

## DESCHUTES COUNTY DOCUMENT SUMMARY

This form is required to be submitted with all contracts and other agreements, regardless of whether the document is to be on a Board agenda or can be signed by the County Administrator or Department Director. If this form is not included with the document, the document will be returned to the Department.

Please complete all sections **above** the Official Review line.

**Date:** 12/16/2024 **Department:** Solid Waste **Document Number:** 2024-950

**Type of Document:** Services Agreement

**Starting Date:** December 12, 2024 or the date on which each party has signed the contract

**Ending Date:** December 31, 2025

**Contractor/Supplier/Consultant Name:** Parnel Biogas, Inc.

**Annual Value or Total Payment:** \$428,240.15

**Purpose of Document:** In October 2021 the Oregon Department of Environmental Quality (ORDEQ) adopted OAR 340-239 relating to landfill gas emissions. The rule outlined additional requirements for monitoring landfill gas (methane) through Surface Emissions Monitoring (SEM) to quantify concentrations of methane on landfills. The rule also outlines testing parameters for both open and enclosed flares for mandatory gas collection and control systems (GCCS). The Knott Landfill GCCS is currently operated as a voluntary system to control the movement of gas from the property to neighboring properties, therefore was exempt from the required source testing of the flares.

In December of 2023 the Department of Solid Waste received the Title V Permit No. 09-0040TV-01 renewal from the ORDEQ . Language in the renewal requires the use of an enclosed flare that can be source tested through specific standards as defined in the permit or an open flare that can be tested through the same method regardless of the GCCS being a voluntary system. The existing open flare was not designed to be source tested using the method options specified in the permit renewal. The current open flare is approximately 8 years old and was built by Parnel Biogas Inc. Some features of the flare including the skid, blowers and blower motors are reusable. By sole sourcing with Parnel Biogas Inc. to reuse compatible components off of the existing flare there is an estimated savings to the County between \$175,000-\$325,000 based on an engineered estimate provided by Jacobs engineering of what a new flare may cost. It is anticipated that the flare will operate only as a back up to the RNG facility with a yearly run time of 262-438 hours (3-5 percent respectively).

This services agreement is for the purchase of enclosed flare components and start up services for the completed enclosed flare.

Insurance certificate received (check box and add certificate to document or note N/A)

Insurance expiration date: 9/2/2025 Risk Mgmt review/date:

Contract initiation method:

RFP, solicitation or bid process

\*if a grant, see signature authority section on next page

- Informal quotes (<\$250K)
- Exempt from RFP, solicitation or bid process (specify below – see DCC §2.37)

County Code 2.3.090.D.2. Is reasonably expected to result in substantial cost savings to the county or to the public, or otherwise substantially promote the public interest in a manner that could not practicably be realized by complying with requirements that are applicable under ORS 279B.055, 279B.060, 279B.065 or 279B.070.

**Does this contract or agreement require payment to a vendor?**  Yes  No

If **Yes**, is the vendor registered in Munis?  Yes  No

**Funding Source:** Included in current budget?  Yes  No

Cost Center/Project String: 6136250

If **No**, is a budget amendment required?  Yes  No

**Departmental Contact and Title:** Jeff Merwin, Compliance and Infrastructure Manager  
**Phone #:** 541-322-7180

**Department Director Approval:**

  
 \_\_\_\_\_  
 Signature

12.17.24  
 \_\_\_\_\_  
 Date

**Distribution of Document:**

Return to Solid Waste for distribution

**Official Review:**

County signature required (check one):

- BOCC (more than \$250,000) – BOARD AGENDA Item
- County Administrator (up to \$250,000)
- Department Head/Director (up to \$50,000)

For grants, signature required (check one):

- BOCC (more than \$50,000) – BOARD AGENDA Item
- County Administrator (up to \$50,000 if no match required and no new staff hired)
- Department Director (up to \$10,000 if no match required and no new staff hired)

Legal Review \_\_\_\_\_ Date \_\_\_\_\_

For Recording Stamp Only

**DESCHUTES COUNTY SERVICES CONTRACT  
CONTRACT NO. 2024-950**

This Contract is between DESCHUTES COUNTY, a political subdivision, acting by and through the Solid Waste Department (County) and Parnel Biogas, Inc. (Contractor). The parties agree as follows:

**Effective Date and Termination Date.** The effective date of this Contract shall be December 12, 2024 or the date, on which each party has signed this Contract, whichever is later. Unless extended or terminated earlier in accordance with its terms, this Contract shall terminate when County accepts Contractor's completed performance or on December 31, 2025, whichever date occurs first. Contract termination shall not extinguish or prejudice County's right to enforce this Contract with respect to any default by Contractor that has not been cured.

**Statement of Work.** Contractor shall perform the work described in Exhibit 1.  
**Payment for Work.** County agrees to pay Contractor in accordance with Exhibit 1.  
**Contract Documents.** This Contract includes Page 1-9 and Exhibits 1, 2, 3, 4, 5, and Attachment A.

**CONTRACTOR DATA AND SIGNATURE**

Contractor Address:  
Federal Tax ID# or Social Security #: 73-1570805  
Is Contractor a nonresident alien?  Yes  No  
Business Designation (check one):  Sole Proprietorship  Partnership  
 Corporation-for profit  Corporation-non-profit  Other, describe

A Federal tax ID number or Social Security number is required to be provided by the Contractor and shall be used for the administration of state, federal and local tax laws. Payment information shall be reported to the Internal Revenue Service under the name and Federal tax ID number or, if none, the Social Security number provided above.

**I have read this Contract including the attached Exhibits. I understand this Contract and agree to be bound by its terms.** NOTE: Contractor shall also sign Exhibits 3 and 4 and, if applicable, Exhibit 6.

Jeff Parker Signature President Title  
JEFF Parker Name (please print) 12/12/24 Date

**DESCHUTES COUNTY SIGNATURE**

Contracts with a maximum consideration of not greater than \$50,000 are not valid and not binding on the County until signed by the appropriate Deschutes County Department Head. Additionally, Contracts with a maximum consideration greater than \$50,000 but less than \$250,000 are not valid and not binding on the County until signed by the County Administrator or the Board of County Commissioners.

Dated this 16<sup>th</sup> of February, 2024 Dated this \_\_\_\_\_ of \_\_\_\_\_, 20\_\_\_\_  
TIM BROWNELL Signature ANTHONY DeBONE Signature  
TIM BROWNELL, DIRECTOR OF SOLID WASTE Title PATTI ADAIR Signature  
PATTI ADAIR, Vice Chair, County Commissioner Title

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PHIL CHANG, County Commissioner

