

**Administering Agency:** Nevada County Office of Emergency Services

**Contract No.** \_\_\_\_\_

**Contract Description:** **Pyroanalysis LLC Evacuation Study Consulting Services**

**PROFESSIONAL SERVICES CONTRACT**

**THIS PROFESSIONAL SERVICES CONTRACT** ("Contract") is made at Nevada City, California, as of May 23, 2023 by and between the County of Nevada, ("County"), and Pyroanalysis LLC ("Contractor") (together, "Parties", individual "Party"), who agree as follows:

1. **Services** Subject to the terms and conditions set forth in this Contract, Contractor shall provide the services described in Exhibit A. Contractor shall provide said services at the time, place, and in the manner specified in Exhibit A.
2. **Payment** County shall pay Contractor for services rendered pursuant to this Contract at the time and in the amount set forth in Exhibit B. The payments specified in Exhibit B shall be the only payment made to Contractor for services rendered pursuant to this Contract. Contractor shall submit all billings for said services to County in the manner specified in Exhibit B; or, if no manner be specified in Exhibit B, then according to the usual and customary procedures which Contractor uses for billing clients similar to County. **The amount of the contract shall not exceed one hundred and thirty-five thousand four hundred and twenty-two dollars (\$135,422.00).**
3. **Term** This Contract shall commence on May 23, 2023. All services required to be provided by this Contract shall be completed and ready for acceptance no later than the **Contract Termination Date** of: February 1, 2024.
4. **Facilities, Equipment and Other Materials** Contractor shall, at its sole cost and expense, furnish all facilities, equipment, and other materials which may be required for furnishing services pursuant to this Contract.
5. **Exhibits** All exhibits referred to herein and attached hereto are incorporated herein by this reference.
6. **Electronic Signatures** The Parties acknowledge and agree that this Contract may be executed by electronic signature, which shall be considered as an original signature for all purposes and shall have the same force and effect as an original signature. Without limitation, "electronic signature" shall include faxed or emailed versions of an original signature or electronically scanned and transmitted versions (e.g., via pdf) of an original signature.
7. **Time for Performance** Time is of the essence. Failure of Contractor to perform any services within the time limits set forth in Exhibit A, or elsewhere in this Contract, shall constitute material breach of this contract. Contractor shall devote such time to the performance of services pursuant to this Contract as may be reasonably necessary for the satisfactory performance of Contractor's obligations pursuant to this Contract. Neither Party shall be considered in default of this Contract to the extent performance is prevented or delayed by any cause, present or future, which is beyond the reasonable control of the Party.

8. **Liquidated Damages**  
Liquidated Damages are presented as an estimate of an intangible loss to the County. It is a provision that allows for the payment of a specified sum should Contractor be in breach of contract. Liquidated Damages shall apply shall not apply to this contract. Liquidated Damages applicable to this contract are incorporated in Exhibit E, attached hereto.

9. **Relationship of Parties**

9.1. **Independent Contractor**

In providing services herein, Contractor, and the agents and employees thereof, shall work in an independent capacity and as an independent contractor and not as agents or employees of County. Contractor acknowledges that it customarily engages independently in the trade, occupation, or business as that involved in the work required herein. Further, the Parties agree that Contractor shall perform the work required herein free from the control and direction of County, and that the nature of the work is outside the usual course of County's business. In performing the work required herein, Contractor shall not be entitled to any employment benefits, Workers' Compensation, or other programs afforded to County employees. Contractor shall hold County harmless and indemnify County against such claim by its agents or employees. County makes no representation as to the effect of this independent contractor relationship on Contractor's previously earned California Public Employees Retirement System ("CalPERS") retirement benefits, if any, and Contractor specifically assumes the responsibility for making such determination. Contractor shall be responsible for all reports and obligations including but not limited to: social security taxes, income tax withholding, unemployment insurance, disability insurance, workers' compensation and other applicable federal and state taxes.

9.2. **No Agent Authority** Contractor shall have no power to incur any debt, obligation, or liability on behalf of County or otherwise to act on behalf of County as an agent. Neither County nor any of its agents shall have control over the conduct of Contractor or any of Contractor's employees, except as set forth in this Contract. Contractor shall not represent that it is, or that any of its agents or employees are, in any manner employees of County.

9.3. **Indemnification of CalPERS Determination** In the event that Contractor or any employee, agent, or subcontractor of Contractor providing service under this Contract is determined by a court of competent jurisdiction or CalPERS to be eligible for enrollment in CalPERS as an employee of County, Contractor shall indemnify, defend, and hold harmless County for all payments on behalf of Contractor or its employees, agents, or subcontractors, as well as for the payment of any penalties and interest on such contributions, which would otherwise be the responsibility of County.

