



The New Mexico Institute of Mining and Technology (NMIMT)
Request for Proposal (RFP)

PROJECT NAME: Drill, Construct, Core, and Log a Stratigraphic Well

PROPOSAL NUMBER: 2209025C

RFP DUE TIME AND DATE: November 8, 2021 at 2:00 PM (Local Time)

PURCHASING CONTACT: Kimela Miller, Chief Procurement Officer
575-835-5881
purchasing@nmt.edu

LOCATION: New Mexico Institute of Mining & Technology
Attn: RFP #2209025C
Brown Hall, Rm 110
801 Leroy Place
Socorro, NM 87801

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1. INSTRUCTIONS TO PROPOSERS

1.1 It is the Proposer's responsibility to deliver their offer by the date and time indicated in this Request For Proposal (RFP). The date and time of receipt will be stamped on the offer by the Purchasing Services Office and held in a secure place. Offers received later than the due date and time shall not be considered. Offers submitted by fax or email shall not be considered. Proposers should never leave a offer with any NMIMT office or NMIMT individual for delivery to the Purchasing Services Office.

1.2 This RFP contains specific requests for information. However, in responding, Proposers are encouraged to include in their offers any additional information they believe relevant and valuable. Sales and general promotional material should not be included, specific product literature may be included. The offer must be specific and must be responsive to the criteria set forth in this request. There is no page limit, but please be concise.

1.3 Clarification of instructions, terms and conditions, insurance, and preparation or submission of offers shall be made only by the Purchasing Services Office. No other source within NMIMT is authorized to explain, interpret, or give information concerning this RFP document. Further, no contact between the proposers and the end-users of the goods or services is permitted until an offer is selected and a contract signed. Questions must be submitted in writing and should be restricted to clarification of the RFP. Proposers should reference their questions to specific RFP sections, paragraphs and page numbers. Questions may be faxed to 575-835-5887 or emailed to purchasing@nmt.edu. **All questions must be submitted no later than 5:00 P.M. seven (7) calendar days before the proposal is due.** Questions and their answers will be incorporated into an addendum which will be posted on the Purchasing website at <http://www.nmt.edu/purchasing-services>. Receipt of addenda must be noted on the Proposer's offer confirming the receipt of any and all amendments.

1.4 This RFP implies no obligation on the part of NMIMT, nor does NMIMT's silence imply any acceptance or rejection of any offer. NMIMT reserves the right to accept or reject any or all offers or any part thereof, and to waive any technicalities or informalities in the offer if in the best interests of NMIMT. Incomplete offers may result in dismissal of all or part of the response.

1.5 The offer should be delivered to the Purchasing Services Office at the address shown on page 1. A total of one (1) original proposal with pricing and one thumb drive or disc with a copy. Please ensure that the original has **original signatures** preferably in colored ink. The completed offer must be in a sealed envelope or box marked with "Request for Proposal" and corresponding RFP number. Note: the Purchasing Services Office is closed at lunch M-F from noon until 1:00 p.m. if hand delivering, please time your arrival accordingly.

1.6 Each offer must give the complete mailing address of the Proposer and must be signed by the Proposer with the Proposer's legal authorized signature on the forms included in this RFP, electronic signatures are not acceptable. An offer by partnerships must be signed by one of the members of the partnership or by an authorized representative. Offers by corporations must be signed and sealed in the name of the corporation followed by the signature and title of the president, secretary or other person authorized to bind the corporation in the matter. The names of all signers should be typed or printed below the signature. **Unsigned offers will be considered non-responsive and returned to the Proposer.**

1.7 Offers will not be opened publicly but shall be opened in the presence of the Chief Procurement Officer and one or more NMIMT representatives.

1.8 Offers will be evaluated on their ability to satisfy the requirements stated herein at the best obtainable price. The precise method by which the Proposer shall be evaluated is detailed further in this document.

1.9 If a Proposer has assisted with the development of the proposal or has provided specifications, that Proposer MAY NOT submit an offer.

1.10 Each offer must be typed and legible. Failure to include all information requested in the RFP documents may render the Proposer's offer non-responsive and the offer may be returned to the Proposer. All information must be entered in ink or typed and corrections must be initialed.

1.11 No employee of NMIMT shall have any direct financial interest with any Proposer's company. Any violation of this provision will render the offer void unless it is approved by the Board of Regents after full disclosure by the employee.

1.12 Proposer’s response must be specific and in such form that the evaluation committee may readily compare the response to the appropriate criteria. If invited for an interview or product demonstration regarding this proposal, failure to respond to an invitation to make a presentation to the committee may result in an offer not being considered.

1.13 Proposer’s offer must be bound and indexed and must use, where required, the forms provided in the RFP. Proposers should organize each copy of their offer as follows, with a tab / section for each alpha designation and its title, in order to simplify evaluation. If the required format is not followed, the offer may be eliminated from consideration.

1.14 The Chief Procurement Officer will make every effort to adhere to the following schedule however the schedule is subject to change.

Action	Responsibility	Date
Issuance of Request for Proposal	NMIMT Purchasing	October 8, 2021
Mandatory Pre-Proposal Conference and Site Visit	NMIMT Purchasing Proposer	NA
Deadline for Questions	Proposer	November 1 , 2021 @5:00 PM (local time)
Deadline for Addendum(s)	NMIMT Purchasing	November 2, 2021 @5:00 PM (local time)
Submission of Offer	Proposers	November 8, 2021 @2:00 PM (local time)

2. MODIFICATION AND WITHDRAWAL OF OFFER

2.1 Any offer may be modified prior to the established due date in accordance with the requirements of the New Mexico Procurement Code 13-1-1 et seq. NMSA 1984 Supp. A late modification of an otherwise successful offer that makes its terms more favorable to NMIMT will be considered at any time it is received.

2.2 If not withdrawn before the proposal opening date and except as otherwise provided in the Procurement Code, no Proposer may withdraw its offer within ninety (90) days after the actual date of the opening. Prior to award, offers may be withdrawn anytime by written notice or in person by Proposer’s authorized representative.

2.2 No Proposer shall be deemed responsible if it has been debarred by NMIMT, if in the preceding twelve months it has failed to perform any contract, or if Proposer’s bonding company has been required to complete the work of a contract for Proposer.

3. RFP TERMINATION

3.1 This RFP in no manner obligates NMIMT to the eventual purchase of any services or goods described, implied or which may be offered, until confirmed by a written contract. Progress towards this end is solely at the discretion of NMIMT and may be terminated without penalty or obligation at any time prior to the signing of a contract. NMIMT reserves the right to cancel this RFP at any time, for any reason, and to reject any or all proposals.

4. EVALUATION CRITERIA

4.1 Offers shall be evaluated by a committee comprised solely of three to five (3-5) NMIMT employees. Offers must address each of the following criteria. Each offer may be awarded points up to the numeric value listed. Points will be awarded in compliance with NMSA 13-1-21 for New Mexico In-State Resident Business and Resident Veteran Business. If offer is a Joint Venture, Proposer shall state in submitted offer the percentage of work that will be performed by Resident Business and / or Resident Veteran Business. Please Note: A Proposer cannot be awarded both a resident preference and a resident veteran business preference. Proposers shall include in their proposal a copy of the certificate issued by State of New Mexico Taxation and Revenue. Offers will be evaluated by NMIMT on the following factors:

4.1.1

Identification Number	Evaluation Criteria	Basis for Evaluation
1.0 Experience and Past Performance		Weight 40%
1.1 Ability to provide the well services	The Proposers should have extensive experience, the ability, capacity and skill in the area of drilling, constructing, coring and logging of a stratigraphic well. Furnish three (3) examples of previous projects similar to the requirements stated in NM Tech's SOW. The information should include the following: <ol style="list-style-type: none"> a. Name and location b. Name, address, email address and telephone number of owner's representative c. Project description 	The previous work experience for the firm will be evaluated for their similarity to the requirements of NM Tech as stated in the SOW. In addition, customer satisfaction will be evaluated.
2.0 Approach to Providing Deliverables		Weight 30%
2.1 Approach	Proposer should confirm the approach that they will utilize to provide the required deliverables as described in the SOW.	Overall methodology to be employed; analytical procedures to be used; problem solving techniques used to provide deliverables.
2.2 Resume(s)	Proposer is to provide resumes for the all proposed key personnel that would include their education, qualifications / certifications, tenure with the company, and experience with projects of this size and complexity.	Resumes will be evaluated to determine the adequacy of the individual / firm being offered. Adequacy will be determined by reviewing such factors as: Applicable experience towards the position proposed Education Experience/Qualifications with projects similar in nature.
3.0 Cost		Weight 30%
	Proposals should include sufficient cost detail to provide the service requirements of this RFP. Cost assumptions made by the Offeror should be explained in sufficient detail to confirm the Offeror's understanding of the financial risks and cost elements to meet the requirements of the SOW.	Cost will be considered in the overall evaluation of proposals regarding cost consciousness, cost realism, probable costs, cost reasonableness, financial adequacy, and understanding of the contract requirements as reflected in the cost and financial information. Proposals which do not reflect a reasonable relationship of cost to the work to be performed may be viewed as a failure to comprehend the contract requirements.

4.2 The price portion of the offer shall remain sealed until the evaluation committee has completed its evaluation of the technical portions for all Proposers and has prepared technical scores for each. The evaluation committee will evaluate each Proposer's offer and then establish, by consensus, percentage points for each evaluation criteria. Award will be made to the Proposer(s) who receives the highest total score.

5. TERMS AND CONDITIONS

5.1 General

5.1.1 NMIMT's Terms and Conditions are an equal and integral part of this RFP.

5.1.2 This RFP, addenda, and all attachments will be considered to be part of and incorporated into the resultant contract or purchase order by reference.

5.1.3 The Proposer shall include all applicable costs in their proposal, including but not limited to licenses, materials and labor.

5.1.4 The freight terms shall be Freight Prepaid unless otherwise agreed to at the time of award. The F.O.B. will be destination unless otherwise agreed to at the time of award.

5.1.5 This RFP constitutes the entire agreement between the parties with respect to its subject and shall not be modified, altered or amended in any way except as provided for this RFP. This RFP and the resultant contract will be interpreted and governed by the Laws of the State of New Mexico.

5.2 NMIMT reserves the right to select the combination of goods and services that appear best-suited to meet the needs of NMIMT. NMIMT reserves the right to reject any offer outright even if technically superior, if such an offer exceeds NMIMT's available resources.

5.3 In evaluating the responses, the Purchasing Services Office reserves the right to accept or reject all or any part of any response, waive minor technicalities and award the contract to the Proposer that best serves the interests of NMIMT.

5.4 Expenses for developing offers, pre-proposal and site visits, and for demonstrations, if requested, are entirely the responsibility of the Proposer and shall not be chargeable in any manner to NMIMT.

5.5 NMIMT reserves the right to negotiate a change in Proposer's representative if the assigned representative is not supplying NMIMT's needs adequately. The right shall carry forward through the RFP period and the full time during which the service acquired as a result of the Request for Proposal is provided to NMIMT.

5.6 If Proposer's offer is accepted, the offer and appropriate modifications will be incorporated in the contract entered into between NMIMT and Contractor.

5.7 The Purchasing Services Office will contract for the proposed goods and / or services from the selected Contractor. Third-Party Subcontractors to the Contractor will be expected to comply with all terms and conditions of the award. During the term of the agreement, no work is to be performed by the Contractor without the express written consent of the Purchasing Service Office. Any work performed without written authorization shall be at the Contractor's expense. Any resulting agreement will be the exclusive statement of understanding between the parties with respect to its subject matter and shall consist of the following, in order of precedence:

- 1) NMIMT RFP# 2209025C and all addenda
- 2) Proposer's Offer

5.8 NMIMT shall reserve the right to terminate any contract entered into as a result of the RFP at any time by giving thirty (30) days written notice of its intent to cancel. In the event the Contractor fails to carry out and comply with any of the conditions and agreements to be performed under the specifications, NMIMT shall notify the Contractor, in writing, of such failure or default. In the event the necessary corrective action has not been completed within a ten (10) day period, the Contractor must submit, in writing, why such corrective action has not been performed. NMIMT reserves the right to determine whether or not such non-compliance may be construed as a failure of performance of the contract.