## STANDARD TERMS AND CONDITIONS

1. **Time is of the Essence.** Contractor agrees that time is of the essence in the performance of this Contract.
2. **Compensation.** Payment for all work performed under this Contract shall be made in the amounts and manner set forth in Exhibit 1.
  - a. Payments shall be made to Contractor following County's review and approval of billings and deliverables submitted by Contractor.
  - b. All Contractor billings are subject to the maximum compensation amount of this contract.
  - c. Contractor shall not submit billings for, and County shall not pay, any amount in excess of the maximum compensation amount of this Contract, including any reimbursable expenses, (See Exhibit 5).
    - 1) If the maximum compensation amount is increased by amendment to this Contract, the amendment shall be signed by both parties and fully executed before Contractor performs work subject to the amendment.
    - 2) No payment shall be made for any services performed before the beginning date or after the expiration date of this contract.
  - d. This Contract shall not be amended after the expiration date.
  - e. Unless otherwise specifically provided in Exhibit 5, Contractor shall submit monthly invoices for work performed. The invoices shall describe all work performed with particularity and by whom it was performed and shall itemize and explain all expenses for which reimbursement is claimed.
  - f. The invoices also shall include the total amount invoiced to date by Contractor prior to the current invoice.
  - g. Prior to approval or payment of any billing, County may require and Contractor shall provide any information which County deems necessary to verify work has been properly performed in accordance with the Contract.
3. **Delegation, Subcontracts and Assignment.** Contractor shall not delegate or subcontract any of the work required by this Contract or assign or transfer any of its interest in this Contract, without the prior written consent of County.
  - a. Any delegation, subcontract, assignment, or transfer without prior written consent of County shall constitute a material breach of this contract.
  - b. Any such assignment or transfer, if approved, is subject to such conditions and provisions as the County may deem necessary.
  - c. No approval by the County of any assignment or transfer of interest shall be deemed to create any obligation of the County to increase rates of payment or maximum Contract consideration.
  - d. Prior written approval shall not be required for the purchase by the Contractor of articles, supplies and services which are incidental to the provision of services under this Contract that are necessary for the performance of the work.
  - e. Any subcontracts that the County may authorize shall contain all requirements of this contract, and unless otherwise specified by the County the Contractor shall be responsible for the performance of the subcontractor.
4. **No Third Party Beneficiaries.**
  - a. County and Contractor are the only parties to this Contract and are the only parties entitled to enforce its terms.
  - b. Nothing in this Contract gives or provides any benefit or right, whether directly, indirectly, or otherwise, to third persons unless such third persons are individually identified by name in this Contract and expressly described as intended beneficiaries of this Contract.
5. **Successors in Interest.** The provisions of this Contract shall be binding upon and inure to the benefit of the parties and their successors and approved assigns, if any.
6. **Early Termination.** This Contract may be terminated as follows:
  - a. Mutual Consent. County and Contractor, by mutual written agreement, may terminate this Contract at any time.
  - b. Party's Convenience. County or Contractor may terminate this Contract for any reason upon 30 calendar days written notice to the other party.
  - c. For Cause. County may also terminate this Contract effective upon delivery of written notice to the Contractor, or at such later date as may be established by the County, under any of the following conditions:

- 1) If funding from state or other sources is not obtained and continued at levels sufficient to allow for the purchase of the indicated quantity of services as required in this Contract.
  - 2) This Contract may be modified to accommodate the change in available funds.
  - 3) If state laws, regulations or guidelines are modified, changed or interpreted in such a way that the services are no longer allowable or appropriate for purchase under this Contract or are no longer eligible for the funding proposed for payments authorized by this Contract.
  - 4) In the event sufficient funds shall not be appropriated for the payment of consideration required to be paid under this Contract, and if County has no funds legally available for consideration from other sources.
  - 5) If any license or certificate required by law or regulation to be held by the Contractor to provide the services required by this Contract is for any reason denied, revoked, suspended, not renewed or changed in such a way that the Contractor no longer meets requirements for such license or certificate.
- d. Contractor Default or Breach. The County, by written notice to the Contractor, may immediately terminate the whole or any part of this Contract under any of the following conditions:
- 1) If the Contractor fails to provide services called for by this Contract within the time specified or any extension thereof.
  - 2) If the Contractor fails to perform any of the other requirements of this Contract or so fails to pursue the work so as to endanger performance of this Contract in accordance with its terms, and after receipt of written notice from the County specifying such failure, the Contractor fails to correct such failure within 10 calendar days or such other period as the County may authorize.
  - 3) Contractor institutes or has instituted against it insolvency, receivership or bankruptcy proceedings, makes an assignment for the benefit of creditors, or ceases doing business on a regular basis.
- e. County Default or Breach.
- 1) Contractor may terminate this Contract in the event of a breach of this Contract by the County. Prior to such termination, the Contractor shall give to the County written notice of the breach and intent to terminate.
  - 2) If the County has not entirely cured the breach within 10 calendar days of the date of the notice, then the Contractor may terminate this Contract at any time thereafter by giving notice of termination.
- 7. Payment on Early Termination.** Upon termination pursuant to paragraph 6, payment shall be made as follows:
- a. If terminated under subparagraphs 6 a. through c. of this Contract, the County shall pay Contractor for work performed prior to the termination date if such work was performed in accordance with the Contract. Provided however, County shall not pay Contractor for any obligations or liabilities incurred by Contractor after Contractor receives written notice of termination.
  - b. If this Contract is terminated under subparagraph 6 d. of this Contract, County obligations shall be limited to payment for services provided in accordance with this Contract prior to the date of termination, less any damages suffered by the County.
  - c. If terminated under subparagraph 6 e of this Contract by the Contractor due to a breach by the County, then the County shall pay the Contractor for work performed prior to the termination date if such work was performed in accordance with the Contract:
    - 1) with respect to services compensable on an hourly basis, for unpaid invoices, hours worked within any limits set forth in this Contract but not yet billed, authorized expenses incurred if payable according to this Contract and interest within the limits set forth under ORS 293.462, and
    - 2) with respect to deliverable-based Work, the sum designated for completing the deliverable multiplied by the percentage of Work completed and accepted by County, less previous amounts paid and any claim(s) that County has against Contractor.
    - 3) Subject to the limitations under paragraph 8 of this Contract.
- 8. Remedies.** In the event of breach of this Contract the parties shall have the following remedies:
- a. Termination under subparagraphs 6 a. through c. of this Contract shall be without prejudice to any obligations or liabilities of either party already reasonably incurred prior to such termination.
    - 1) Contractor may not incur obligations or liabilities after Contractor receives written notice of termination.
    - 2) Additionally, neither party shall be liable for any indirect; incidental, consequential or special damages under this Contract or for any damages of any sort arising solely from the termination of this Contract in accordance with its terms.

- b. If terminated under subparagraph 6 d. of this Contract by the County due to a breach by the Contractor, County may pursue any remedies available at law or in equity.
    - 1) Such remedies may include, but are not limited to, termination of this contract, return of all or a portion of this Contract amount, payment of interest earned on this Contract amount, and declaration of ineligibility for the receipt of future contract awards.
    - 2) Additionally, County may complete the work either by itself, by agreement with another Contractor, or by a combination thereof. If the cost of completing the work exceeds the remaining unpaid balance of the total compensation provided under this Contract, then the Contractor shall be liable to the County for the amount of the reasonable excess.
  - c. If amounts previously paid to Contractor exceed the amount due to Contractor under this Contract, Contractor shall repay any excess to County upon demand.
  - d. Neither County nor Contractor shall be held responsible for delay or default caused by fire, civil unrest, labor unrest, riot, acts of God, or war where such cause was beyond reasonable control of County or Contractor, respectively; however, Contractor shall make all reasonable efforts to remove or eliminate such a cause of delay or default and shall, upon the cessation of the cause, diligently pursue performance of its obligations under this Contract. For any delay in performance as a result of the events described in this subparagraph, Contractor shall be entitled to additional reasonable time for performance that shall be set forth in an amendment to this Contract.
  - e. The passage of this Contract expiration date shall not extinguish or prejudice the County's or Contractor's right to enforce this Contract with respect to any default or defect in performance that has not been cured.
  - f. County's remedies are cumulative to the extent the remedies are not inconsistent, and County may pursue any remedy or remedies singly, collectively, successively or in any order whatsoever.
- 9. Contractor's Tender upon Termination.** Upon receiving a notice of termination of this Contract, Contractor shall immediately cease all activities under this Contract unless County expressly directs otherwise in such notice of termination.
- a. Upon termination of this Contract, Contractor shall deliver to County all documents, information, works-in-progress and other property that are or would be deliverables had this Contract been completed.
  - b. Upon County's request, Contractor shall surrender to anyone County designates, all documents, research, objects or other tangible things needed to complete the work.
- 10. Work Standard.**
- a. Contractor shall be solely responsible for and shall have control over the means, methods, techniques, sequences and procedures of performing the work, subject to the plans and specifications under this Contract and shall be solely responsible for the errors and omissions of its employees, subcontractors and agents.
  - b. For goods and services to be provided under this contract, Contractor agrees to:
    - 1) perform the work in a good, workmanlike, and timely manner using the schedule, materials, plans and specifications approved by County;
    - 2) comply with all applicable legal requirements;
    - 3) comply with all programs, directives, and instructions of County relating to safety, storage of equipment or materials;
    - 4) take all precautions necessary to protect the safety of all persons at or near County or Contractor's facilities, including employees of Contractor, County and any other contractors or subcontractors and to protect the work and all other property against damage.
- 11. Drugs and Alcohol.** Contractor shall adhere to and enforce a zero tolerance policy for the use of alcohol and the unlawful selling, possession or use of controlled substances while performing work under this Contract.
- 12. Insurance.** Contractor shall provide insurance in accordance with Exhibit 2 attached hereto and incorporated by reference herein.
- 13. Expense Reimbursement.** If the consideration under this Contract provides for the reimbursement of Contractor for expenses, in addition to Exhibit 5, Exhibit 1 shall state that Contractor is or is not entitled to reimbursement for such expenses.
- a. County shall only reimburse Contractor for expenses reasonably and necessarily incurred in the performance of this contract.
  - b. Expenses reimbursed shall be at the actual cost incurred; including any taxes paid, and shall not include any mark-up unless the mark-up on expenses is specifically agreed to in this Contract.