10. **Assignment and Subcontracting** Except as specifically provided herein, the rights, responsibilities, duties and services to be performed under this Contract are personal to Contractor and may not be transferred, subcontracted, or assigned without the prior written consent of County. Contractor shall not substitute or replace any personnel for those specifically named herein or in its proposal without the prior written consent of County.

Contractor shall cause and require each transferee, subcontractor, and assignee to comply with the insurance provisions set forth herein, to the extent such insurance provisions are required of Contractor under this Contract. Failure of Contractor to so cause and require such compliance by each transferee, subcontractor, and assignee shall constitute a material breach of this Contract, and, in addition to any other remedy available at law or otherwise, shall serve as a basis upon which County may elect to suspend payments hereunder, or terminate this Contract, or both.

11. **Licenses, Permits, Etc.** Contractor represents and warrants to County that Contractor shall, at its sole cost and expense, obtain or keep in effect at all times during the term of this Contract, any licenses, permits, and approvals which are legally required for Contractor to practice its profession at the time the services are performed.
12. **Hold Harmless and Indemnification Contract** To the fullest extent permitted by law, each Party (the "Indemnifying Party") hereby agrees to protect, defend, indemnify, and hold the other Party (the "Indemnified Party"), its officers, agents, employees, and volunteers, free and harmless from any and all losses, claims, liens, demands, and causes of action of every kind and character resulting from the Indemnifying Party's negligent act, willful misconduct, or error or omission, including, but not limited to, the amounts of judgments, penalties, interest, court costs, legal fees, and all other expenses incurred by the Indemnified Party arising in favor of any party, including claims, liens, debts, personal injuries, death, or damages to property (including employees or property of the Indemnified Party) and without limitation, all other claims or demands of every character occurring or in any way incident to, in connection with or arising directly or indirectly out of, the Contract. The Indemnifying Party agrees to investigate, handle, respond to, provide defense for, and defend any such claims, demand, or suit at the sole expense of the Indemnifying Party, using legal counsel approved in writing by Indemnified Party. Indemnifying Party also agrees to bear all other costs and expenses related thereto, even if the claim or claims alleged are groundless, false, or fraudulent. This provision is not intended to create any cause of action in favor of any third party against either Party or to enlarge in any way either Party's liability but is intended solely to provide for indemnification of the Indemnified Party from liability for damages, or injuries to third persons or property, arising from or in connection with Indemnifying Party's performance pursuant to this Contract. This obligation is independent of, and shall not in any way be limited by, the minimum insurance obligations contained in this Contract.
13. **Standard of Performance** Contractor shall perform all services required pursuant to this Contract in the manner and according to the standards observed by a competent practitioner of the profession in which Contractor is engaged in the geographical area in which Contractor practices its profession. All products of whatsoever nature which Contractor delivers to County pursuant to this Contract shall be prepared in a substantial first class and workmanlike manner and conform to the standards or quality normally observed by a person practicing in Contractor's profession.
14. **Contractor without additional compensation** Contractor's personnel, when on County's premises and when accessing County network remotely, shall comply with County's regulations regarding security, remote access, safety and professional conduct, including but not limited to Nevada County Security Policy NCSP-102 Nevada County External User Policy and Account Application regarding data and access security. Contractor personnel will solely utilize County's privileged access management platform for all remote access support functions, unless other methods are granted in writing by County's Chief Information Officer or his/her designee.
15. **Prevailing Wage and Apprentices** To the extent made applicable by law, performance of this Contract shall be in conformity with the provisions of California Labor Code, Division 2, Part 7, Chapter 1, commencing with section 1720 relating to prevailing wages which must be paid to workers employed on a public work as defined in Labor Code section 1720, et seq., and shall be in conformity with Title 8 of the California Code of Regulations section 200 et seq., relating to apprenticeship. Where applicable:
  - Contractor shall comply with the provisions thereof at the commencement of services to be provided herein, and thereafter during the term of this Contract. A breach of the requirements of this section shall be deemed a material breach of this contract. Applicable

prevailing wage determinations are available on the California Department of Industrial Relations website at <http://www.dir.ca.gov/OPRL/PWD>.