5.9 The Proposer must state those standard terms and conditions which the Proposer will expect NMIMT to consider. Any deviation from proposal specifications must be clearly identified by the Proposer. This RFP will prevail in the event of a conflict between the Proposer's offer and the RFP. NMIMT will consider but is not bound by any Proposer's standard terms and conditions. If an impasse occurs, the offer shall be disqualified.

5.9.1 Any proposed changes to the terms and conditions attached to this RFP including the additional terms and conditions must be stated in Offeror's proposal in a Section marked "TERMS AND CONDITIONS." Offerors are cautioned that any changes to the terms and conditions that are NOT stated in the RFP response, will not be entertained by NMIMT at a later date. Any provisions in any proposal, quotation, acknowledgment or other forms or contract documents applicable to the services that are inconsistent, or in conflict, with any provisions of this RFP or the resultant contract, will be ineffective and inapplicable.

5.9.2 NMIMT reserves the right to reject a proposal on the basis the compromising language which cannot be accepted by NMIMT. Any additional terms and conditions which may be the subject of negotiation will be discussed only between NMIMT and the successful Offeror and shall not be deemed an opportunity to amend the Offeror's proposal.

5.10 It shall be each Contractor's responsibility to provide for the safety of workers and public in compliance with the requirements of insurance and public health and safety.

5.11 The selected Contractor(s) shall be required to provide insurance certificates to the Purchasing Services Office as part of the resulting contract. Coverage must be maintained in full force for the duration of the contract, or until complete and successful performance of the contract is acknowledged by NMIMT. The following minimum amounts are required:

WORKER'S COMPENSATION - Minimum by Statute

COMMERCIAL GENERAL LIABILITY - INCLUDING CONTRACTUAL

Single Limit	\$500,000 OR
Bodily Injury Liability	\$100,000 each person and \$500,000 each occurrence
Property Damage Liability	\$100,000 each occurrence

COMPREHENSIVE AUTOMOBILE - Including Owned and Non-owned

Single Limit	\$500,000 OR
Bodily Injury Liability	\$100,000 each person and \$500,000 each occurrence
Property Damage Liability	\$100,000 each occurrence

5.12 Each party will be solely responsible for its liability for bodily injury, including death, or damage to property under the common law or statutory law of New Mexico and for only its own attorney fees and costs arising from the act or failure to act of such party or of its regents, directors, members, shareholders, officers, agents and employees pursuant to this Agreement; provided however, the foregoing obligation is a statement of responsibility pursuant to common and statutory law only and does not constitute an agreement to indemnify. The liability and responsibility of New Mexico Institute of Mining and Technology shall be subject to the immunities and limitations of the New Mexico Tort Claims Act, NMSA 1978, Sections 41-4- through 41-4-27, and of any amendments thereto, and shall be construed and applied in accordance with the laws of the State of New Mexico, irrespective of the conflict of law and choice of law principles of New Mexico or any other jurisdiction.

5.12.1 The Contractor shall adhere to the Federal Occupational Safety and Health Administration (OSHA) regulations and the State of New Mexico Environmental Improvement Board Occupation Health and Safety Regulations, and Radiation Control Bureau regulations that apply to work performed under this proposal. The Contractor shall defend, indemnify, and hold NMIMT free and harmless against any and all claims, loss, liability and expense resulting from any alleged violation(s) of said regulation(s) including but not limited to, fines or penalties, judgments, court costs, and attorney's fees.

5.13 NMIMT is an agency of the State of New Mexico. In accordance with State Statutes, Sections 7-9-13 and 7-9-54, sales of tangible personal property to NMIMT are specifically exempted from New Mexico Gross Receipts Tax. This exemption does not apply to the purchase of services, leases of property, or items purchased for a construction project.

5.13.1 All proposal amounts shall EXCLUDE any applicable Gross Receipts Tax. If the resulting contract is taxable, show the amount of the tax as a separate item on the itemized list.

5.13.2 Federal Registration #: 85-6000-411 New Mexico Identification #: CRS 01-507116-002

5.13.3 A Nontaxable Transaction Certificate (NTTC) can be obtained from NMIMT by sending a request to purchasing@nmt.edu along with company name, address and TIN or NM CRS number.

5.13.4 When appropriate, Contractor agrees to certify to the County of Socorro that all applicable Gross Receipts Taxes ("GRT") have been reported and paid under location code 25-025 in the unincorporated areas of Socorro County. Contractor agrees to certify to the City of Socorro that all applicable Gross Receipts Taxes ("GRT") have been reported and paid under location code 25-125 for work performed in the incorporated areas of Socorro.

5.14 In accordance with NMSA 13-1-129, Proposers are hereby notified that other governmental entities within the State of New Mexico, or as otherwise allowed by their respective governing directives, may contract for services with the awarded

Contractor. Contractual engagements accomplished under this provision shall be solely between the awarded Contractor and the contracting entity with no obligation by NMIMT.

5.15 The Immigration Reform and Control Act of 1986, Pub L 99-603 (8 USC 1324a) requires employers to verify the eligibility of individuals for employment to preclude the unlawful hiring, or recruiting or referring for a fee, of aliens who are not authorized to work in the United States. This information will be used by employers as a record of their basis for determining eligibility of an employee to work in the United States. The form will be kept by the employer and made available for inspection by authorized officials of the Department of Homeland Security, Department of Labor, and Office of Special Counsel for Immigration-Related Unfair Employment Practices. Submission of the information required is voluntary. However, an individual may not begin employment unless this form is completed, since employers are subject to civil or criminal penalties if they do not comply with the Immigration Reform and Control Act of 1986. More information regarding the employment requirements can be found at the following website: <http://www.uscis.gov/files/form/i-9.pdf> **NMIMT's E-Verify Company ID Number is 165512**

5.16 Any Contractor and Subcontractor(s) working on a contract(s) entered into subsequent to this RFP shall not discriminate against any employee or applicant for employment, to be employed in the performance of such contract, with respect to its hire, tenure, terms, conditions, or privileges of employment, because of age, color, disability, national origin, race, religion, gender, sexual orientation, or veteran status.

5.17 During the term of this agreement, NMIMT reserves the right to contract with the awarded Contractor for additional services as required. Such services shall be performed by mutual consent of the parties and shall be documented by addendum to the contract.

5.18 NMIMT reserves the right to audit the Contractor's records associated with this contract at any time during the contract period and for a period of up to three (3) years following the expiration or termination of the agreement. Such audit may be conducted by NMIMT personnel or a third party under contract with NMIMT. NMIMT shall give the Contractor reasonable notice prior to the conduct of any audit and upon receiving the notice from NMIMT the Contractor agrees to fully cooperate with the auditors.

5.19 Unless otherwise specifically stated by the Proposer, all equipment, materials, supplies and workmanship furnished or installed is to be free of defects and Proposer shall agree to replace solely at his / her expense any and all defective equipment, parts, etc. within a one (1) year period after the date of acceptance of the items and / or installation unless otherwise agreed to in writing at the time of award. Proposer also warrants the materials, supplies or services furnished to be exactly as specified in the order, free from defects and to be in compliance with any drawings or specifications incorporated herein and with any samples furnished by offeror. All applicable UCC warranties express and implied, are incorporated herein.

5.20 The performance of the Contract by NMIMT is contingent upon availability of sufficient funds and sufficient appropriations and authorizations being made by the funding entity(s) for such performance. NMIMT's decision as to whether sufficient funds are available and whether sufficient appropriations and authorizations have been made shall be made in good faith and in its sole discretion, shall be accepted unconditionally by the Contractor, and shall be final. If NMIMT decides that sufficient funds are not available and / or sufficient appropriations and / or authorizations have not been made, it shall notify the Contractor of its decision in writing and may either terminate the Contract or propose modifications to accommodate the insufficient funds and / or appropriations and / or authorizations. If NMIMT proposes modifications, the Contractor shall within thirty (30) days after receiving NMIMT's notice give NMIMT written notice that it has elected either to (i) accept the proposed modifications or (ii) terminate the Contract. If the Contractor fails timely to give such notice, it shall be deemed to have accepted the proposed modifications. In no event shall NMIMT be liable for any financial or other penalty on account of any termination or modification of the Contract as a result of insufficient funds, appropriations or authorizations.

6. DISCUSSIONS WITH PROPOSERS AND AWARD

6.1 The Procurement Code permits, and NMIMT reserve the right to conduct discussions with any or all Proposers, or to make an award of a contract without such discussions based only on evaluation of the written offers. NMIMT likewise reserves the right to designate an Evaluation Committee in evaluating the offers according to the evaluation criteria. NMIMT shall make a written determination showing the basis upon which the award was made and such determination shall be included in the procurement file.

6.2 If NMIMT is unable to negotiate a contract with the one selected as most qualified, negotiations will be terminated at the discretion of NMIMT. Negotiations will then be initiated with the next most qualified, or the procurement process will be terminated and new proposals requested.

7. PROCUREMENT CODE

7.1 This award shall be made pursuant to the provisions of the Procurement Code governing procurement of goods and services. Please note that Sections 13-1-199 NMSA impose civil and criminal penalties for violation of the provisions of the Procurement Code. New Mexico criminal statutes impose felony penalties for illegal bribes, gratuities or kickbacks.

8. RESIDENTIAL PREFERENCE

8.1 A New Mexico resident business shall be awarded the equivalent of five percent (5%) of the total possible points to be awarded based on the resident business possessing a valid resident business certificate in accordance with Section 13-1-21 of the New Mexico Statutes 1978 Annotated, Chapter 13. If applicable, document the residential preference number in the Offer form and attached the certificate to the response. The preference may not be combined with the Veterans Preference. Procurements involving federal funds are excluded from in state preference laws.

9. VETERANS PREFERENCE

9.1 A New Mexico resident veteran contractor, upon providing certification as a resident veteran with their offer, shall be given a preference of ten percent (10%). The preference may not be combined with the residential preference. Procurements involving federal funds are excluded from in state preference laws.

10. TERM

10.1 The terms of this agreement shall be for one year or upon completion of the project.

11. PUBLIC INSPECTION

11.1 General: After award, the register of offers shall be open to public inspection. Each offer, except those portions for which the Proposer has made a written request for confidentiality, shall also be open to public inspection.

11.2 Confidential Data: If a citizen of this State requests disclosure of data, for which a Proposer has made a written request for confidentiality, the Chief Procurement Officer shall examine the citizen's request and make a written determination that specifies which portions of the offer should be disclosed. Unless the Proposer protests under Section 13-1-172 NMSA 1978, the offer will be so disclosed. The offer shall be open to public inspection subject to any continuing prohibition on the disclosure of confidential data.

12. LICENSES AND PERMITS

12.1 The Contractor must keep himself informed of, and in adherence to, all laws and ordinances governing any matter related to the services to be performed. The Contractor shall obtain all necessary licenses and permits, and shall be aware of all labor conditions and agreements relating to the work specified in this document and shall make all provisions necessary to avoid any dispute which might arise from those conditions and agreements and shall be responsible for any delays, damages or extra costs caused by such disputes. The Contractor shall be solely engaged in this type of work and service.

13. CONTRACT TERMINATION

13.1 NMIMT reserves the right to terminate the contract with ninety (90) days written notice by the Chief Procurement Officer via certified mail to the address listed on the signature page of the RFP if any of the terms of the proposal and subsequent contract are violated.