- c. The cost of any subcontracted work approved in this Contract shall not be marked up.
- d. Contractor shall not bill County for any time expended to complete the documents necessary for reimbursement of expenses or for payment under this contract.
- e. The limitations applicable to reimbursable expenses are set forth in Exhibit "5," attached hereto and by reference incorporated herein.

**14. Criminal Background Investigations.** Contractor understands that Contractor and Contractor's employees and agents are subject to periodic criminal background investigations by County and, if such investigations disclose criminal activity not disclosed by Contractor, such non-disclosure shall constitute a material breach of this Contract and County may terminate this Contract effective upon delivery of written notice to the Contractor, or at such later date as may be established by the County.

**15. Confidentiality.** Contractor shall maintain confidentiality of information obtained pursuant to this Contract as follows:

- a. Contractor shall not use, release or disclose any information concerning any employee, client, applicant or person doing business with the County for any purpose not directly connected with the administration of County's or the Contractor's responsibilities under this Contract except upon written consent of the County, and if applicable, the employee, client, applicant or person.
- b. The Contractor shall ensure that its agents, employees, officers and subcontractors with access to County and Contractor records understand and comply with this confidentiality provision.
- c. Contractor shall treat all information as to personal facts and circumstances obtained on Medicaid eligible individuals as privileged communication, shall hold such information confidential, and shall not disclose such information without the written consent of the individual, his or her attorney, the responsible parent of a minor child, or the child's guardian, except as required by other terms of this Contract.
- d. Nothing prohibits the disclosure of information in summaries, statistical information, or other form that does not identify particular individuals.
- e. Personally identifiable health information about applicants and Medicaid recipients will be subject to the transaction, security and privacy provisions of the Health Insurance Portability and Accountability Act ("HIPAA").
- f. Contractor shall cooperate with County in the adoption of policies and procedures for maintaining the privacy and security of records and for conducting transactions pursuant to HIPAA requirements.
- g. This Contract may be amended in writing in the future to incorporate additional requirements related to compliance with HIPAA.
- h. If Contractor receives or transmits protected health information, Contractor shall enter into a Business Associate Agreement with County, which, if attached hereto, shall become a part of this Contract.

**16. Reports.** Contractor shall provide County with periodic reports at the frequency and with the information prescribed by County. Further, at any time, County has the right to demand adequate assurances that the services provided by Contractor shall be in accordance with the Contract. Such assurances provided by Contractor shall be supported by documentation in Contractor's possession from third parties.

**17. Access to Records.** Contractor shall maintain fiscal records and all other records pertinent to this Contract.

- a. All fiscal records shall be maintained pursuant to generally accepted accounting standards, and other records shall be maintained to the extent necessary to clearly reflect actions taken.
  - 1) All records shall be retained and kept accessible for at least three years following the final payment made under this Contract or all pending matters are closed, whichever is later.
  - 2) If an audit, litigation or other action involving this Contract is started before the end of the three year period, the records shall be retained until all issues arising out of the action are resolved or until the end of the three year period, whichever is later.
- b. County and its authorized representatives shall have the right to direct access to all of Contractor's books, documents, papers and records related to this Contract for the purpose of conducting audits and examinations and making copies, excerpts and transcripts.
  - 1) These records also include licensed software and any records in electronic form, including but not limited to computer hard drives, tape backups and other such storage devices. County shall reimburse Contractor for Contractor's cost of preparing copies.
  - 2) At Contractor's expense, the County, the Secretary of State's Office of the State of Oregon, the Federal Government, and their duly authorized representatives, shall have license to enter upon Contractor's premises to access and inspect the books, documents, papers, computer software, electronic files and any other records of the Contractor which are directly pertinent to this Contract.



- 3) If Contractor's dwelling is Contractor's place of business, Contractor may, at Contractor's expense, make the above records available at a location acceptable to the County.

**18. Ownership of Work.** All work of Contractor that results from this Contract (the "Work Product") is the exclusive property of County.

- a. County and Contractor intend that such Work Product be deemed "work made for hire" of which County shall be deemed author.
- b. If, for any reason, the Work Product is not deemed "work made for hire," Contractor hereby irrevocably assigns to County all of its right, title, and interest in and to any and all of the Work Product, whether arising from copyright, patent, trademark, trade secret, or any other state or federal intellectual property law or doctrine.
- c. Contractor shall execute such further documents and instruments as County may reasonably request in order to fully vest such rights in County.
- d. Contractor forever waives any and all rights relating to Work Product, including without limitation, any and all rights arising under 17 USC § 106A or any other rights of identification of authorship or rights of approval, restriction or limitation on use or subsequent modifications.
- e. County shall have no rights in any pre-existing work product of Contractor provided to County by Contractor in the performance of this Contract except an irrevocable, non-exclusive, perpetual, royalty-free license to copy, use and re-use any such work product for County use only.
- f. If this Contract is terminated prior to completion, and County is not in default, County, in addition to any other rights provided by this Contract, may require Contractor to transfer and deliver all partially completed work products, reports or documentation that Contractor has specifically developed or specifically acquired for the performance of this Contract.
- g. In the event that Work Product is deemed Contractor's Intellectual Property and not "work made for hire," Contractor hereby grants to County an irrevocable, non-exclusive, perpetual, royalty-free license to use, reproduce, prepare derivative works based upon, distribute copies of, perform and display the Contractor Intellectual Property, and to authorize others to do the same on County's behalf.
- h. In the event that Work Product is Third Party Intellectual Property, Contractor shall secure on the County's behalf and in the name of the County, an irrevocable, non-exclusive, perpetual, royalty-free license to use, reproduce, prepare derivative works based upon, distribute copies of, perform and display the Third Party Intellectual Property, and to authorize others to do the same on County's behalf.

**19. County Code Provisions.** Except as otherwise specifically provided, the provisions of Deschutes County Code, Section 2.37.150 are incorporated herein by reference. Such code section may be found at the following URL address:  
[https://deschutescounty.municipalcodeonline.com/book?type=ordinances#name=2.37.150\\_Standard\\_Contract\\_Provisions](https://deschutescounty.municipalcodeonline.com/book?type=ordinances#name=2.37.150_Standard_Contract_Provisions) To the extent any provision of DCC 2.37.150 is inconsistent with a provision of this Contract, DCC 2.37.150 shall govern.