- Contractor and all subcontractors must comply with the requirements of Labor Code section 1771.1(a) pertaining to registration of contractors pursuant to section 1725.5. Registration and all related requirements of those sections must be maintained throughout the performance of the Contract.
- Contracts to which prevailing wage requirements apply are subject to compliance monitoring and enforcement by the Department of Industrial Relations. Contractor and each subcontractor must furnish certified payroll records to the Labor Commissioner at least monthly.
- County is required to provide notice to the Department of Industrial Relations of any public work contract subject to prevailing wages within five (5) days of award.

16. **Accessibility** It is the policy of County that all County services, programs, meetings, activities and facilities shall be accessible to all persons, and shall comply with the provisions of the Americans With Disabilities Act and Title 24, California Code of Regulations. To the extent this Contract shall call for Contractor to provide County contracted services directly to the public, Contractor shall certify that said direct services are and shall be accessible to all persons.
17. **Nondiscriminatory Employment** Contractor shall not discriminate in its employment practices because of race, religious creed, color, national origin, ancestry, physical handicap, medical condition, marital status, sex or sexual orientation, or any other legally protected category, in contravention of the California Fair Employment and Housing Act, Government Code section 12900 et seq.
18. **Drug-Free Workplace** Senate Bill 1120, (Chapter 1170, Statutes of 1990), requires recipients of State grants to maintain a "drug-free workplace". Every person or organization awarded a contract for the procurement of any property or services shall certify as required under Government Code Section 8355-8357 that it will provide a drug-free workplace.
19. **Political Activities** Contractor shall in no instance expend funds or use resources derived from this Contract on any political activities.
20. **Financial, Statistical and Contract-Related Records:**
- 20.1. **Books and Records** Contractor shall maintain statistical records and submit reports as required by County. Contractor shall also maintain accounting and administrative books and records, program procedures and documentation relating to licensure and accreditation as they pertain to this Contract. All such financial, statistical and contract-related records shall be retained for five (5) years or until program review findings and/or audit findings are resolved, whichever is later. Such records shall include but not be limited to bids and all supporting documents, original entry books, canceled checks, receipts, invoices, payroll records, including subsistence, travel and field expenses, together with a general ledger itemizing all debits and credits.
- 20.2. **Inspection** Upon reasonable advance notice and during normal business hours or at such other times as may be agreed upon, Contractor shall make all of its books and records, including general business records, available for inspection, examination or copying, to County, or to the State Department of Health Care Services, the Federal Department of Health and Human Services, the Controller General of the United States and to all other authorized federal and state agencies, or their duly authorized representatives.

20.3. **Audit** Contractor shall permit the aforesaid agencies or their duly authorized representatives to audit all books, accounts or records relating to this Contract, and all books, accounts or records of any business entities controlled by Contractor who participated in this Contract in any way. All such records shall be available for inspection by auditors designated by County or State, at reasonable times during normal business hours. Any audit may be conducted on Contractor's premises or, at County's option, Contractor shall provide all books and records within fifteen (15) days upon delivery of written notice from County. Contractor shall promptly refund any moneys erroneously charged and shall be liable for the costs of audit if the audit establishes an over-charge of five percent (5%) or more of the correct amount owed during the audit period.

21. **Termination**

- A. A material breach, as defined pursuant to the terms of this Contract or otherwise, in addition to any other remedy available at law or otherwise, shall serve as a basis upon which County may elect to immediately suspend payments hereunder, or terminate this Contract, or both, without notice.
- B. If Contractor fails to timely provide in any manner the services materials and products required under this Contract, or otherwise fails to promptly comply with the terms of this Contract, or violates any ordinance, regulation or other law which applies to its performance herein, County may terminate this Contract by giving **five (5) calendar days written notice to Contractor**.
- C. Either Party may terminate this Contract for any reason, or without cause, by giving **thirty (30) calendar days written notice** to the other, which notice shall be sent by registered mail in conformity with the notice provisions, below. In the event of termination not the fault of Contractor, Contractor shall be paid for services performed to the date of termination in accordance with the terms of this Contract. Contractor shall be excused for failure to perform services herein if such performance is prevented by acts of God, strikes, labor disputes or other forces over which Contractor has no control.
- D. County, upon giving **thirty (30) calendar days written notice** to Contractor, shall have the right to terminate its obligations under this Contract at the end of any fiscal year if County or the State of California, as the case may be, does not appropriate funds sufficient to discharge County's obligations coming due under this contract.

