufacture of BET equipment and loading components/subassemblies onto trailers/crates at manufacturing site. CSCI will meet at the BET manufacturing facility to inspect prior to shipping to site. (Client travel costs are by DC)
4. Provide one pre-mobilization site trip for initial site visit and groundbreaking activities.
5. Provide on site supervision for up to 2 weeks for installation, start up/commissioning of BET system.
6. Two additional site visits for up to 3 days.
7. BET remote support as necessary for optimizing BET performance to owner's feedstocks.

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5.0 Appendix D - Financial

5.1 Payments Schedule

This quotation is based on DC electronically wire transferring milestone payments into the CSCI account as follows. All numbers are before applicable taxes.

- **10% Deposit required by July 28, 2025 to lock in pricing.** Initial deposit is completed at time of wire transfer, not from invoice date.
- Additional 45% required by August 28, 2025, or sooner, to start manufacturing and confirm delivery date, completed upon wire transfer, not from invoice. Pricing is subject to change for this unit if payment not received by this date.
- Manufacturing progress due payable 90 days after payment 2 is received.
- Unit inspection progress will allow release of equipment from the manufacturer, completed upon wire transfer, not from invoice. Client is invited to inspect equipment prior to shipping at their own cost.
- All numbers are in USD.

Payment Schedule		
	Description	**Payment**
	TOTAL COST:	**$ 1,602,921.00**
1	Initial Deposit **(10%)** by July 28, 2025	$ 160,292.45
2	**Manufacturer Deposit (45%)** by August 28, 2025	$ 721,314.45
3	90 Days after Manufacturing Deposit **(25%)**	$ 400,730.25
4	Unit Inspection and prior to Freight **(15%)**	$ 240,438.15
5	Equipment Delivered **(3%)**	$ 48,087.63
6	Commissioning Complete **(2%)**	$ 32,058.42
		$ 1,602,921.00

5.2 The Warranty

All warranties from the equipment provided through CSCI will be **direct from Manufacturer to DC**. CSCI will support as we are able, however, the warranty will be carried directly between the equipment manufacturer and DC.

12-month BET system parts replacement from date CSCI deliverables are commissioned on site. Warranty applies to mechanical, electrical and control components (breakers, sensors, motors, actuators, and like). Wear materials (e.g. high temperature envelope linings) are excluded.

Owner pays cost of transport of replacement parts from supplier's address to Owner project site, and installs replacement parts as needed.

Once Client confirms equipment required, each manufacturers warranty will be provided.

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6.0 Appendix E - Other Conditions

- Unless otherwise agreed, the client remains Prime Contractor/Responsible Party for all Work/Safety on the client's site.
- Manufacturers warranty will be provided as noted in the attached from Biomass Energy Techniques.
- Liquidated Damages and/or Consequential Damages, in any form, will not be accepted by CSCI or Biomass Energy Techniques.
- CSCI does not and will not carry Workers Compensation Coverage. CSCI support for installation is purely supervision, no physical labour is included from CSCI.
- Operation of the system is required to be within the Operations Manual from the manufacturer. Deviation from this may void warranties.
- CSCI maintains access to the equipment for demonstration purposes with coordination through the Client. NDA can be reviewed as required by the Client.
- All emissions testing data will be made available from DC to Complete Solutions International Inc. upon request, for the duration of system operation.
- Feedstock for the BET System has no high hazard contents (including but not limited to: radioactive materials, mercury-fluorescent light bulbs/tubes, arsenic, lead, sulphur, batteries, chlorine-other halogens, and like materials requiring special consideration) that may cause BET emissions to exceed governing authority emissions limits.
- Standard payment terms for DC are Net 30, on progress payments. Deposit and payments per manufacturer schedule are required for manufacturing to proceed and are dated once funds have been transferred. This deposit schedule is based on the total cost of the system, excluding PC Sums. Time frames for the project are based on received payment date, not invoice date.
- Bonding or Surety of any form has not been included in this proposal.