**20. Partnership.** County is not, by virtue of this contract, a partner or joint venturer with Contractor in connection with activities carried out under this contract, and shall have no obligation with respect to Contractor's debts or any other liabilities of each and every nature.

**21. Indemnity and Hold Harmless.**

- a. To the fullest extent authorized by law Contractor shall defend, save, hold harmless and indemnify the County and its officers, employees and agents from and against all claims, suits, actions, losses, damages, liabilities costs and expenses of any nature resulting from or arising out of, or relating to the activities of Contractor or its officers, employees, contractors, or agents under this Contract, including without limitation any claims that the work, the work product or any other tangible or intangible items delivered to County by Contractor that may be the subject of protection under any state or federal intellectual property law or doctrine, or the County's use thereof, infringes any patent, copyright, trade secret, trademark, trade dress, mask work utility design or other proprietary right of any third party.
- b. Contractor shall have control of the defense and settlement of any claim that is subject to subparagraph a of this paragraph; however neither contractor nor any attorney engaged by Contractor shall defend the claim in the name of Deschutes County or any department or agency thereof, nor purport to act as legal representative of the County or any of its departments or agencies without first receiving from the County's legal counsel, in a form and manner determined appropriate by the County's legal counsel, authority to

act as legal counsel for the County, nor shall Contractor settle any claim on behalf of the County without the approval of the County's legal counsel.

- c. To the extent permitted by Article XI, Section 10, of the Oregon Constitution and the Oregon Tort Claims Act, ORS 30.260 through 30.300, County shall defend, save, hold harmless and indemnify Contractor and its officers, employees and agents from and against all claims, suits, actions, losses, damages, liabilities costs and expenses of any nature resulting from or arising out of, or relating to the activities of County or its officers, employees, contractors, or agents under this Contract.

**22. Waiver.**

- a. County's delay in exercising, or failure to exercise any right, power, or privilege under this Contract shall not operate as a waiver thereof, nor shall any single or partial exercise or any right, power, or privilege under this Contract preclude any other or further exercise thereof or the exercise of any other such right, power, or privilege.
- b. The remedies provided herein are cumulative and not exclusive of any remedies provided by law.

**23. Governing Law.** This Contract shall be governed by and construed in accordance with the laws of the State of Oregon without regard to principles of conflicts of law.

- a. Any claim, action, suit or proceeding (collectively, "Claim") between County and Contractor that arises from or relates to this Contract shall be brought and conducted solely and exclusively within the Circuit Court of Deschutes County for the State of Oregon; provided, however, if a Claim shall be brought in federal forum, then it shall be brought and conducted solely and exclusively within the United States District Court for the District of Oregon.
- b. CONTRACTOR, BY EXECUTION OF THIS CONTRACT, HEREBY CONSENTS TO THE IN PERSONAM JURISDICTION OF SAID COURTS. The parties agree that the UN Convention on International Sales of Goods shall not apply.

**24. Severability.** If any term or provision of this Contract is declared by a court of competent jurisdiction to be illegal or in conflict with any law, the validity of the remaining terms and provisions shall not be affected, and the rights and obligations of the parties shall be construed and enforced as if this Contract did not contain the particular term or provision held invalid.

**25. Counterparts.** This Contract may be executed in several counterparts, all of which when taken together shall constitute one agreement binding on all parties, notwithstanding that all parties are not signatories to the same counterpart. Each copy of this Contract so executed shall constitute an original.

**26. Notice.** Except as otherwise expressly provided in this Contract, any communications between the parties hereto or notices to be given hereunder shall be given in writing, to Contractor or County at the address or number set forth below or to such other addresses or numbers as either party may hereafter indicate in writing. Delivery may be by personal delivery, facsimile, or mailing the same, postage prepaid.

- a. Any communication or notice by personal delivery shall be deemed delivered when actually given to the designated person or representative.
- b. Any communication or notice sent by facsimile shall be deemed delivered when the transmitting machine generates receipt of the transmission. To be effective against County, such facsimile transmission shall be confirmed by telephone notice to the County Administrator.
- c. Any communication or notice mailed shall be deemed delivered five (5) days after mailing. Any notice under this Contract shall be mailed by first class postage or delivered as follows:

To Contractor:

Jeff Parker  
Parnel Biogas, Inc.  
13701 S. Casper Street  
Glenpool, Oklahoma 74033  
jeff@parnel.net

To County:

Nick Lelack  
County Administrator  
1300 NW Wall Street, Suite 200  
Bend, Oregon 97701  
Fax No. 541-385-3202

**27. Merger Clause.** This Contract and the attached exhibits constitute the entire agreement between the parties.

- a. All understandings and agreements between the parties and representations by either party concerning this Contract are contained in this Contract.

- b. No waiver, consent, modification or change in the terms of this Contract shall bind either party unless in writing signed by both parties.
- c. Any written waiver, consent, modification or change shall be effective only in the specific instance and for the specific purpose given.

**28. Identity Theft Protection.** Contractor and subcontractors shall comply with the Oregon Consumer Identity Theft Protection Act (ORS 646A.600 et seq.).

**29. Survival.** All rights and obligations shall cease upon termination or expiration of this Contract, except for the rights and obligations set forth in Sections 4, 5, 8, 9, 15, 17, 18, 20-27, 28 and 30.

**30. Representations and Warranties.**

- a. **Contractor's Representations and Warranties.** Contractor represents and warrants to County that:
  - 1) Contractor has the power and authority to enter into and perform this Contract;
  - 2) this Contract, when executed and delivered, shall be a valid and binding obligation of Contractor enforceable in accordance with its terms;
  - 3) Contractor has the skill and knowledge possessed by well-informed members of its industry, trade or profession and Contractor will apply that skill and knowledge with care and diligence to perform the Work in a professional manner and in accordance with standards prevalent in Contractor's industry, trade or profession;
  - 4) Contractor shall, at all times during the term of this Contract, be qualified, professionally competent, and duly licensed to perform the Work;
  - 5) Contractor prepared its proposal related to this Contract, if any, independently from all other proposers, and without collusion, fraud, or other dishonesty; and
  - 6) Contractor's making and performance of this Contract do not and will not violate any provision of any applicable law, rule or regulation or order of any court, regulatory commission, board or other administrative agency.
- b. **Warranties Cumulative.** The warranties set forth in this paragraph are in addition to, and not in lieu of, any other warranties provided.

**31. Representation and Covenant.**

- a. Contractor represents and warrants that Contractor has complied with the tax laws of this state, and where applicable, the laws of Deschutes County, including but not limited to ORS 305.620 and ORS chapters 316, 317 and 318.
- b. Contractor covenants to continue to comply with the tax laws of this state, and where applicable, the laws of Deschutes County, during the term of this contract.
- c. Contractor acknowledges that failure by Contractor to comply with the tax laws of this state, and where applicable, the laws of Deschutes County, at any time before Contractor has executed the contract or during the term of the contract is and will be deemed a default for which Deschutes County may terminate the contract and seek damages and/or other relief available under the terms of the contract or under applicable law.