In the event this Contract is terminated:

- 1) Contractor shall deliver copies of all writings prepared by it pursuant to this Contract. The term "writings" shall be construed to mean and include: handwriting, typewriting, printing, photostating, photographing, and every other means of recording upon any tangible thing any form of communication or representation, including letters, words, pictures, sounds, or symbols, or combinations thereof.
- 2) County shall have full ownership and control of all such writings delivered by Contractor pursuant to this Contract.
- 3) County shall pay Contractor the reasonable value of services rendered by Contractor to the date of termination pursuant to this Contract not to exceed the amount documented by Contractor and approved by County as work accomplished to date; provided, however, that in no event shall any payment hereunder exceed the amount of the Contract specified in Exhibit B, and further provided, however, County shall not in any manner be liable for lost profits which might have been made by Contractor had Contractor completed the services required by this Contract. In this regard, Contractor shall furnish to County such financial information as in the judgment of County is necessary to determine the reasonable value of the services rendered by Contractor. The foregoing is cumulative and does not affect any right or remedy, which County may have in law or equity.

22. **Intellectual Property** Contractor will not publish or transfer any materials produced or resulting from activities supported by this Contract without the express written consent of County. All reports, original drawings, graphics, plans, studies and other data and documents, in whatever form or format, assembled or prepared by Contractor or Contractor's subcontractors, consultants, and other agents in connection with this Contract are "works made for hire" (as defined in the Copyright Act, 17 U.S.C. Section 101 et seq., as amended) for County, and Contractor unconditionally and irrevocably transfers and assigns to County all right, title, and interest, including all copyrights and other intellectual property rights, in or to the 'works made for hire." Unless required by law, Contractor shall not publish, transfer, discuss, or disclose any of the above-described works made for hire or any information gathered, discovered, or generated in any way through this Contract, without County's prior express written consent. To the extent County provides any of its own original photographs, diagrams, plans, documents, information, reports, computer code and all recordable media together with all copyright interests thereto, to Contractor during this Contract, such information shall remain the property of County, and upon fifteen (15) days demand therefor, shall be promptly delivered to County without exception.
23. **Waiver** One or more waivers by one Party of any major or minor breach or default of any provision, term, condition, or covenant of this Contract shall not operate as a waiver of any subsequent breach or default by the other Party.
24. **Conflict of Interest** Contractor certifies that no official or employee of County, nor any business entity in which an official of County has an interest, has been employed or retained to solicit or aid in the procuring of this Contract. In addition, Contractor agrees that no such person will be employed in the performance of this Contract unless first agreed to in writing by County. This includes prior Nevada County employment in accordance with County's Personnel Code.
25. **Entirety of Contract** This Contract contains the entire Contract of County and Contractor with respect to the subject matter hereof, and no other contract, statement, or promise made by any Party, or to any employee, officer or agent of any Party, which is not contained in this Contract, shall be binding or valid.
26. **Alteration** No waiver, alteration, modification, or termination of this Contract shall be valid unless made in writing and signed by all Parties, except as expressly provided in Section 20, Termination.
27. **Governing Law and Venue** This Contract is executed and intended to be performed in the State of California, and the laws of that State shall govern its interpretation and effect. The venue for any legal proceedings regarding this Contract shall be the County of Nevada, State of California. Each Party waives any federal court removal and/or original jurisdiction rights it may have.
28. **Compliance with Applicable Laws** Contractor and any subcontractors shall comply with any and all federal, state and local laws, codes, ordinances, rules and regulations which relate to, concern or affect the services or type of services to be provided by this Contract.
29. **Additional Contractor Responsibilities**
- A. To the extent Contractor is a mandated reporter of suspected child and/or dependent adult abuse and neglect, it shall ensure that its employees, agents, volunteers, subcontractors, and independent contractors are made aware of, understand, and comply with all reporting requirements. Contractor shall immediately notify County of any incident or condition resulting in injury, harm, or risk of harm to any child or dependent adult served under this Contract.

- B. Contractor will immediately notify County of any active complaints, lawsuits, licensing or regulatory investigations, reports of fraud or malfeasance, or criminal investigations regarding its operations. Contractor agrees to work cooperatively with County in response to any investigation commenced by County with regard to this Contract or the clients served herein, including providing any/all records requested by County related thereto.
- C. Contractor shall employ reasonable background check procedures on all employees, prospective employees, volunteers and consultants performing work involving direct contact with minor children or dependent adults under this Contract, including fingerprinting and criminal records checks, sexual offender registry checks, and reference checks, including both personal and professional references.