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7.0 Appendix F - Ongoing BET O&M Support

The BET system, excepting automation system software, can be maintained by appropriately qualified contractors; utilizing remote guidance from/consultation with BET representatives where required.

BET system operators should make a "trouble call" to BET whenever they cannot achieve BET system operation consistent with contracted performance.

Owner will allow unrestricted internet access 24/7/365 to its BET automation system so CSCI representatives can, at any time, access the BET system computer and remotely view the same real time information displayed on the site BET automation system monitor. BET will advise Project BET system operators when BET detects a system irregularity.

A CSCI representative(s) will travel to site if/as required for troubleshooting/supporting BET system service personnel. **Costs are as per the attached rate sheet and a separate contract agreement can be made for these services if required.**

CSCI Rate Sheet		
	Description	**Rate**
1	CSCI Technical Support (hourly – remote – minimum 2 hour)	$ 125.00
2	CSCI Technical Support (daily – on site – including travel days)	$ 1,250.00
3	All Business travel (costs + 15% OH&P)	15%
4	All third-party costs as required (cost + 15% OH&P)	15%

Note:

All rates are in USD unless noted otherwise
All pricing & rates are excluding tax unless noted otherwise
All third-party invoices will include a 15% Overhead & Profit
CSCI Rate Sheet pricing valid until December 31, 2025

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8.0 Appendix H - Complete Solutions History & Team

There is potential energy everywhere around us. Our current world consumes products and doesn't utilize all the energy before filling landfills. It was with this mindset that CSCI was incorporated in early 2020. The concept of converting the potential energy of waste into something usable was the driving force behind CSCI.

Since the start of 2020 we have worked with Biomass Energy Techniques and other technology companies to develop solutions to clients' needs for waste, heat, energy, and carbon footprint.

Summer of 2021 allowed for a full-scale pilot plant in Stony Plain, Alberta, Canada. This allowed for sustained testing throughout the summer and into the fall of various types of feedstocks. We were able to test the throughput, operating conditions, emissions data, and material handling of various feedstocks. Feedstocks include woody biomass (sawdust/wood chips/shredded wood), pulp & paper sludge, sanitary sewage sludge, plastics, cardboard, municipal solid waste, organic greenhouse waste vines, coconut matting waste, and others.

CSCI is currently working with multiple clients in the United States and Canada for custom system implementations. Each client has unique needs and costs, therefore all systems we work with are slightly unique to the end user.

Technology is utilized from off the shelf products from around the world to complete each system. However, the base technology for all of our systems remains the Biomass Energy Techniques (BET) Pyrolysis Rotating Drum (PRD).

8.1 Complete Solutions Leadership

Ian Soder, Director, and Founder has over 20 years experience in the construction industry in western Canada. Most of this time was spent working with Water and Wastewater treatment plant construction. This experience with complex systems has helped forge the basis of what CSCI is today.

Jason Holtz, Director, has over 30 years of experience in the construction industry in North America. Most of his experience is in the steel manufacturing business. Structural steel, specialty metals, and custom fabrications have all led to great input on the overall systems utilized by CSCI' Clients.

8.2 Biomass Energy Techniques

BET currently has over 130 operating systems around the world. Their production facility for all manufacturing is in Versailles, MO, USA. Only minimal components come from overseas. Most of the products which go into the equipment is made in the United States of America. See below map of current BET equipment locations in the United States:

8.3 Current sites operating the BET24S-PRD:

Most companies which are operating the equipment do not wish to share information due to the proprietary nature of their operations. However, we are working with BET and the two following companies to allow for potential clients to contact a current operator of the equipment:

- Metzler Forest Products, Alan Metzler, 717-994-2924
- Bio Carbon Solutions LLC, Jerry Stutzman, 270-970-8243

See below link for more details:

https://biomassenergytechniques.com/bet-applications/

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9.0 Appendix I: Additional Information

9.1 BET31-PRD Data Sheets.