**EXHIBIT 1**  
**DESCHUTES COUNTY SERVICES CONTRACT**  
**Contract No. 2024-950**  
**STATEMENT OF WORK, COMPENSATION**  
**PAYMENT TERMS and SCHEDULE**

1. **Contractor shall perform the following work:**
  - a. The Contractor shall provide all personnel, labor, materials, tools and equipment necessary for the purchase and startup services as specified in the Parnel Biogas Inc. Proposal #1262024 dated December 9, 2024, attached hereto and made a part of this Contract by this reference as Attachment A.
  - b.
2. **County Services.** County shall provide Contractor, at county's expense, with material and services described as follows:
  - a. N/A
  - b.
3. **Consideration.**
  - a. County shall pay Contractor on a lump sum basis as presented in the Parnel Biogas Inc. Proposal #1262024 dated December 9, 2024, attached hereto and made a part of this Contract by this reference.
  - b. Contractor shall be entitled to reimbursement for expenses as set forth in Exhibit 5  
 YES    NO [Check one]
4. **The maximum compensation.**
  - a. The maximum compensation under this contract, including allowable expenses, is \$428,240.15
  - b. Contractor shall not submit invoices for, and County shall not pay for any amount in excess of the maximum compensation amount set forth above.
    - 1) If this maximum compensation amount is increased by amendment of this contract, the amendment shall be fully effective before contractor performs work subject to the amendment.
    - 2) Contractor shall notify County in writing of the impending expiration of this Contract thirty (30) calendar days prior to the expiration date.
5. **Schedule of Performance or Delivery.**
  - a. County's obligation to pay depends upon Contractor's delivery or performance in accordance with the following schedule: Lump sum in accordance with the Parnel Biogas Inc. Proposal #1262024 dated December 9, 2024.
  - b. County will only pay for completed work that conforms to this schedule.

**EXHIBIT 2**  
**DESCHUTES COUNTY SERVICES CONTRACT**  
**Contract No. 2024-950**  
**INSURANCE REQUIREMENTS**

Contractor shall at all times maintain in force at Contractor's expense, each insurance noted below. Insurance coverage must apply on a primary or non-contributory basis. All insurance policies, except Professional Liability, shall be written on an occurrence basis and be in effect for the term of this contract. Policies written on a "claims made" basis must be approved and authorized by Deschutes County.

**Contractor Name: Parnel Biogas, Inc.**

**Workers Compensation Insurance** in compliance with ORS 656.017, requiring Contractor and all subcontractors to provide workers' compensation coverage for all subject workers, or provide certification of exempt status. Worker's Compensation Insurance to cover claims made under Worker's Compensation, disability benefit or any other employee benefit laws, including statutory limits in any state of operation with Coverage B Employer's Liability coverage all at the statutory limits. In the absence of statutory limits the limits of said Employer's Liability coverage shall be not less than \$1,000,000 each accident, disease and each employee. This insurance must be endorsed with a waiver of subrogation endorsement, waiving the insured's right of subrogation against County.

**Professional Liability** insurance with an occurrence combined single limit of not less than:

Per Occurrence limit	Annual Aggregate limit
<input type="checkbox"/> \$1,000,000	<input type="checkbox"/> \$2,000,000
<input type="checkbox"/> \$2,000,000	<input type="checkbox"/> \$3,000,000
<input type="checkbox"/> \$3,000,000	<input type="checkbox"/> \$5,000,000

Professional Liability insurance covers damages caused by error, omission, or negligent acts related to professional services provided under this Contract. The policy must provide extended reporting period coverage, sometimes referred to as "tail coverage" for claims made within two years after the contract work is completed or the facts underlying County's claim could reasonably have been discovered, whichever is later.

Required by County                       Not required by County (one box must be checked)

**Commercial General Liability** insurance with a combined single limit of not less than:

<u>Per Single Claimant and Incident</u>	<u>All Claimants Arising from Single Incident</u>
<input checked="" type="checkbox"/> \$1,000,000	<input checked="" type="checkbox"/> \$2,000,000
<input type="checkbox"/> \$2,000,000	<input type="checkbox"/> \$3,000,000
<input type="checkbox"/> \$3,000,000	<input type="checkbox"/> \$5,000,000

Commercial General Liability insurance includes coverage for personal injury, bodily injury, advertising injury, property damage, premises, operations, products, completed operations and contractual liability. The insurance coverages provided for herein must be endorsed as primary and non-contributory to any insurance or self insurance of County, its officers, employees or agents. Each such policy obtained by Contractor shall provide that the insurer shall defend any suit against the named insured and the additional insureds, their officers, agents, or employees, even if such suit is frivolous or fraudulent.

The policy shall be endorsed to name **Deschutes County, its officers, agents, employees and volunteers as an additional insured**. The additional insured endorsement shall not include declarations that reduce any per occurrence or aggregate insurance limit. The Contractor shall provide additional coverage based on any outstanding claim(s) made against policy limits to ensure that minimum insurance limits required by the County are maintained. Construction contracts may include aggregate limits that apply on a "per location" or "per project" basis. The additional insurance protection shall extend equal protection to County as to Contractor or subcontractors and shall not be limited to vicarious liability only or any similar limitation. To the extent any aspect of this Paragraph shall be deemed unenforceable, then the additional insurance protection to County shall be narrowed to the maximum amount of protection allowed by law.

Required by County                       Not required by County (One box must be checked)

Claims Made Policy                       Approved by County                       Not Approved by County

\_\_\_\_\_

**Automobile Liability** insurance with a combined single limit of not less than:

Per Occurrence

Personal Auto

\$1,000,000

\$2,000,000

Automobile Liability insurance includes coverage for bodily injury and property damage resulting from operation of a motor vehicle. Commercial Automobile Liability Insurance shall provide coverage for *any* motor vehicle (symbol 1 on some insurance certificates) driven by or on behalf of Contractor during the course of providing services under this contract. Commercial Automobile Liability is required for contractors that own business vehicles registered to the business. Examples include: plumbers, electricians or construction contractors.

A personal automobile policy of no less than the minimum insurance requirements set by the State of Oregon (ORS 806.070) will be accepted if a contractor is a sole proprietor and does not own vehicles registered to the business.

Required by County       Not required by County (one box must be checked)

**Additional Requirements.** Contractor shall pay all deductibles and self-insured retentions. A cross-liability clause or separation of insured's condition must be included in all commercial general liability policies required by this Contract. Contractor's coverage will be primary in the event of loss.

**Certificate of Insurance Required.** Contractor shall furnish a current Certificate of Insurance to the County with the signed Contract. Contractor shall notify the County in writing at least 30 days in advance of any cancellation, termination, material change, or reduction of limits of the insurance coverage. The Certificate shall also state the deductible or, if applicable, the self-insured retention level. Contractor shall be responsible for any deductible or self-insured retention. If requested, complete copies of insurance policies shall be provided to the County. Any violation by Contractor of this Certificate of Insurance provision shall, at the election of County, constitute a material breach of the Contract.

Risk Management review

Date

\_\_\_\_\_

\_\_\_\_\_

**EXHIBIT 3  
DESCHUTES COUNTY SERVICES CONTRACT  
Contract No. 2024-950  
CERTIFICATION STATEMENT FOR CORPORATION  
OR INDEPENDENT CONTRACTOR**

**NOTE: Contractor Shall Complete A or B in addition to C below:**

**A. CONTRACTOR IS A CORPORATION, LIMITED LIABILITY COMPANY OR A PARTNERSHIP.**

**I certify under penalty of perjury that Contractor is a [check one]:**

Corporation  Limited Liability Company  Partnership authorized to do business in the State of Oregon.

Jeff Park President 12/12/24  
Signature Title Date

**B. CONTRACTOR IS A SOLE PROPRIETOR WORKING AS AN INDEPENDENT CONTRACTOR.**

**Contractor certifies under penalty of perjury that the following statements are true:**

1. If Contractor performed labor or services as an independent Contractor last year, Contractor filed federal and state income tax returns last year in the name of the business (or filed a Schedule C in the name of the business as part of a personal income tax return), **and**
2. Contractor represents to the public that the labor or services Contractor provides are provided by an independently established business registered with the State of Oregon, **and**
3. All of the statements checked below are true.