13.1.1 If, through any cause and as determined solely by NMIMT, the Contractor shall fail to fulfill in a timely and proper manner its obligation under this agreement or if the Contractor shall violate or fail to meet any of the covenants, agreements or stipulations of this agreement, NMIMT shall thereupon have the right to terminate this agreement by giving five (5) days

written notice to the Contractor of such termination and specifying the effective date of such termination. In such event, all finished or unfinished documents, data and reports prepared by the Contractor under this agreement shall, at the option of NMIMT, become the property of NMIMT, and the Contractor shall be entitled to receive just and equitable compensation for any work satisfactorily completed hereunder. Notwithstanding the above, the Contractor shall not be relieved of liability to NMIMT for damages sustained by NMIMT by virtue of any breach of this agreement by the Contractor, and NMIMT may withhold any payments to the Contractor for the purposes of set-off until such time as the exact amount of damages due NMIMT from the contract is determined.

13.1.2 NMIMT may terminate the Contract at any time by giving ninety (90) days written notice to the Contractor. If the Contractor is terminated by NMIMT as provided herein, the Contractor will be paid an amount which bears the same ratio to the total compensation as the services actually performed bear to the total services of the Contractor covered by this agreement, less payments of compensations previously made. If this agreement is terminated due to the fault of the Contractor, the "Termination for Cause" clause will apply.

14. GOVERNMENT FLOW-DOWN PROVISIONS

The resulting order is subcontracted under a U.S. Government Prime Contract, the applicable clauses listed below are incorporated into, and form a part, of the terms and conditions of the resulting order. In the event of any conflict between previously referenced terms and conditions and the Government Flow-Down Provisions, the Government Flow-Down Provisions take precedence. The clauses contained in the following paragraphs of the Federal Acquisition Regulations (FAR) are incorporated herein by reference. The following provisions of the FAR apply at the specified order dollar amounts:

Title	Applicability	FAR Reference
Equal Employment Opportunity	All Orders	52.222-26 (Sept 2016)
Debarment and Suspension	All Orders	52.209-6 (Jun 2020)
Rights in Data Alt IV	All R&D Orders	52.227-14 (May 2014)
Anti-Kickback Act	Construction Over \$2K	52.203-7 (Jun 2020)
Limitations on Payments to Influence Certain Federal Transactions	Orders exceeding \$150K	52.203-12 (Jun 2020)
Audit & Negotiations Alt II	All Orders Over \$100K	52-215-2 (Jun 2020)
Davis Bacon Act	Construction Over \$2K	52.222-6 (Aug 2018)
Contract Work Hours & Safety Standards	Construction and Labor Hour Contracts Over \$2.5K	52.222-4 (Mar 2018)
E-Verification	All Orders	52.222-54 (Oct 2015)
Certification and Disclosure Regarding Payments to Influence Certain Transactions	All Orders Over \$150K	52.203-11 (Sept 2007)
Patent Rights Ownership by the Contractor Ownership by the Government	All Orders	52.227-11 (May 2014) 52.227-13 (Dec 2007)
Buy American Act	All Orders over \$3K	52.225-2 (May 2014)
Contract Terms & Conditions, Commercial Items	All Orders over \$10K	52.212-4 (Oct 2018)
Energy Efficiency in Energy-Consuming Products	All Orders and Services with Energy Consuming Products	52.223-15 (May 2020)
Contract Provisions for Non-Federal Entity Contracts Under Federal Awards	All Orders over \$150K	CFR200.236
Small Business Subcontracting Plan	All Orders over \$700K	52.219-9 (June 2020)
Subcontractor Certified Cost or Pricing Requiring Certified Cost or Pricing Data	All Orders over \$750K	52.215-12 (June 2020) 15.403-4
Disclosure and Consistency of Cost Acctg	All Orders over \$750K	52.230-3 (June 2020)
Recovered Material	Biobased products that use USDA designated items	52.223-1 (May 2012)
Recovered Material	Biobased products that do not use USDA designated items	52.223-2 (Sept 2013)
Recovered Material	EPA Designated items except off the shelf Items less than \$150K	52.223-4 (May 2008)
Recovered Material	EPA Designated items except off the shelf Items greater than \$150K	52.223-9 (May 2008)
Recovered Material	EPA-designated items Service and Construction	52.223-17 (Aug 2018)

15. SCOPE OF WORK

15.1 Scope and Intent for New Mexico Institute of Mining and Technology (NMIMT). ***There are four (4) Options and a Proposer may offer on all Options or a specific Option.***

The overall objective of the DOE funded project, titled as “San Juan Basin CarbonSAFE Phase III: Ensuring Safe Subsurface Storage of CO₂ in Saline Reservoirs” (Abbreviation: SJB CarbonSAFE III), is to perform a comprehensive commercial-scale site characterization of a storage complex located in northwest New Mexico to accelerate the deployment of integrated carbon capture and storage (CCS) technology at the San Juan Generating Station (SJGS). One of the main tasks for this project is to drill, construct, core, and log a stratigraphic (science) well in the area of interest.

OPTION 1 - Turnkey

Items	Description
Roads/Location/Dirtwork	Include the well pad construction, road construction, filling and cutting, etc.
Well Drilling	Include: rig mob/demob, labor, surface and downhole rental equipment such as but not limited to drilling rig, mud pump, separation system, drilling fluids, drillpipes, drill collars, fuel, casing running tool, onsite housing, utility services & power generation, security, etc.
Directional Drilling	Ensure maintaining the wellbore inclination <3.00 degrees to optimize core recovery.
Cement & Services	Provide services and advising for pumping cement slurry for surface, intermediate, and production casings. See the attached wellbore diagram for more details.
Formation Evaluation/Logging	Include mini-frac test and formation fluid sampling, see the attached logging program, mini-frac test program and fluid sampling program
Mud Logging	Monitor or log drill activity
Coring/Core Handling	See the attached coring program and the in-site core handling requirement
Fluid Disposal	Continuous drilling cutting will be collected from the fluid before disposal
P/T gauges (Optional)	Tubing-conveyed pressure and temperature gauges
Packers/Subsurface Equipment	See the attached wellbore diagram
Wellhead Equipment	Refer to the attached wellhead specification and wellbore diagram
Perforating/Slickline/Wireline	Perforation in the Entrada formation (Between 8,200 and 8,800). Formation tops per request.

Note: Tubing, casing and coupling will be provided by operator.

1. Logging Program

The proposed logging program is as follows:

Well Logging	Logging Program	Depth Intervals
Surface Casing		
Measurements While Drilling	Near Bit Gamma Ray (GR) and Annular Pressure while drilling (APWD)	1,500'-0'
Open Hole	Triple combo (Resistivity, Density, Neutron, Gamma Ray [GR], Caliper[CALI], and Spontaneous Potential [SP])	1,500'-0'
Cased Hole	Cement bond log [CBL/VDL/CCL], Radial (Azimuthal) cement evaluation, Flexural wave imaging, temperature	1,500'-0'
Intermediate Casing		
Measurements While Drilling	Near Bit Gamma Ray (Gr) and Annular Pressure while drilling (APWD)	5,500'-1,500'
Open Hole	Triple combo (Resistivity, Density, Neutron, Gamma Ray, Caliper, SP), Dipole sonic, Formation Imager - FMI	5,500'-1,500'
Cased Hole	Cement bond log [CBL/VDL/CCL], Radial (Azimuthal) cement evaluation, Flexural wave imaging, temperature	5,500'-1,500'
Production Casing		
Measurements While Drilling	Near Bit Gamma Ray (Gr) and Annular Pressure while drilling (APWD)	8,800'-5,500'
Open Hole	Triple combo (Resistivity, Density, Neutron, Gamma Ray [GR], caliper, and spontaneous potential [SP])	8,800'-5,500'
	Dipole Sonic, including long recording times to see reflections from fractures and faults, Formation Imager - FMI, Litho Scanner with Spectral Gamma Ray, Magnetic Resonance Scanner, Dielectric Scanner, Formation Fluid Samples of porous zones, Sidewall Coring	8,800'-5,500'
Cased Hole	Cement bond log [CBL/VDL/CCL], Radial (Azimuthal) cement evaluation, Flexural wave imaging, temperature, Cased Hole Nuclear Spectroscopy, Casing Inspection Log, Zero Offset Vertical Seismic Profile	8,800'-5,000'

The proposed mini-frac test program is as follows:

Description	Geologic Unit	Depth Interval (ft)	Testing Types
Secondary Seal	Lower Mancos Shale	6,632 - 7,073	Pore Pressure, Mini-frac
Secondary Seal	Morrison Fm., Brushy Basin Mbr., Shale	7,340 - 7,650	Pore Pressure, Mini-frac
Potential permeable lithology	Morrison Fm., Brushy Basin Mbr., Sand	7,340 - 7,650	Pore Pressure, Mini-frac
Potential sealing lithology	Morrison Fm., Salt Wash Mbr., Shale	7,650 - 7,920	Pore Pressure, Mini-frac
Secondary Reservoir	Morrison Fm., Salt Wash Mbr., Sand	7,650 - 7,920	Pore Pressure, Mini-frac
Secondary Reservoir	Bluff Fm.	7,920 - 8,090	Pore Pressure, Mini-frac
Primary Seal	Summerville Fm.	8,090 - 8,173	Pore Pressure, Mini-frac

Primary Seal	Todilto Fm.	8,173 - 8,192	Pore Pressure, Mini-frac
Primary Reservoir	Entrada Fm.	8,192 - 8,306	Pore Pressure, Mini-frac,
Underlying Seal	Carmel Fm.	8,306 - 8,528	Pore Pressure, Mini-frac

The proposed formation fluid sampling program is as follows:

Sampling Section	Sampling Formation	Depth Intervals, ft	Volumes
Intermediate, openhole	Ojo Alamo	1,330-1,920	1L
	Kirtland	1,920-2,059	1L
	Fruitland	2,059-2,769	1L
	Pictured Cliffs Ss.	2,769-2,904	1L
	Cliffhouse	4,334-4,515	1L
	Point Lookout	5,045-5,305	1L
Production, openhole	Dakota	7,185-7,340	1L
	Salt Wash	7,650-7,920	1L
	Bluff	7,920-8,090	1L
	Entrada	8,192-8,306	1L

2. Coring Program

The entire depth interval, from **7,410' to 8,346'** (Grand total: 936 ft), is required for the quotation phase. The proposed coring program is as follows:

Item	Goal	Depth Intervals
Coring interval #1	Look if there is enough of a seal between the lower reservoir units (Salt Wash, Bluff, and Entrada) and the Dakota Ss. (a gas producer in the area).	7,410'-7,530'
Coring interval #2	Look at both the transition between these two members of the Morrison and the lower Brushy Basin's sealing characteristics.	7,621'-7,691'
Coring interval #3	Collect cores in Salt Wash and Bluff formation, cap rock, and underlying formation. Also Collect cores in Entrada formation, cap rock, and underlying formation.	7,866'-8,346'

The proposer should address how coring and in-field core handling will be performed, especially with regard to the following recommendations and/or comments:

1. Use coring, drilling-mud, and service companies that have experience in the basin and coring the formations of interest or similar formations. Lithologies that may be cored include: shale/mudstones that may contain swelling clays; siltstones; sandstones; limestones; and evaporites.
2. The proposal should comment on whether a split or non-split inner liner for the core will be used and the rationale for how this may affect successful core retrieval. A split liner would probably improve the ease of removing the core in the lab (or field if needed; the use of a split liner can decrease the number of hammer and chisel induced fractures).
3. The proposal should address how communication will be conducted in the field (and remotely; via internet) with a CarbonSAFE representative and the drilling/rig workers/tool pusher. Note that a knowledgeable CarbonSAFE rep with decision making authority will be on site and made known to the drilling and coring

crews. The CarbonSAFE rep's role is to ensure continuity of knowledge, ensure QA/QC, and make decisions (e.g., for core points or the depths when coring begins).