**NOTE: Check all that apply. You shall check at least three (3) - to establish that you are an Independent Contractor.**

- A. The labor or services I perform are primarily carried out at a location that is separate from my residence or primarily carried out in a specific portion of my residence that is set aside as the location of the business.
- B. I bear the risk of loss related to the business or provision of services as shown by factors such as: (a) fixed-price agreements; (b) correcting defective work; (c) warranties over the services or (d) indemnification agreements, liability insurance, performance bonds or professional liability insurance.
- C. I have made significant investment in the business through means such as: (a) purchasing necessary tools or equipment; (b) paying for the premises or facilities where services are provided; or (c) paying for licenses, certificates or specialized training.
- D. I have the authority to hire other persons to provide or to assist in providing the services and if necessary to fire such persons.
- E. Each year I perform labor or services for at least two different persons or entities or I routinely engage in business advertising, solicitation or other marketing efforts reasonably calculated to obtain new contracts to provide similar services.

Jeff Park  
Contractor Signature

12/12/24  
Date

**C. Representation and Warranties.**

**Contractor certifies under penalty of perjury that the following statements are true to the best of Contractor's knowledge:**

1. Contractor has the power and authority to enter into and perform this contract;
2. This contract, when executed and delivered, shall be a valid and binding obligation of Contractor enforceable in accordance with its terms;
3. The services under this Contract shall be performed in a good and workmanlike manner and in accordance with the highest professional standards; and
4. Contractor shall, at all times during the term of this contract, be qualified, professionally competent, and duly licensed to perform the services.
5. To the best of Contractor's knowledge, Contractor is not in violation of any tax laws described in ORS 305.380(4),
6. Contractor understands that Contractor is responsible for any federal or state taxes applicable to any consideration and payments paid to Contractor under this contract; and
7. Contractor has not discriminated against minority, women or small business enterprises in obtaining any required subcontracts.

  
Contractor Signature

12/12/24  
Date



**EXHIBIT 4**  
**DESCHUTES COUNTY SERVICES CONTRACT**  
**Contract No. 2024-950**  
**Workers' Compensation Exemption Certificate**

(To be used only when Contractor claims to be exempt from Workers' Compensation coverage requirements)

Contractor is exempt from the requirement to obtain workers' compensation insurance under ORS Chapter 656 for the following reason (check the appropriate box):

**SOLE PROPRIETOR**

- Contractor is a sole proprietor, and
- Contractor has no employees, and
- Contractor shall not hire employees to perform this contract.

**CORPORATION - FOR PROFIT**

- Contractor's business is incorporated, and
- All employees of the corporation are officers and directors and have a substantial ownership interest\* in the corporation, and
- The officers and directors shall perform all work. Contractor shall not hire other employees to perform this contract.

**CORPORATION - NONPROFIT**

- Contractor's business is incorporated as a nonprofit corporation, and
- Contractor has no employees; all work is performed by volunteers, and
- Contractor shall not hire employees to perform this contract.

**PARTNERSHIP**

- Contractor is a partnership, and
- Contractor has no employees, and
- All work shall be performed by the partners; Contractor shall not hire employees to perform this contract, and
- Contractor is not engaged in work performed in direct connection with the construction, alteration, repair, improvement, moving or demolition of an improvement to real property or appurtenances thereto.

**LIMITED LIABILITY COMPANY**

- Contractor is a limited liability company, and
- Contractor has no employees, and
- All work shall be performed by the members; Contractor shall not hire employees to perform this contract, and
- If Contractor has more than one member, Contractor is not engaged in work performed in direct connection with the construction, alteration, repair, improvement, moving or demolition of an improvement to real property or appurtenances thereto.

\*NOTE: Under OAR 436-050-050 a shareholder has a "substantial ownership" interest if the shareholder owns 10% of the corporation or, if less than 10% is owned, the shareholder has ownership that is at least equal to or greater than the average percentage of ownership of all shareholders.

\*\*NOTE: Under certain circumstances partnerships and limited liability companies can claim an exemption even when performing construction work. The requirements for this exemption are complicated. Consult with County Counsel before an exemption request is accepted from a contractor who shall perform construction work.

JEFF PARKER  
Contractor Printed Name  
President  
Contractor Title

Jeff Parker  
Contractor Signature  
12/12/24  
Date

**EXHIBIT 5**  
**DESCHUTES COUNTY SERVICES CONTRACT**  
**Contract No. 2024-950**  
**Expense Reimbursement**

1. **Travel and Other Expenses.** (When travel and other expenses are reimbursed.)
  - a. It is the policy of the County that all travel shall be allowed only when the travel is essential to the normal discharge of the County responsibilities.
    - 1) All travel shall be conducted in the most efficient and cost effective manner resulting in the best value to the County.
    - 2) Travel expenses shall be reimbursed for official County business only.
    - 3) County shall not reimburse Contractor for any item that is not otherwise available for reimbursement to an employee of Deschutes County per Deschutes County Finance Policy F-1, "REIMBURSEMENT FOR MISCELLANEOUS EXPENSES AND EXPENSES INCURRED WHILE TRAVELING ON COUNTY BUSINESS," dated 7/12/2017.
    - 4) County may approve a form other than the County Employee Reimbursement Form for Contractor to submit an itemized description of travel expenses for payment.
    - 5) Personal expenses shall not be authorized at any time.
    - 6) All expenses are included in the total maximum contract amount.
  - b. Travel expenses shall be reimbursed only in accordance with rates approved by the County and only when the reimbursement of expenses is specifically provided for in Exhibit 1, paragraph 3 of this contract.
  - c. The current approved rates for reimbursement of travel expenses are set forth in the above described policy.
  - d. County shall not reimburse for any expenses related to alcohol consumption or entertainment.
  - e. Except where noted, detailed receipts for all expenses shall be provided.
  - f. Charge slips for gross amounts are not acceptable.
  - g. County shall not reimburse Contractor for any item that is not otherwise available for reimbursement to an employee of Deschutes County.
2. **Approved reimbursements:**
  - a. **Mileage.** Contractor shall be entitled to mileage for travel in a private automobile while Contractor is acting within the course and scope of Contractor's duties under this Contract and driving over the most direct and usually traveled route to and from Bend, Oregon.
    - 1) Reimbursement for mileage shall be equal to but not exceed those set by the United States General Services Administration ("GSA") and are subject to change accordingly.
    - 2) To qualify for mileage reimbursement, Contractor shall hold a valid, current driver's license for the class of vehicle to be driven and carry personal automobile liability insurance in amounts not less than those required by this contract.
    - 3) No mileage reimbursement shall be paid for the use of motorcycles or mopeds.
  - b. **Meals.**
    - 1) Any reimbursement for meals shall be for actual cost of meals incurred by Contractor while acting within the course and scope of Contractor's duties under this contract.
    - 2) For purposes of calculating individual meals where the Contractor is entitled only to a partial day reimbursement, the following maximum allocation of the meal expenses applies:
      - a) Breakfast, \$10;
      - b) Lunch, \$12;
      - c) Dinner, \$22.
    - 3) Except in the event of necessary overnight travel as provided below, partial day meal expenses shall be reimbursed as follows and only while Contractor is acting within the course and scope of Contractor's duties under this contract:
      - a) Breakfast expenses are reimbursable if Contractor is required to travel more than two (2) hours: before the start Contractor's regular workday (i.e. 8:00 a.m.).
      - b) Lunch expenses are reimbursable only if Contractor is required to travel overnight and begins the journey before 11:00 am or ends the journey after 11:00 a.m.
      - c) Dinner expenses are reimbursable only if Contractor is required to travel more than two (2) hours after Contractor's regular workday (i.e. 5:00 p.m.).

- 4) Breakfast and dinner expenses are reimbursable during Contractor's necessary overnight travel while acting within the course and scope of Contractor's duties under this contract and shall not exceed those set by the GSA. and are subject to change accordingly.
- c. Lodging.
    - 1) County shall reimburse Contractor for Contractor's actual cost of lodging necessary to provide service to the County and shall not exceed the maximum lodge set by the GSA for Bend, Oregon.
    - 2) Reimbursement rates for lodging are not considered "per diem" and receipts are required for reimbursement.
  - d County shall not reimburse Contractor in excess of the lowest fair for any airline ticket or vehicle rental charges.
3. **Exceptions.** Contractor shall obtain separate written approval of the County Administrator for any exceptions to the expense items listed above prior to incurring any expense for which reimbursement shall be sought.


**Exhibit 6  
DESCHUTES COUNTY SERVICES CONTRACT  
Contract No. 2024-950**

**Compliance with provisions, requirements of funding source and  
Federal and State laws, statutes, rules, regulations, executive orders and policies.**

**Conflicts of Interest**

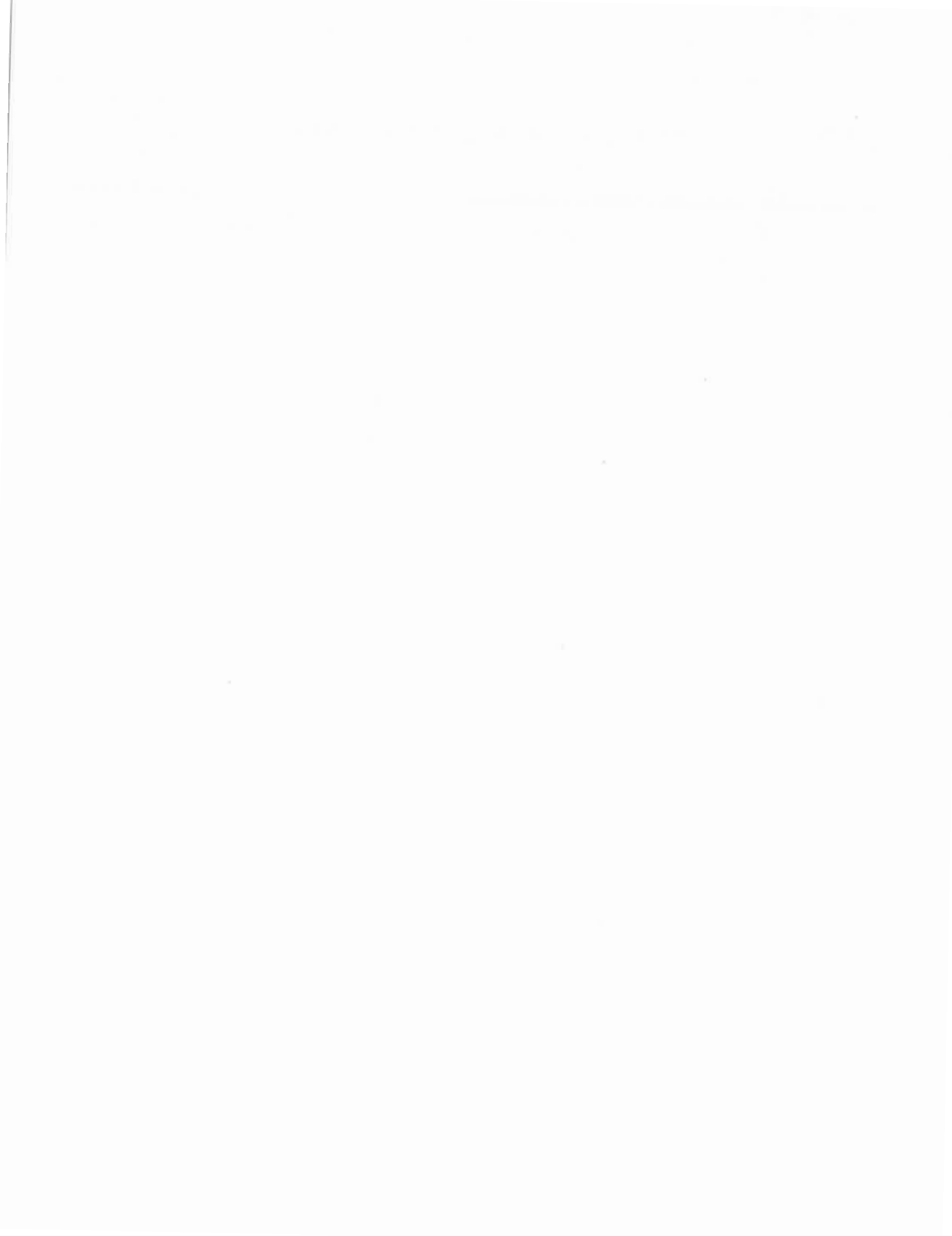
**Contractor certifies under penalty of perjury that the following statements are true to the best of Contractor's knowledge:**

1. If Contractor is currently performing work for the County, State of Oregon or federal government, Contractor, by signature to this Contract, declares and certifies that Contractor's Work to be performed under this Contract creates no potential or actual conflict of interest as defined by ORS 244 and no rules or regulations of Contractor's employee agency (County State or Federal) would prohibit Contractor's Work under this Contract. Contractor is not an "officer," "employee," or "agent" of the County, as those terms are used in ORS 30.265.
2. No federally appropriated funds have been paid or shall be paid, by or on behalf of Contractor, to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.
  - a. If any funds other than federally appropriated funds have been paid or shall be paid to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, Contractor agrees to complete and submit Standard Form-LLL "Disclosure Form to Report Lobbying," in accordance with its instructions.
    - 1) Standard Form-LLL and instructions are located in 45 CFR Part 93 Appendix B.
    - 2) If instructions require filing the form with the applicable federal entity, Contractor shall then as a material condition of this Contract also file a copy of the Standard Form-LLL with the Department.
    - 3) This filing shall occur at the same time as the filing in accordance with the instructions.
  - b. Contractor understands this certification is a material representation of fact upon which the County and the Department has relied in entering into this Contract. Contractor further understands that submission of this certification is a prerequisite, imposed by 31 USC 1352 for entering into this Contract.
  - c. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.
  - d. Contractor shall include the language of this certification in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.
  - e. Contractor is solely responsible for all liability arising from a failure by Contractor to comply with the terms of this certification.
  - f. Contractor promises to indemnify County for any damages suffered by County as a result of Contractor's failure to comply with the terms of this certification.
3. Contractor understands that, if this Contract involves federally appropriated funds, this certification is a material representation of facts upon which reliance was placed when this Contract was made or entered into, submission of this certification is a prerequisite for make or entering into this Contract imposed by Section 1352, Title 311, U.S. Code and that any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each failure.

  
Contractor Signature

12/12/24  
Date







December 9, 2024

Jacobs Engineering Group  
1100 112<sup>th</sup> Ave. NE, Suite 500  
Bellevue, WA. 98004

Cell: 425-785-5216

Attention: Evan Griffiths

RE: 2000 scfm Enclosed Landfill Gas Flare

Gentlemen:

The solution to landfill gas control begins with selecting a company that specializes in just that! Parnel Biogas Inc. is dedicated to supplying quality landfill gas flaring equipment and service.

As a company Parnel Biogas Inc. offers:

- The latest and best available Landfill Gas Control Technology
- Flare performance guarantees
- Qualified service personnel
- And the commitment to respond to your Landfill Gas Flaring needs, immediately

Parnel Biogas Inc. Landfill Gas Flares meet the stringent operating requirements set forth by the major landfill operators. The flare combustion chamber is designed to provide the necessary residence time to completely combust the landfill gas. The control system is designed to operate one or two gas blowers and will operate the flare in manual and automatic in a trouble free and safe manner.