4. A formal coring report is required and should be described in the proposal. The proposal should describe the following information that would be obtained and included in the formal coring report:
 - a. Mud type and weight
 - b. Bit type
 - c. Weight on bit
 - d. RPM
 - e. Rate of penetration
 - f. Rate of retrieval
 - g. Number and length of core runs
 - h. Start and stop depths and times of core runs
 - i. Depths of connections
 - j. If there are problems during coring such as drop in Pump Pressure or decreases in Rate of Penetration, this information should be documented and included in the coring report; any problems and their nature should be included, including depths
 - k. If there are multiple starts and stops to coring, document times and depths
 - l. Once out of the hole, in the coring report, document how the core was:
 - i. Removed from the rig floor
 - ii. Transported to lay-down site for removal from outer barrel
 - iii. Processed to remove core and inner liner from outer barrel
 - iv. Processed for cutting three-foot sections
 - v. Marked for depth and uphole direction
 - vi. Loaded and secured for transport to the lab
5. The CarbonSAFE rep will work with drilling-mud company and coring crew in real-time to call the exact core points.
6. Take at least 4-inch diameter core.
7. Core the entire thickness of the formations of interest if possible; if not possible, consider side-wall coring to supplement where whole core is not taken (some service companies offer 1.5 by approximately 3-inch plugs).
8. The proposal should address how challenges in core retrieval will be addressed. E.g., will replacement bits and/or a variety of different bit types be taken in the field? What methods or parameters will be varied (e.g., weight on bit, RPM, etc) or what decisions may be made to address challenges? What specific equipment will be used to avoid and/or deal with jamming?

The requirement for the in-field core handling and transportation are listed as below:

1. The proposal should describe how the measurement of depth of the retrieved core is to be made and how it was actually made (e.g., was the start-of-coring depth used to begin marking depth every foot on the outside of the core barrel/liner, and was the assumption made that any loss of core was at the bottom of the length of the core and not at the top?).
2. Be sure to remove core from the core catcher.
3. Measure and mark depth measurements on core barrels/liners following careful procedures, including for core down in the liner or sticking out the top, and report the procedures to the CarbonSAFE rep; also describe the procedures in the proposal. Before field activities, communicate to CarbonSAFE team how measuring and depth marking will be performed. Mark orientation (i.e., up direction) on core barrels/liners (e.g., with red and black lines). Marking should be permanent on the core barrels/liners (e.g., with indelible paint pens). The top and bottom of the 3-ft core -barrel tubes should be labeled (e.g., T1, T2, etc. or other appropriate marking). The proposal should clearly describe all marking procedures.
4. Cut core into ~3-ft sections (or other length specified by the CarbonSAFE rep) with cuts that allow for lockable re-assembly. The proposal should describe how the core cutting will be made (e.g., with what tools; how the cuts will allow for re-assembly). The cuts are extremely important so that proper re-

assembly of the core in the lab can be made so that relative fracture orientations and other features can be measured.

5. Place and seal rubber end caps on cut core sections except for those that may be selected for in-field preservation. (The CarbonSAFE rep may choose key sections of core to seal in wax in the field if careful high accuracy measurement of saturations is needed.) The proposal should state how the sealing of the cut core barrels/liners will be made (e.g., with hose clamps; duct tape, rubber end caps; etc).
6. Any loose pieces of core not in the core barrel/liner should be wrapped (e.g., with Mylar) or otherwise preserved and placed in appropriate labeled container (e.g., core boxes with proper labels).
7. Any information obtained to help understand the quality of the coring operation should be transferred to the CarbonSAFE rep (e.g., copied; emailed; etc.). Such information may include well/drilling core report, weight on bit, core barrel parameters, starting depth, time for cutting, rate of penetration, etc. Also see Number 4 on the formal required coring report.
8. Load and transport core directly to commercial lab (unless CarbonSAFE requests the core be shipped to a CarbonSAFE team member facility prior to shipment to the commercial core analysis lab)—*as this core will contain sensitive caprocks, drilling induced fractures, and natural fractures, ship and transport carefully to not create any new fractures; the goal is to keep the core in as pristine condition as possible to maximize the quality of the fractured core review and the tests on the sensitive caprocks.*

3. Cement Program

The proposed cementing program is as follows:

Casing	Depth	Cement Volume, sacks	Cement Type & Yield	Designed TOC	Centralizers
Conductor	100	127	Type I Neat 14.8 ppg	Surface	None
Surface	1500	1216	Type III Cement+ additives 14.6ppg, 1.38cuft/sk	Surface	1 per joint on bottom 3 joints
Intermediate	5500	50% open hole excess Stage 1 Lead: 544 sks Tail: 226 sks Stage 2 Lead: 422 sks Tail: 237 sks	Lead (Stages 1 and 2): Type III cement+ additives 12.1 ppg, 2.13cuft/sk Tail (Stage 1): Type III Cmt + additives, 14.5ppg, 1.38cuft/sk	Surface	1 per joint for bottom 3 joints, 1 on every 3 joints for remaining joints
Production	8800	75% open hole excess Lead: 864 sks Tail: 1258 sks	Lead: Class G cmt + additives, CO2 resistant cement, 16.1ppg, 1.07 cuft/sk	Surface	3 per joint

Note: cement program may change based on cementing engineer's field recommendation.

4. Mud Program

The proposed mud program is as follows:

Hole Size, in	Drilling Fluid System	Measured Depth, ft	Fluid Density, ppg	Plastic Viscosity, cp	Yield Point, lb/100ft ²	PH	Circulation Rate, GPM
17 1/2	Water-based Mud	0–1,500	8.3-9.2	9-14	1-10	9-10	500
12 1/4	Water-based Mud	1,500-5,500	8.4-8.6	9-14	1-10	9-10	500
8 3/4	Water-based Mud	5,000-8,800	8.5	9-14	1-10	9-10	500

Note: mud program may change based on mud engineer's field recommendation.

5. Wellhead Specification

The proposed wellhead equipment is as follows:

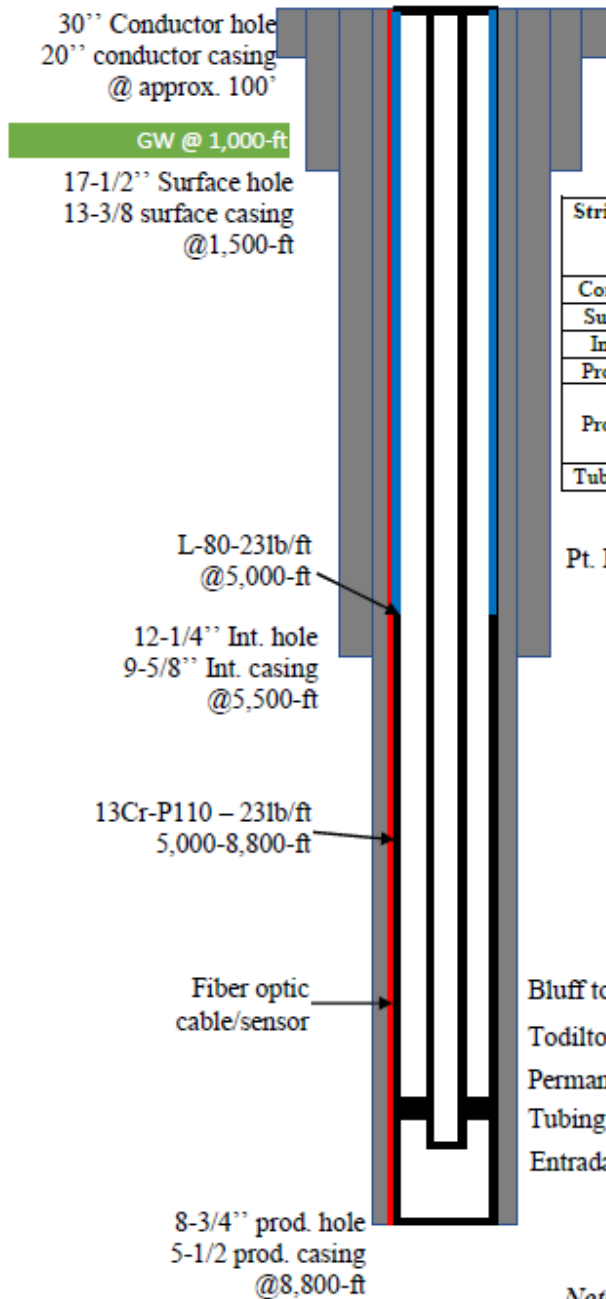
Section	Item	Description
A	Casing Head	13-3/8" SOW x 13-5/8", 5,000 psi WP
B	Casing Hanger	13-5/8" NOM x 9-5/8 OD, 3000 psi TP 11" NOM x 5-1/2" OD, 5000 psi TP
C	Tubing Head	11" 5,000 psi x 7-1/16" 5,000 psi WP

Note: The wellhead equipment may change based on the wellbore diagram and the well P&A.

6. Wellbore Diagram

Well Name: SJB CarbonSAFE #1
 Objective formation: Entrada
 County, State: San Juan County, NM
 Surface Legal Location: 12-31N-12W
 Surface Lease Line Footage: TBD
 API #: TBD

Rig: TBD
 Ground Elevation: 6,207-ft
 RBK Elevation: 6,237-ft
 TD: 8,800-ft
 MD: 8,800-ft
 Useable-quality GW: ~1,000-ft



String	Hole Size, in.	Casing OD, in	Weight, lb/ft	Grade	Con.	Depth, ft
Cond.	30	20	94	J-55	Welded	~100
Surf.	17-1/2	13-3/8	54.5	J-55	BTC	1,500
Int.	12-1/4	9-5/8	40.0	L-80	BTC	5,500
Prod.	8-3/4	5-1/2	23.0	L-80	BTC	5,000
Prod.	8-3/4	5-1/2	23.0	13Cr-P110	Premium BTC	5,000 – 8,800
Tubing	2 7/8 OD		7.8	L-80	BTC	8,200

Pt. Lookout top - 5,108-ft – 169-ft

Bluff top - 7,971-ft – 127-ft

Todilto TD = 8,180-ft

Permanent Packer; TD = 8,150-ft; min. pull = 45,000 lbf

Tubing TD = 8,200-ft; 2 7/8 L-80, WPF = 7.8 lb/ft

Entrada top - 8,200-ft – 116-ft

Note: #-ft - #-ft: top - thickness

*****End of Option 1*****

OPTION 2 – Logging

Items	Description
Formation Evaluation/Logging	Include mini-frac test and formation fluid sampling, see the attached logging program, mini-frac test program and fluid sampling program

Logging Program

The proposed logging program is as follows:

Well Logging	Logging Program	Depth Intervals
Surface Casing		
Measurements While Drilling	Near Bit Gamma Ray (GR) and Annular Pressure while drilling (APWD)	1,500'-0'
Open Hole	Triple combo (Resistivity, Density, Neutron, Gamma Ray [GR], Caliper[CALI], and Spontaneous Potential [SP])	1,500'-0'
Cased Hole	Cement bond log [CBL/VDL/CCL], Radial (Azimuthal) cement evaluation, Flexural wave imaging, temperature	1,500'-0'
Intermediate Casing		
Measurements While Drilling	Near Bit Gamma Ray (Gr) and Annular Pressure while drilling (APWD)	5,500'-1,500'
Open Hole	Triple combo (Resistivity, Density, Neutron, Gamma Ray, Caliper, SP), Dipole sonic, Formation Imager - FMI	5,500'-1,500'
Cased Hole	Cement bond log [CBL/VDL/CCL], Radial (Azimuthal) cement evaluation, Flexural wave imaging, temperature	5,500'-1,500'
Production Casing		
Measurements While Drilling	Near Bit Gamma Ray (Gr) and Annular Pressure while drilling (APWD)	8,800'-5,500'
Open Hole	Triple combo (Resistivity, Density, Neutron, Gamma Ray [GR], caliper, and spontaneous potential [SP])	8,800'-5,500'
	Dipole Sonic, including long recording times to see reflections from fractures and faults, Formation Imager - FMI, Litho Scanner with Spectral Gamma Ray, Magnetic Resonance Scanner, Dielectric Scanner, Formation Fluid Samples of porous zones, Sidewall Coring	8,800'-5,500'
Cased Hole	Cement bond log [CBL/VDL/CCL], Radial (Azimuthal) cement evaluation, Flexural wave imaging, temperature, Cased Hole Nuclear Spectroscopy, Casing Inspection Log, Zero Offset Vertical Seismic Profile	8,800'-5,000'

The proposed mini-frac test program is as follows:

Description	Geologic Unit	Depth Interval (ft)	Testing Types
Secondary Seal	Lower Mancos Shale	6,632 - 7,073	Pore Pressure, Mini-frac
Secondary Seal	Morrison Fm., Brushy Basin Mbr., Shale	7,340 - 7,650	Pore Pressure, Mini-frac

Potential permeable lithology	Morrison Fm., Brushy Basin Mbr., Sand	7,340 - 7,650	Pore Pressure, Mini-frac
Potential sealing lithology	Morrison Fm., Salt Wash Mbr., Shale	7,650 - 7,920	Pore Pressure, Mini-frac
Secondary Reservoir	Morrison Fm., Salt Wash Mbr., Sand	7,650 - 7,920	Pore Pressure, Mini-frac
Secondary Reservoir	Bluff Fm.	7,920 - 8,090	Pore Pressure, Mini-frac
Primary Seal	Summerville Fm.	8,090 - 8,173	Pore Pressure, Mini-frac
Primary Seal	Todilto Fm.	8,173 - 8,192	Pore Pressure, Mini-frac
Primary Reservoir	Entrada Fm.	8,192 - 8,306	Pore Pressure, Mini-frac,
Underlying Seal	Carmel Fm.	8,306 - 8,528	Pore Pressure, Mini-frac

The proposed formation fluid sampling program is as follows:

Sampling Section	Sampling Formation	Depth Intervals, ft	Volumes
Intermediate, openhole	Ojo Alamo	1,330-1,920	1L
	Kirtland	1,920-2,059	1L
	Fruitland	2,059-2,769	1L
	Pictured Cliffs Ss.	2,769-2,904	1L
	Cliffhouse	4,334-4,515	1L
	Point Lookout	5,045-5,305	1L
Production, openhole	Dakota	7,185-7,340	1L
	Salt Wash	7,650-7,920	1L
	Bluff	7,920-8,090	1L
	Entrada	8,192-8,306	1L

*****End of Option2*****

OPTION 3 – Core Analysis

Items	Description
Core Testing & Analysis	See the attached core analysis requirements

Coring Testing & Analysis

The proposer should follow ASTM and API standards if available for a given core analysis test or core handling activity. Please note: 1) The amount of core and the proposed number of samples or footage are tentative and may change, including the types of proposed tests; 2) Test quantity and sample locations to be tailored to heterogeneity; 3) Itemized price information for a given test and/or analysis is preferred.

The core testing & analysis requirement is as follows:

Required Data by UIC-VI	Relevant Commercial Lab, Test Description	Price Estimate & Info. Needed	Quantity Estimate	Comments
Mineralogy 40 CFR § 146.82(a)(3)(iii)	XRD, bulk and clay-size fraction, for quantitative mineralogy; swelling potential also characterized	Sample charge; methods (e.g., glycolation for shrink-swell, etc.)	Estimated 54	Required for injection and confining zone assessments; Cluster analysis will help guide no. of samples (e.g., rule of thumb is 3 tests per cluster, and rough guess to minimally cover heterogeneity is 18 clusters for 1000 ft or 3*18 = 54)
Porosity /Permeability 40 CFR § 146.82(a)(3)(iii)	Injection (reservoir) zone rocks -- Routine plug analysis for permeability, porosity, grain density, bulk density, and fluid saturations on fresh core samples; include info on "as received" and "dry" testing options as appropriate Confining (caprocks/sealing lithologies) zone rocks: Perm/porosity tailored for tight rocks, including grain density, bulk density, and fluid saturation on fresh core samples; include info on "as received" and "dry" testing options as appropriate	Sample charge; methods, includes any important details (e.g., Klinkenberg coefficient, etc.)	Estimated 120	
	Stress sensitivity: Porosity and perm. at multiple <i>in situ</i> stress levels	Sample charge; methods	Estimated quantity is ~30 for increased stress	Specifically for confining units; methods may vary from reservoir perm/porosity testing
Capillary Pressure 40 CFR § 146.82(a)(3)(iii)	Mercury intrusion capillary pressure measurements	Sample charge; methods	Estimated 45	Confining zone assessment is key to UIC-VI Rule; MICP may be a good method for characterizing heterogeneity in capillary pressure

<p>Geology /Facies Changes 40 CFR § 146.82(a)(3)(iii)</p>	<p>Spectral core gamma log, includes total gamma log and K, Th, U - important to tie to logs and for heterogeneity characterization</p>	<p>Footage charge</p>	<p>Desired for all core</p>	<p>Core amount may be ~600 ft to ~960 ft</p>
<p>Fractures 40 CFR §146.82(a)(3)(iv)</p>	<p>Fracture review (see comment) X-ray CT imaging</p>	<p>NA Footage charge; methods and provided information (e.g., scanning mode(s); photoelectric factor; bulk density; effective atomic number; types of images/views; image resolution; image format)</p>	<p>NA Estimated for 960 ft</p>	<p>CarbonSAFE team will perform a fracture core review themselves Commercial lab should provide information on how the large files will be distributed. Details on image/X-ray-derived data viewing software, if provided by the commercial lab, should be given. CarbonSAFE will want the CT scans available during the in-person physical characterization of the core (e.g., for fractures, lithology, etc.) by the CarbonSAFE team.</p>
<p>Ductility 40 CFR §146.82(a)(3)(iv)</p>	<p>Triaxial testing loaded to beyond failure to observe residual strength (obtain entire strength-strain curve and brittle-to-ductile transition); use multiple confining pressures; sampling and testing conditions should address anisotropy as appropriate (e.g., for confining zones; using sets of samples at three different orientations - horizontal, vertical, and 45°); tests should evaluate static and dynamic elastic properties; should include measurement of ultrasonic velocities</p>	<p>Sample charge (including sample prep. and data analysis); methods</p>	<p>Estimated 37 (depending on the lithologies, this may include the sets of 3 plugs at different orientation)</p>	<p>6 for Brushy Basin (important top confining unit) 4 for Salt Wash 4 for Bluff 9 for Summerville (important potential confining unit) 2 for Todilto (important confining unit) 6 for Entrada 6 for Chinle (lower sealing lithology) Note: this type of test is need: 1)to calibrate MEM; 2)to calibrate CarbonSAFE's mechanical earth model; 3)Especially important for anisotropic caprock properties.</p>
<p>Rock Strength 40 CFR §146.82(a)(3)(iv)</p>	<p>Unconfined compressive strength, determination of static elastic properties</p>	<p>Sample charge; analysis charge; methods</p>	<p>Estimated 30</p>	<p>10 for top of Morrison (Brushy and Salt Wash) 5 for Bluff formation 3 for Summerville 2 for Todilto 10 for top of Entrada Note: Probably should base number of samples on k-means cluster analysis and in-person core reviews of lithology and mechanical stratigraphy</p>

In-lab Core Handling, Core/Sample Prep., etc.	Core extrusion cleaning and re-assembly, includes master orientation line marking and wrapping core in plastic wrap to impede dry-out	Footage charge	Desired for all core length : 960 ft	Important for fracture core review, for relative core orientation; impede core dry-out and provide some support to core
	Core slabbing of cores	Footage charge	Desired for all core length : 960 ft	Lab should state what lubricant is used, e.g., water; CarbonSAFE will give further instructions when the time comes on the orientation of slabbing; we suggest the lab at least lock the core together and follow a line down the core through as many locking core pieces as possible. Otherwise the core may be cut completely randomly - one piece at a time; CarbonSAFE will decide whether the slab cut is to be cut perpendicular to any major fracture trend, e.g., to allow for easier observation of fractures in the slab box post slabbing
	Core slab boxes	Item charge	Based on amount of core	
	Wax coated whole core butt box	Item charge, length of box	Based on amount of core	
	Slabbed core photography, white light (WL), digital delivery	Footage charge, resolution/DPI	Desired for all core length : 960 ft	
	Laboratory preservation of core plug sample	Item charge; methods used	Estimated quantify is 100, to cover sample testing to be performed by CarbonSAFE team members	
	Cleaning of core plugs for testing	Sample charge; methods	Estimated quantity is ~120 plugs	
	Total organic carbon/pyrolysis	Sample charge; methods	Estimated quantity is 10; assume five for Brushy Basin at least; maybe include Chinle	Info to support caprock integrity and basin modeling (thermal maturity, burial history, maximum depth of burial, etc.); wireline logs (e.g., nuclear spectroscopy log) can guide sampling locations
Adsorption isotherm, CO ₂	Analysis charge	Estimated quantity is 2	To assess CO ₂ sorption in potentially smectite-bearing Brushy Basin as mechanism for improving CO ₂ storage	

Thin section preparation,
including appropriate stains

Sample charge;
methods; size
and staining
options

Estimated 150

Details for handling fragile samples (smectite-bearing,
etc.) are needed; staining where requested may be on
half of the half section

Please note:

- 1) Rough time estimates for analysis and sample prep. should be given.
- 2) Relative permeability and capillary pressure measurements using CO₂/Brine fluid pairs will be made by internal CarbonSAFE team members.
- 3) k-means cluster analysis or similar analyses on the spectral core gamma log and other wireline logs for rock type/cluster identification will be performed by a CarbonSAFE team member.
 - a. Cluster analysis will inform sampling density and locations for the various tests;
 - b. It will help guide sampling of core for testing and helps quantify heterogeneity and geological/facies changes.
- 4) CarbonSAFE team will perform core characterization on assembled core using elastic rebound hammers, an air permeameter, a portable ultrasonic system, and UV light (black light).
- 5) CarbonSAFE team will perform a fracture core review themselves, for induced and neutral fractures, including fracture type, fracture fill mineralization, and relative fracture orientation.
- 6) The CarbonSAFE team expects clear communication with the commercial lab, including for any questions on testing methods and to select samples, etc.
- 7) The proposal must state that a time-line will be developed with CarbonSAFE to address the timing and organization of the core data collection activities, some of which will be performed by CarbonSAFE team members.