Parnel Biogas Inc. though extensive field experience has improved on conventional flare designs in the following areas:

- Parnel Biogas Inc. Enclosed Flares are designed to prevent flame instability and flame lift off.
- Parnel Biogas Inc. Enclosed Flare tips are constructed of stainless steel with an integral flame holder to provide superior flame retention even in high wind conditions.
- State of the art PLC control burner management
- Guaranteed emission values
- The Parnel Biogas Inc. proprietary NG pilot is designed exclusively for Landfill Gas service to provide superior pilot performance and trouble free operation.

Parnel Biogas Inc. would like to earn the opportunity of being your preferred Landfill Gas Flare supplier. We enjoy discussing this proposal with you in detail at your convenience

Sincerely,

Jeff Parker  
President



### Process Specifications

Landfill Gas Flow rate (max Flare)	2000 scfm
Landfill Gas Flow rate Flare (min Flare)	200 scfm
Flare turn down	10:1 based on available gas concentration
Flare exit velocity (not to exceed)	60.0 ft/sec
Landfill Gas Composition:	
Methane	55%
CO2, N2, O2, VOC's, H2O, H2S	45%
Heat Release (max)	60.1 MMBtu/hr
Inlet Pressure to flare	10" WC (approx)
Blower motor Horsepower	N/A
Sight Elevation	3623 ASL approx.
Design wind load per ASCE 7-93	110mph
Noise level at 3ft.	< 85dba
Design ambient air temperature	-30F to 110F
Electrical Area Classification	Non-hazardous

Parnel Biogas Inc. is pleased to submit the following proposal for the Landfill Gas Enclosed Flare.

SITE CONDITIONS

Design Wind Speed	100 MPH standard design
Site Elevation	3623 MSL
Electrical Area Classification	Non-hazardous

EMISSIONS

PARNEL BIOGAS guarantees that the flare will operate without smoke at the design Conditions.

Resident times are in excess of .8 seconds

Expected stack gas emissions

OPERATING TEMPERATURE 1600F

Volatile Organic Compound (VOC) Destruction Efficiency: 99% minimum and total non-methane organic compound (NMOC) emissions at a demonstrated destruction efficiency of 98% or greater.

Total Hydrocarbon (THC) Destruction Efficiency	>98.9%	Expected Flue gas composition based on 55% CH4	CO2	5.9 %
			N2	73.5 %
Total Non-methane Hydrocarbon (NMHC) Destruction Efficiency	>98.9%		O2	13.6 %
			H2O	6.8 %
Nox (lbs/MMBtu)	0.06			
CO (lbs/MMBtu)	0.20			

The above emission values are expected values based on test results of operating Units. Guaranteed values are twice the expected values.

Sulfur emissions will be on a "Mole in = Mole out" basis

## FLARE STACK ASSEMBLY

The Stack assembly is a 9 ft diameter x 45 ft overall height vertical, cylindrical vessel. A-36 or equal material 3/8" minimum thickness welded to A W S standards for maximum structural integrity. A-36 or equal material 3/8" minimum thickness welded to A W S standards for maximum structural integrity. Flare stack will be constructed in two sections the lower burner section and the upper stack section. Base ring template included. Surface prep will be SP6 blast with a high temperature primer coat and a high temp surface coat Sherwin Williams flame troll Black.

Two (2) 1" layers of ceramic blanket (2600F hot face and 2100F backup/ staggered layers) on 310ss pins and ceramic keepers and rigidizer. All seams are overlapped in all directions to accommodate the shrinkage of the blanket after contact with high temperatures.

One (1) 10" 150# flanged inlet

Three (3) Thermocouple connections are located every 10 Ft up the stack. If the flare operates at low flow rates, the lower connections may be used for accurate temperature measurement.

Four (4) flanged 4" flanged flue gas sample points located 90 degrees apart, five feet below the flare exit.

Parnel Biogas Inc. stainless steel rain cap/ refractory protector to prevent rain end soak of the refractory

Trunnion lift lugs located approximately 5 ft from the top of the flame. These lugs do not need to be cut off and can be used again after the flare has been in service.

Thermocouple conduit with standoffs.

Nine (9) Individual burners with stainless steel flame arrestor tips and Parnel Biogas Inc. flame retention rings.

One (1) Parnel Biogas Inc. proprietary pilot and ignition system. NG Pilot is accessible from outside the flare

One (1) flanged 4" sight port assembly

Two (2) 2"x 1 1/4" swedge connection for flame scanners.

One (1) purge blower connection with 3/4hp purge blower.

One (1) 10" Flame arrestor

Two (2) 8" HP double offset, fire safe Fail close/Control valves (API 607), Two (2) 8" HP manual isolation valves upstream of control valves and Two Pressure transmitters (One for flare and one for plant feed)

Three (3) Enclosed flare thermocouples

Three (3) heavy-duty air dampers, Two (2) with electric actuator for automatic temperature control and One (1) With manual locking hand quadrant.

PRICING

One Parnel Biogas Inc. standard 2000scfm Enclosed Landfill flare. One 9' x 45' enclosed ground flare, Master control panel upgrade parts needed to operate enclosed flare.

PRICE.....\$ 424,085.15

OPTIONS

Freight not to exceed (FOB Knott Landfill).....\$ included

Four (5) days System START-UP and travel expenses included.....\$ included

RECOMMENDED SPARE PARTS

Three (3) Thermocouple assemblies (Parnel Standard)  
Flame scanner

SPARE PARTS PRICE.....\$ 4155.00

Drawings will be ready for approval in 5-7 weeks. System can be shipped 25-30 weeks after receipt of purchase order.

If start up exceeds five (5) days, Parnel Biogas Inc. field service rate: \$1500.00 a service day plus expenses.

Parnel Biogas includes 1 week for client drawing approval. Approval taking longer than seven days could extend shipping date.

To accept the price and give Notice to Proceed please sign below:

Date:

The following are to be provided by the customer:

Receiving, unloading, inspection of equipment

Interconnecting piping from Landfill header to equipment

Erection and installation of all equipment

Pilot gas Natural Gas supply and piping

Foundation design

Electrical service connection

The following are to be provided by Parnel Biogas Inc. (E-copies PDFs)

General arrangement drawings

P&ID's

Electrical interconnect drawings

Sufficient details for assembly

Shipping Lists

Instrument and equipment specifications

Three copies of operations manuals

Parnel Biogas Inc.  
Sales inside the US

FOB POINT: All equipment is FOB Knott Landfill

This proposal is void after 30 days. Acceptance of any order is at the sole discretion of Parnel Biogas Inc. Credit approval and agreement by the buyer to Parnel Biogas Inc. Terms and conditions

Pricing: Pricing quoted in this proposal is based on the total quantity of items being offered. Partial orders or changes in quantity may necessitate a change in pricing unless stated otherwise in the body of this proposal, No taxes or duties are included in pricing. Pricing is based upon the specifications provided to Parnel Biogas Inc. by the customer and referenced in this proposal. Additions to or changes will result in changes in pricing. The pricing presented in this proposal is based on the following payment terms.

25% upon receipt of purchase order  
25% submittal of drawings  
20% upon start of fabrication  
20% when ready to ship  
10% upon system start of commissioning

Invoices: Invoices are due net 30 days. Due to current fluctuations in raw material prices and delivery Past due invoices will be charged interest at prime plus 1.5%.

Delivery: The delivery dates presented in this proposal are preliminary. The actual dates are variable dependent on variables at the time of the order and will also be affected by (1) SCOPE CHANGES MADE BY THE BUYER (2) DELAYS BY THE BUYER IN APPROVING DRAWINGS (3) OR ANY OTHER DELAYS BY BUYERS IN PERFORMING ITS OTHER OBLIGATIONS UNDER THIS ORDER.