*****End of Option 3*****

OPTION 4 – Coring and Core Handling

Items	Description
Coring/Core Handling	See the attached coring program and the in-site core handling requirement

Coring Program

The entire depth interval, from **7,410' to 8,346'** (Grand total: 936 ft), is required for the coring process. The proposed coring program is as follows:

Item	Goal	Depth Intervals
Coring interval #1	Look if there is enough of a seal between the lower reservoir units (Salt Wash, Bluff, and Entrada) and the Dakota Ss. (a gas producer in the area).	7,410'-7,530'
Coring interval #2	Look at both the transition between these two members of the Morrison and the lower Brushy Basin's sealing characteristics.	7,621'-7,691'
Coring interval #3	Collect cores in Salt Wash and Bluff formation, cap rock, and underlying formation. Also Collect cores in Entrada formation, cap rock, and underlying formation.	7,866'-8,346'

The proposer should address how coring and in-field core handling will be performed, especially with regard to the following recommendations and/or comments:

1. Use coring, drilling-mud, and service companies that have experience in the basin and coring the formations of interest or similar formations. Lithologies that may be cored include: shale/mudstones that may contain swelling clays; siltstones; sandstones; limestones; and evaporites.
2. The proposal should comment on whether a split or non-split inner liner for the core will be used and the rationale for how this may affect successful core retrieval. A split liner would probably improve the ease of removing the core in the lab (or field if needed; the use of a split liner can decrease the number of hammer and chisel induced fractures).
3. The proposal should address how communication will be conducted in the field (and remotely; via internet) with a CarbonSAFE representative and the drilling/rig workers/tool pusher. Note that a knowledgeable CarbonSAFE rep with decision making authority will be on site and made known to the drilling and coring crews. The CarbonSAFE rep's role is to ensure continuity of knowledge, ensure QA/QC, and make decisions (e.g., for core points or the depths when coring begins).
4. A formal coring report is required and should be described in the proposal. The proposal should describe the following information that would be obtained and included in the formal coring report:
 - a. Mud type and weight
 - b. Bit type
 - c. Weight on bit
 - d. RPM
 - e. Rate of penetration
 - f. Rate of retrieval
 - g. Number and length of core runs
 - h. Start and stop depths and times of core runs
 - i. Depths of connections

- j. If there are problems during coring such as drop in Pump Pressure or decreases in Rate of Penetration, this information should be documented and included in the coring report; any problems and their nature should be included, including depths
 - k. If there are multiple starts and stops to coring, document times and depths
 - l. Once out of the hole, in the coring report, document how the core was:
 - i. Removed from the rig floor
 - ii. Transported to lay-down site for removal from outer barrel
 - iii. Processed to remove core and inner liner from outer barrel
 - iv. Processed for cutting three-foot sections
 - v. Marked for depth and uphole direction
 - vi. Loaded and secured for transport to the lab
5. The CarbonSAFE rep will work with drilling-mud company and coring crew in real-time to call the exact core points.
 6. Take at least 4-inch diameter core.
 7. Core the entire thickness of the formations of interest if possible; if not possible, consider side-wall coring to supplement where whole core is not taken (some service companies offer 1.5 by approximately 3-inch plugs).
 8. The proposal should address how challenges in core retrieval will be addressed. E.g., will replacement bits and/or a variety of different bit types be taken in the field? What methods or parameters will be varied (e.g., weight on bit, RPM, etc.) or what decisions may be made to address challenges? What specific equipment will be used to avoid and/or deal with jamming?

The requirement for the in-field core handling and transportation are listed as below:

9. The proposal should describe how the measurement of depth of the retrieved core is to be made and how it was actually made (e.g., was the start-of-coring depth used to begin marking depth every foot on the outside of the core barrel/liner, and was the assumption made that any loss of core was at the bottom of the length of the core and not at the top?).
10. Be sure to remove core from the core catcher.
11. Measure and mark depth measurements on core barrels/liners following careful procedures, including for core down in the liner or sticking out the top, and report the procedures to the CarbonSAFE rep; also describe the procedures in the proposal. Before field activities, communicate to CarbonSAFE team how measuring and depth marking will be performed. Mark orientation (i.e., up direction) on core barrels/liners (e.g., with red and black lines). Marking should be permanent on the core barrels/liners (e.g., with indelible paint pens). The top and bottom of the 3-ft core -barrel tubes should be labeled (e.g., T1, T2, etc. or other appropriate marking). The proposal should clearly describe all marking procedures.
12. Cut core into ~3-ft sections (or other length specified by the CarbonSAFE rep) with cuts that allow for lockable re-assembly. The proposal should describe how the core cutting will be made (e.g., with what tools; how the cuts will allow for re-assembly). The cuts are extremely important so that proper re-assembly of the core in the lab can be made so that relative fracture orientations and other features can be measured.
13. Place and seal rubber end caps on cut core sections except for those that may be selected for in-field preservation. (The CarbonSAFE rep may choose key sections of core to seal in wax in the field if careful high accuracy measurement of saturations is needed.) The proposal should state how the sealing of the cut core barrels/liners will be made (e.g., with hose clamps; duct tape, rubber end caps; etc.).
14. Any loose pieces of core not in the core barrel/liner should be wrapped (e.g., with Mylar) or otherwise preserved and placed in appropriate labeled container (e.g., core boxes with proper labels).
15. Any information obtained to help understand the quality of the coring operation should be transferred to the CarbonSAFE rep (e.g., copied; emailed; etc.). Such information may include well/drilling core report, weight on bit, core barrel parameters, starting depth, time for cutting, rate of penetration, etc. Also see Number 4 on the formal required coring report.

16. Load and transport core directly to commercial lab (unless CarbonSAFE requests the core be shipped to a CarbonSAFE team member facility prior to shipment to the commercial core analysis lab)—*as this core will contain sensitive caprocks, drilling induced fractures, and natural fractures, ship and transport carefully to not create any new fractures; the goal is to keep the core in as pristine condition as possible to maximize the quality of the fractured core review and the tests on the sensitive caprocks.*

*****End of Option 4*****

DAVIS BACON WAGE RATES

"General Decision Number: NM20210012 01/15/2021

Superseded General Decision Number: NM20200012

State: New Mexico

Construction Type: Heavy

Counties: De Baca, Eddy, Grant, Hidalgo, Lea, Lincoln, Luna, Roosevelt, Sierra and Socorro Counties in New Mexico.

HEAVY CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.95 for calendar year 2021 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.95 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2021. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/01/2021
1	01/15/2021

ELEC0583-006 01/01/2020

HIDALGO AND LUNA COUNTIES

	Rates	Fringes
ELECTRICIAN	\$30.12	5.25% + \$7.52

* ELEC0611-002 01/01/2021

DE BACA, GRANT, LINCOLN, ROOSEVELT, SIERRA & SOCORRO COUNTIES

	Rates	Fringes
ELECTRICIAN ZONE 1	\$33.65	12.51

ZONE 1: Mileage calculated from the main post office in the following towns: Albuquerque-40 miles, Artesia-12 miles, Belen-12 miles, Carlsbad-12 miles, Carrizozo-12 miles, Clovis-12 miles, Espanola-14 miles, Farmington-6 miles, Gallup-10 miles, Hobbs-12 miles, Las Vegas-8 miles, Los Lunas-12 miles, Lovington-12 miles, Portales-12 miles, Raton-6 miles, Roswell-12 miles, Ruidoso-12 miles, Santa Fe-10 miles, Tucumcari-6 miles.

ZONE 2: Extending up to 20 miles beyond Zone 1, EXCEPT ALBUQUERQUE, shall receive 9% above Zone 1 rate.

ZONE 3: Extending up to 30 miles beyond Zone 1, EXCEPT ALBUQUERQUE, shall receive 15% above Zone 1 rate.

ZONE 4: Extending more than 30 miles beyond Zone 1, EXCEPT ALBUQUERQUE, shall receive 26% above Zone 1 rate.

* ELEC0611-006 01/01/2021

EDDY & LEA COUNTIES

	Rates	Fringes
ELECTRICIAN		
Zone 1	\$33.65	12.51

ZONE 1: Mileage calculated from the main post office in the following towns: Albuquerque-40 miles, Artesia-12 miles, Belen-12 miles, Carlsbad-12 miles, Carrizozo-12 miles, Clovis-12 miles, Espanola-14 miles, Farmington-6 miles, Gallup-10 miles, Hobbs-12 miles, Las Vegas-8 miles, Los Lunas-12 miles, Lovington-12 miles, Portales-12 miles, Raton-6 miles, Roswell-12 miles, Ruidoso-12 miles, Santa Fe-10 miles, Tucumcari-6 miles.

ZONE 2: Extending up to 20 miles beyond Zone 1, EXCEPT ALBUQUERQUE, shall receive 9% above Zone 1 rate.

ZONE 3: Extending up to 30 miles beyond Zone 1, EXCEPT ALBUQUERQUE, shall receive 15% above Zone 1 rate.

ZONE 4: Extending more than 30 miles beyond Zone 1, EXCEPT ALBUQUERQUE, shall receive 26% above Zone 1 rate.

* IRON0495-004 01/01/2021

	Rates	Fringes
IRONWORKER Structural	\$27.35	17.30

SUNM2009-006 09/14/2010

	Rates	Fringes
CARPENTER	\$22.26	6.20
IRONWORKER, REINFORCING	\$22.75	9.60
LABORER: Common or General	\$12.37	0.00
LABORER: Flagger	\$10.90	0.00
OPERATOR: Backhoe	\$14.03	0.00
OPERATOR: Grader/Blade	\$18.79	2.35
OPERATOR: Loader (Front End)	\$22.07	5.05
OPERATOR: Scraper	\$14.03	0.00

PIPEFITTER	\$25.64	11.31
PLUMBER	\$26.27	7.69
TRUCK DRIVER: Dump Truck	\$11.90	0.00
TRUCK DRIVER: Water Truck	\$13.72	5.25

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in

the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1. Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2. and 3. should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2. If the answer to the question in 1. is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3. If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4. All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

PROPOSAL FORMS

(ALL FORMS TO BE COMPLETED, SIGNED AND INCLUDED IN OFFER)

OFFER

To: New Mexico Institute of Mining and Technology
801 Leroy Place
Socorro, NM 87801
Re: RFP# 2209025C

Offer of _____ (hereinafter called Proposer) a:

Corporation Partnership or Individual

The Proposer in compliance with RFP mentioned above having examined the proposal documents and the site of the proposed work (if applicable), hereby proposes to furnish all materials, equipment, labor and supplies and to complete the work at the prices stated in their offer. These prices, excluding New Mexico Gross Receipts Taxes, are to cover all expenses incurred in performing the Work as required in the RFP proposal.

The Proposer accepts all of the terms and conditions of the Request for Proposal and Instructions to Proposer. This offer will remain subject to acceptance for ninety (90) days after the day of Proposal opening.

An award shall be made pursuant to the evaluation criteria in the Instruction to Proposers. The Institute reserves the right to accept or reject any all offers, based entirely on its own judgment as to which are in the best interest of the Institute and/or within available funds.

By signing this form, proposers acknowledge receipt of the following addendum/addenda:

#1 _____ #2 _____ #3 _____ #4 _____ #5 _____ #6 _____ #7 _____ #8 _____

Title

Date

Telephone

Email

Resident Contractor Certification Number
(include a copy with the offer)

Resident Veteran Contractor Certification Number
(include a copy with the offer)

Signature

Date

Please provide a point of contact for questions regarding your offer:

Name

Telephone

Email

CAMPAIGN CONTRIBUTION DISCLOSURE FORM

(please return with Offer)

Pursuant to NMSA 1978, § 13-1-191.1 (2006), any person seeking to enter into a contract with any state agency or local public body **for professional services, a design and build project delivery system, or the design and installation of measures the primary purpose of which is to conserve natural resources** must file this form with that state agency or local public body. This form must be filed even if the contract qualifies as a small purchase or a sole source contract. The prospective contractor must disclose whether they, a family member or a representative of the prospective contractor has made a campaign contribution to an applicable public official of the state or a local public body during the two years prior to the date on which the contractor submits a proposal or, in the case of a sole source or small purchase contract, the two years prior to the date the contractor signs the contract, if the aggregate total of contributions given by the prospective contractor, a family member or a representative of the prospective contractor to the public official exceeds two hundred and fifty dollars (\$250) over the two year period.

Furthermore, the state agency or local public body shall void an executed contract or cancel a solicitation or proposed award for a proposed contract if: 1) a prospective contractor, a family member of the prospective contractor, or a representative of the prospective contractor gives a campaign contribution or other thing of value to an applicable public official or the applicable public official's employees during the pendency of the procurement process or 2) a prospective contractor fails to submit a fully completed disclosure statement pursuant to the law.

THIS FORM MUST BE FILED BY ANY PROSPECTIVE CONTRACTOR WHETHER OR NOT HE/SHE/IT, HIS/HER/ITS FAMILY MEMBER, OR REPRESENTATIVE HAS MADE ANY CONTRIBUTIONS SUBJECT TO DISCLOSURE.

The following definitions apply:

"Applicable public official" means a person elected to an office or a person appointed to complete a term of an elected office, who has the authority to award or influence the award of the contract for which the prospective contractor is submitting a competitive sealed proposal or who has the authority to negotiate a sole source or small purchase contract that may be awarded without submission of a sealed competitive proposal.

"Campaign Contribution" means a gift, subscription, loan, advance or deposit of money or other thing of value, including the estimated value of an in-kind contribution, that is made to or received by an applicable public official or any person authorized to raise, collect or expend contributions on that official's behalf for the purpose of electing the official to either statewide or local office. "Campaign Contribution" includes the payment of a debt incurred in an election campaign, but does not include the value of services provided without compensation or unreimbursed travel or other personal expenses of individuals who volunteer a portion or all of their time on behalf of a candidate or political committee, nor does it include the administrative or solicitation expenses of a political committee that are paid by an organization that sponsors the committee.

"Family member" means spouse, father, mother, child, father-in-law, mother-in-law, daughter-in-law, or son-in-law.

"Pendency of the procurement process" means the time period commencing with the public notice of the request for proposals and ending with the award of the contract or the cancellation of the request for proposals.

"Person" means any corporation, partnership, individual, joint venture, association or any other private legal entity.

"Prospective contractor" means a person who is subject to the competitive sealed proposal process set forth in the Procurement Code or is not required to submit a competitive sealed proposal because that person qualifies for a sole source or a small purchase contract.

"Representative of a prospective contractor" means an officer or director of a corporation, a member, or manager of a limited liability corporation, a partner of a partnership or a trustee of a trust of the prospective contractor.

DISCLOSURE OF CONTRIBUTIONS:

Contribution Made By: _____

Relation to Prospective Contractor: _____

Name of Applicable Public Official: _____

Date Contribution(s) Made: _____

Amount(s) of Contribution(s): _____

Nature of Contribution(s): _____

Purpose of Contribution(s): _____
(Attach extra pages if necessary)

Name

Title

Signature

Date

-OR-

NO CONTRIBUTIONS IN THE AGGREGATE TOTAL OVER TWO HUNDRED FIFTY DOLLARS (\$250) WERE MADE to an applicable public official by me, a family member, or representative.

Name

Title

Signature

Date

CERTIFICATION REGARDING

DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS

(please return with Offer)

The prospective participant certifies to the best of its knowledge and belief that it and its principals:

Debarment: Are not presently debarred, suspended, proposed for debarment, and declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency.

Have not within a three year period preceding this proposal been convicted of all has a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal of State Antitrust statues or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property.

Are not presently indicted for otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses in enumerated in paragraph (2) of this certification and

Have not within a three year period preceding this proposal had one or more public transaction (Federal, State, or local) terminated for cause or default.

Anti-Kickback: Per N.M.S.A. 13-1-191 & 198 and the Federal Acquisition Regulation (FAR 52.203.7) Anti-Kickback Act of 1986, in signing this offer we certify that we have not made, or accepted any money, fee, commission, credit, gift, gratuity, thing of value, or compensation of any kind which was provided for the purpose of improperly obtaining, or as a reward for favorable treatment in connection with, any prime contract, or a subcontract relating to a prime contract.

I understand that a false statement of this certification may be ground for rejection of this proposal or termination of the award. Under 18USC Sec. 101, a false statement may result in a fine up to \$10,000 or imprisonment for up to 5 years, or both.

Name

Title

Signature

Date

NON-COLLUSION AFFIDAVIT

(please return with Offer)

State of _____)

County of _____)

_____, being first duly sworn, deposes and says that he/she is (title) _____ of (organization) _____ submits herewith to New Mexico Institute of Mining and Technology, a proposal and that all statement of fact in such proposal is true.

That said proposal was not made in the interest of or on behalf of any undisclosed person, partnership, company, association, organization or corporation;

That said Proposer has not directly or indirectly by agreement, communication or conference with anyone attempted to induce action prejudicial to the interest of NMIMT, or any Proposer of anyone else interested in the proposed contract and further,

That prior to the public opening and reading of proposal, said Proposer:

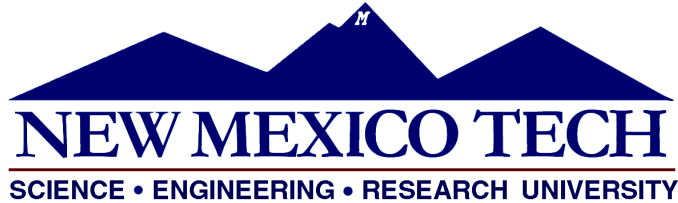
1. Did not directly or indirectly induce or solicit anyone else to submit a false or sham proposal
2. Did not directly or indirectly collude, conspire, connive or agree with anyone else that said Proposer or anyone else would submit a false or sham proposal or that anyone should refrain from bidding or withdraw his proposals;
3. Did not in any manner directly or indirectly, seek by agreement, communication or conference with anyone to raise or fix the proposal price or fix the proposal price of said Proposer or of anyone else or to raise or fix any overhead, profit or cost element of their proposal price or of that of anyone else;
4. Did not directly or indirectly, submit his proposed price or any breakdown thereof, or the contest thereof, or divulge information or data relative thereto, to any corporation, partnership, company, association organization, bid depository or to any member or agent thereof, or to any individual of group of individuals, except that NMIMT, or to any person or persons who have a partnership or other financial interest with said Proposer in his business.

Name

Title

Signature

Date



PROFESSIONAL SERVICES AGREEMENT (PSA) (to be completed with selected vendor(s))

Agreement / Purchase Order Number: _____ RFP _____

THIS AGREEMENT, made and entered into this ____ day of _____, 20__ by and between New Mexico Institute of Mining and Technology, hereinafter called New Mexico Tech, and

(Company / Individual Name)

(Address)

(City, State, Zip)

Hereinafter called the "Contractor"

WITNESSETH:

NOW THEREFORE, in consideration of the premises and of the mutual and reciprocal promises of the parties hereto, is hereby covenanted and agreed by and between parties:

1. That the Contractor will render the following professional services to New Mexico Tech:

2. That the Contractor represents and warrants that the Contractor is professionally qualified to render the consultant services required by New Mexico Tech and possess any licenses and / or certifications required under state or federal law to perform the services required under this Agreement.

3. If the work to be performed under this Agreement is funded wholly or in part by the federal government, the Contractor represents and warrants that neither Contractor nor any employee of Contractor nor any subcontractor of Contractor are employees of the funding agency.

4. That the Contractor will devote the necessary hours each week to the performance of such duties that may be assigned to him / her by New Mexico Tech.

5. That the Contractor shall provide written progress reports and schedules in sufficient detail to the Department at a frequency agreed upon between the parties.

6. That the Contractor will serve New Mexico Tech diligently and faithfully, and according to its ability and in all respects will use his / her utmost endeavors to promote the interest of New Mexico Tech.

7. That the Contractor will maintain records indicating the date and length of time such services are rendered. These records shall be subject to inspection by the designated agent of New Mexico Tech. If federal funds are used under this Agreement, the Contractor and its subcontractors shall preserve fiscal records and supporting documentation for a period of three (3) years from the date of termination of this Agreement if an audit to the satisfaction of 2 CFR 200 Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards has occurred by that time. If such audit has not occurred by that time, the records must be retained until an audit has occurred or for a period of five (5) years from the date of termination of this Agreement, whichever comes first. If any litigation, claim, or audit is started before the expiration of the retention period, the records shall be retained until all litigations, claims, or audit findings involving the records

have been resolved. The Contractor shall make its fiscal records and supporting documentation available for audit by New Mexico Tech and / or the Federal Government and any persons or entities hired by the above named. The Contractor shall refund any costs disallowed by such audit to New Mexico Tech.

8. That services rendered by the Contractor shall be performed at _____ or where New Mexico Tech shall designate. Contractor shall provide written notification to the Department when the costs incurred exceeds seventy-five percent (75%) of the total amount obligated under this Agreement.

9. That for the services rendered satisfactory, New Mexico Tech agrees to pay the Contractor compensation as follows, at the following rate (hourly or daily) of \$_____ plus expenses (if applicable) as follows: _____ . Such compensation and expenses not to exceed \$_____ in total, payable by New Mexico Tech upon receipt of a signed invoice or Payee Claim for Reimbursement. The Contractor will pay the State of New Mexico the Gross Receipts Tax levied on the amounts payable under this Agreement.

10. Invoices shall be sent to New Mexico Tech, Accounts Payable, 801 Leroy Place, Socorro, NM 87801. Invoices shall be presented at the beginning of each month covering services and / or expenses incurred during the previous month, all applicable taxes shall be shown as a separate line item. The purchase order number shall be clearly marked on all invoices.

11. That the Contractor is an independent contractor performing professional services for New Mexico Tech. The Contractor shall not accrue leave, retirement, insurance, or any other benefits afforded to employees of New Mexico Tech as a result of this Agreement.

12. The performance of this Agreement by New Mexico Tech is contingent upon availability of sufficient funds and sufficient appropriations and authorizations being made by the funding entity(s) for such performance. New Mexico Tech's decision as to whether sufficient funds are available and whether sufficient appropriations and authorizations have been made shall be made in good faith and in its sole discretion, shall be accepted unconditionally by the Contractor, and shall be final. If New Mexico Tech decides that sufficient funds are not available and / or sufficient appropriations and / or authorizations have not been made, it shall notify the Contractor of its decision in writing and may either terminate this Agreement or propose modifications to accommodate the insufficient funds and/or appropriations and/or authorizations. If NMT proposes modifications, the Contractor shall within thirty (30) days after receiving New Mexico Tech's notice give New Mexico Tech written notice that it has elected either to (i) accept the proposed modifications or (ii) terminate this Agreement. If the Contractor fails timely to give such notice, it shall be deemed to have accepted the proposed modifications. In no event shall New Mexico Tech be liable for any financial or other penalty on account of any termination or modification of this Agreement as a result of insufficient funds, appropriations or authorizations.

13. That the Contractor shall not assign any interest in this Agreement or transfer any interest in same or assign any claim for money due or to become due under this Agreement without the prior written consent of New Mexico Tech.

14. That either party, independent or in concert, may terminate this Agreement by giving thirty (30) days written notice to the other party.

15. That this Agreement incorporates all of the agreements, covenants, and understandings between the parties hereto concerning the subject matter hereof and that all such covenants, agreements, and understandings, have been merged into this written Agreement. No prior agreement or understanding verbal or otherwise of the parties or their agents shall be valid or enforceable unless embodied in this Agreement.

16. That this Agreement shall not be altered, changed, or amended except by the instrument in writing executed by the parties hereto. The foregoing being clearly understood and agreed to, the parties hereto have set their hands and seals.

17. That this Agreement shall be deemed to be an Agreement made in accordance with the laws of the State of New Mexico.

18. Each party will be solely responsible for its liability for bodily injury, including death, or damage to property under the common law or statutory law of New Mexico and for only its own attorney fees and costs arising from the act or failure to act of such party or of its regents, directors, members, shareholders, officers, agents and employees pursuant to this Agreement; provided however, the foregoing obligation is a statement of responsibility pursuant to common and statutory law only and does not constitute an agreement to indemnify. The liability and responsibility of New Mexico Institute of Mining and Technology shall be subject to the immunities and limitations of the New Mexico Tort Claims Act, NMSA 1978, Sections 41-4- through 41-4-27, and of any amendments thereto, and shall be construed and applied in accordance

with the laws of the State of New Mexico, irrespective of the conflict of law and choice of law principles of New Mexico or any other jurisdiction.

19. Throughout the period of this Agreement, copies of all correspondence, work products, specifications, estimates and other material prepared by the Contractor should be directed to the Department Contact Person. Direct contact or communication by the Contractor with other New Mexico Tech offices or any other state or governmental entity concerning the Agreement shall be made only with the prior knowledge and approval of the Department Contact Person.

20. All documents which are prepared by the Contractor or any subcontractor that form a part of its services under this Agreement shall be the property of New Mexico Tech and shall be delivered to New Mexico Tech upon termination of this Agreement if so requested by New Mexico Tech. The Contractor shall be responsible for the protection and / or replacement of any original documents in its possession. New Mexico Tech shall receive all original drawings and documentation.

21. For the consideration payable under this Agreement, the work product required by this Agreement shall be considered a work made for hire within the meaning of that term under the copyright laws of the United States, applicable common law and corresponding laws of other countries. New Mexico Tech shall have sole right and authority to seek statutory copyright protection and to enjoy the benefit of ownership of the work. The party performing the work hereby assigns all rights, title and interest in and to the work to New Mexico Tech and shall require all subcontractors to agree in writing that they assign all right, title and interest in work product to New Mexico Tech required by the Agreement.

22. For the consideration payable under this Agreement, the Contractor agrees to report to New Mexico Tech any invention arising out of the work required by this Agreement. New Mexico Tech shall have sole right and authority to seek statutory patent protection under United States and foreign patent laws to enjoy the benefits of ownership of the invention, whether or not the invention was required of the Contractor or subcontractor as part of the performance of the Agreement. The Contractor hereby assigns all right, title and interest in and to inventions made in the course of the Agreement and agrees to execute and deliver all documents and do any and all things necessary and proper to effect such assignment. Contractor shall require all subcontractors to agree in writing that they will execute and deliver all documents and do any and all things necessary and proper to effect assignment of inventions arising out of the Agreement.

23. Confidential information provided by New Mexico Tech to Contractor shall not be disclosed by Contractor, its' officers, employees or agents, to any third party, without the express written consent of New Mexico Tech.

24. The Contractor shall follow the Immigration Reform and Control Act of 1986, Pub L 99-603 (8 USC 1324a). More information regarding the employment requirements can be found at the following website: <http://www.uscis.gov/files/form/i-9.pdf> NMT E-Verify Company ID Number is 165512.

CONTRACTOR INFORMATION

NAME

MAILING ADDRESS

TELEPHONE NUMBER

CITY / ST/ ZIP CODE

EMAIL ADDRESS

DEPARTMENT INFORMATION

DEPARTMENT

CONTACT PERSON

TELEPHONE NUMBER

EFFECTIVE DATE: _____

TERMINATION DATE: _____

TOTAL AMOUNT THIS AGREEMENT SHALL NOT EXCEED: \$ _____

THIS AGREEMENT BETWEEN NEW MEXICO TECH AND _____

HAS BEEN APPROVED BY:

SIGNATURE OF CONTRACTOR

SIGNATURE OF CHIEF PROCUREMENT OFFICER

SIGNATURE OF DEPARTMENT

SIGNATURE OF VICE PRESIDENT OF ADMINISTRATION
AND FINANCE

___ THIS AGREEMENT IS NOT A FEDERALLY FUNDED PROJECT.

___ THIS AGREEMENT IS A FEDERALLY FUNDED PROJECT AND THE ATTACHED FEDERAL ACQUISITION REGULATIONS (FAR) CERTIFICATIONS, and FLOW-DOWN PROVISIONS APPLY.

Allowability of Costs under Sponsor's prime contract will be determined in accordance with 2 CFR 200 Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards. Allowability of subcontractor costs, if commercial entity, will be determined in accordance with FAR 31.2 Cost Principles for Contracts with Commercial Organizations. In the event any subcontractor costs are disallowed under the prime contract because of a conflict between the provisions of 2 CFR 200 and FAR 31.2, the provisions of 2 CFR 200 shall govern.

THE FOLLOWING MUST BE CERTIFIED FOR ALL AGREEMENTS \$25,000 OR GREATER USING FEDERAL FUNDS

CONFLICT OF INTEREST

The authorized Person, Firm and / or Corporation states that to the best of his/her belief and knowledge:

No employee or Regent of New Mexico Tech (or close relative), with the exception of the person(s) identified below, has a direct or indirect financial interest in the Contractor or in the proposed transaction. Contractor neither employs, nor is negotiating to employ, any New Mexico Tech employee, Regent or close relative, with the exception of the person(s) identified below. Contractor did not participate, directly or indirectly, in the preparation of specifications upon which the quote or offer is made. If the Contractor is a New Mexico State Legislator or if a New Mexico State Legislator holds a controlling interest in Contractor, please identify the legislator(s):

List below the name(s) of any New Mexico Tech employee, Regent or close relative who now or within the preceding twelve (12) months

- (1) works for the Contractor;
- (2) has an ownership interest in the Contractor (other than as an owner of less than 1% of Contractor's stock, if Contractor is a publicly traded corporation);
- (3) is a partner, officer, director, trustee or consultant to the Contractor;
- (4) has received grant, travel, honoraria or other similar support from Contractor; or
- (5) has a right to receive royalties from the Contractor.

NAME OF INDIVIDUAL(S)

DEBARMENT/SUSPENSION STATUS

The Contractor certifies that it is not suspended, debarred or ineligible from entering into contracts with the Executive Branch of the Federal Government, or in receipt of a notice or proposed debarment from any Agency per FAR 52.209-5. The Contractor agrees to provide immediate notice to the New Mexico Tech Purchasing Department in the event of being suspended, debarred or declared ineligible by any department or federal agency, or upon receipt of a notice of proposed debarment that is received after the submission of the quote or offer but prior to the award of the purchase order or contract.

CERTIFICATION

The undersigned hereby certifies that he/she has read the above CONFLICT OF INTEREST and DEBARMENT/SUSPENSION Status requirements and that he/she understands and will comply with these requirements. The undersigned further certifies that they have the authority to certify compliance for the Contractor named and that the information contained in this document is true and accurate to the best of their knowledge.

_____ Signature	_____ Title	_____ Date
_____ Printed Name	_____ Company Name	
_____ Address	_____ City / State / Zip Code	

**THE FOLLOWING MUST BE CERTIFIED FOR ALL AGREEMENTS \$100,000 OR GREATER USING FEDERAL FUNDS
 CERTIFICATION AND DISCLOSURE REGARDING PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS
 (September, 2005)**

1. In accordance with FAR 52.102, the definitions and prohibitions contained in the clause at FAR 52.203-12, Limitation on Payments to Influence Certain Federal Transactions, included in this solicitation, are hereby incorporated by reference in this certification.

2. The offeror, by signing its offer, hereby certifies to the best of his or her knowledge and belief that on or after; December 23, 1989

A. No Federal appropriated funds have been paid or will 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 on his or her behalf in connection with the awarding of any Federal contract.

B. If any funds other than Federal appropriated funds (including profit or fee received under a covered Federal Transaction) have been paid, or will be paid, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress on his or her behalf in connection with this solicitation, the offeror shall complete and submit, with its offer, OMB Standard Form LLL, Disclosure of Lobbying Activities, to the Contracting Officer; and

C. He or she will include the language of this certification in all subcontract awards at any tier and require that all recipients of subcontract awards in excess of \$100,000 shall certify and disclose accordingly.

3. Submission of this certification and disclosure is a prerequisite for making or entering into this contract imposed by Section 1352, Title 31, United States Code. Any person who makes expenditure prohibited under this provision or who fails to file or amend the disclosure form to be filed or amended by this provision shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

The undersigned company agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401 et seq.) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251 et seq.)

CERTIFICATION

The undersigned hereby certifies that he / she has read the above CERTIFICATION AND DISCLOSURE REGARDING PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTION (APR 1991) and CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT requirements and that he / she understands and will comply with these requirements. The undersigned further certifies that they have the authority to certify compliance for the Contractor named below.

Signature

Title

Date

Printed Name

Company Name

Address

City / State / Zip Code

GOVERNMENT FLOW-DOWN PROVISIONS

The resulting order is subcontracted under a U.S. Government Prime Contract, the applicable clauses listed below are incorporated into, and form a part, of the terms and conditions of the resulting order. In the event of any conflict between previously referenced terms and conditions and the Government Flow-Down Provisions, the Government Flow-Down Provisions take precedence. The clauses contained in the following paragraphs of the Federal Acquisition Regulations (FAR) are incorporated herein by reference. For purposes of this Purchase Order, in the following clauses, the term “contract” shall mean “this order”, the term “contractor” shall mean “Seller” and the term “Government” and “Contracting Officer” shall mean “New Mexico Institute of Mining and Technology (NMIMT) and the “Chief Procurement Officer” respectively. The following provisions of the FAR apply at the specified order dollar amounts:

Title	Applicability	FAR Reference
Equal Employment Opportunity	All Orders	52.222-26 (Sept 2016)
Debarment and Suspension	All Orders	52.209-6 (Jun 2020)
Rights in Data Alt IV	All R&D Orders	52.227-14 (May 2014)
Anti-Kickback Act	Construction Over \$2K	52.203-7 (Jun 2020)
Limitations on Payments to Influence Certain Federal Transactions	Orders exceeding \$150K	52.203-12 (Jun 2020)
Audit & Negotiations Alt II	All Orders Over \$100K	52-215-2 (Jun 2020)
Davis Bacon Act	Construction Over \$2K	52.222-6 (Aug 2018)
Contract Work Hours & Safety Standards	Construction and Labor Hour Contracts Over \$2.5K	52.222-4 (Mar 2018)
E-Verification	All Orders	52.222-54 (Oct 2015)
Certification and Disclosure Regarding Payments to Influence Certain Transactions	All Orders Over \$150K	52.203-11 (Sept 2007)
Patent Rights Ownership by the Contractor Ownership by the Government	All Orders	52.227-11 (May 2014) 52.227-13 (Dec 2007)
Buy American Act	All Orders over \$3K	52.225-2 (May 2014)
Contract Terms & Conditions, Commercial Items	All Orders over \$10K	52.212-4 (Oct 2018)
Energy Efficiency in Energy-Consuming Products	All Orders and Services with Energy Consuming Products	52.223-15 (May 2020)
Contract Provisions for Non-Federal Entity Contracts Under Federal Awards	All Orders over \$150K	CFR200.236
Small Business Subcontracting Plan	All Orders over \$700K	52.219-9 (June 2020)
Subcontractor Certified Cost or Pricing Requiring Certified Cost or Pricing Data	All Orders over \$750K	52.215-12 (June 2020)
Disclosure and Consistency of Cost Acctg	All Orders over \$750K	15.403-4 52.230-3 (June 2020)
Recovered Material	Biobased products that use USDA designated items	52.223-1 (May 2012)
Recovered Material	Biobased products that do not use USDA designated items	52.223-2 (Sept 2013)
Recovered Material	EPA Designated items except off the shelf	52.223-4 (May 2008)
Recovered Material	Items less than \$150K EPA Designated items except off the shelf	52.223-9 (May 2008)
Recovered Material	Items greater than \$150K EPA-designated items Service and Construction	52.223-17 (Aug 2018)