30. **Confidentiality** Contractor, its employees, agents and or subcontractors may come in contact with documents that contain information regarding matters that must be kept confidential by County, including personally identifiable patient or client information. Even information that might not be considered confidential for the usual reasons of protecting non-public records should be considered by Contractor to be confidential.

Contractor agrees to maintain confidentiality of information and records as required by applicable federal, state, and local laws, regulations and rules and recognized standards of professional practice.

Notwithstanding any other provision of this Contract, Contractor agrees to protect the confidentiality of any confidential information with which Contractor may come into contact in the process of performing its contracted services. This information includes but is not limited to all written, oral, visual and printed patient or client information, including but not limited to: names, addresses, social security numbers, date of birth, driver’s license number, case numbers, services provided, social and economic conditions or circumstances, agency evaluation of personal information, and medical data.

Contractor shall not retain, copy, use, or disclose this information in any manner for any purpose that is not specifically permitted by this Contract. Violation of the confidentiality of patient or client information may, at the option of County, be considered a material breach of this Contract.

31. **Notification** Any notice or demand desired or required to be given hereunder shall be in writing and deemed given when personally delivered or deposited in the mail, postage prepaid, and addressed to the Parties as follows:

32.

**COUNTY OF NEVADA:**

Nevada County  
 Office of Emergency Services Department  
 Address: 950 Maidu Avenue Suite 130  
  
 City, St, Zip Nevada City, CA 95959  
 Attn: Alex Keeble-Toll  
 Email: alex.keeble-toll@nevadacountyca.gov  
 Phone: 530-470-2521

**CONTRACTOR:**

Name of firm  
 Pyroanalysis LLC  
 Address 1095 Hilltop Drive, Suite 200  
  
 City, St, Zip Redding, CA 96003  
 Attn: Shane Lauderdale  
 Email: Shane@pyroanalysis.com  
 Phone: 530-520-7297

Any notice so delivered personally shall be deemed to be received on the date of delivery, and any notice mailed shall be deemed to be received five (5) days after the date on which it was mailed.

**Authority:** All individuals executing this Contract on behalf of Contractor represent and warrant that they are authorized to execute and deliver this Contract on behalf of Contractor.

**IN WITNESS WHEREOF,** the Parties have executed this Contract to begin on the Effective Date.

**COUNTY OF NEVADA:**

By: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name/Title: Craig Griesbach, Director, Office of Emergency Services

**CONTRACTOR: Pyroanalysis LLC**

By: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_

\* Title: \_\_\_\_\_

**Exhibits**

- A. [Schedule of Services](#)
  - B. [Schedule of Charges and Payments](#)
  - C. [Insurance Requirements](#)
- Summary [Page](#)



## EXHIBIT A

### SCHEDULE OF SERVICES

#### FIRE BEHAVIOR AND TRAFFIC ANALYSIS MILESTONES AND DELIVERABLES

Pyroanalysis LLC (<https://pyroanalysis.com/>) will conduct Fire Behavior and Traffic Analysis of up to five of the highest priority areas/scenarios identified through the modeling exercise led by Ladriss. This analysis, which will comprise the *Evacuation Study* itself, will be used to validate the Ladriss analysis through an in-depth review of the report by a licensed Traffic Engineer using applicable engineering standards and methods. Key milestones and deliverables associated with the Fire Behavior and Traffic Analysis (*Evacuation Study*) are listed below. Pyroanalysis LLC will complete the *Evacuation Study* by February 1, 2024.

#### **TASK 1: Kick-Off Meeting**

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A Kick-Off meeting will be held in June 2023 with key participants including the Nevada County Office of Emergency Services (OES), Planning Department, Public Works Department (DPW), and Sheriff's Office (NCSO), the Nevada County Transportation Commission (NCTT), California Department of Forestry and Fire Protection (CAL FIRE), California Highway Patrol (CHP), and California Department of Transportation (Caltrans). This meeting will provide an opportunity for local experts to brief Pyroanalysis staff on known evacuation constraints and priorities in Nevada County. The meeting will be held at the Rood Center located in Nevada City.

#### **TASK 2: Background Research**

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Pyroanalysis LLC will evaluate Kick-Off Meeting outcomes, the Modeling and Prioritization of Evacuation Constraints (provided by Ladriss), and all background data and references provided by project partners or identified by Pyroanalysis.

#### **TASK 3: Scope Refinement**

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Pyroanalysis LLC will lead a check-in meeting with project partners to discuss outcomes of TASK 1 and TASK 2 and to collaboratively refine the scope based on data collected and budget available. Pyroanalysis will provide a scope of work summary for the Evacuation Study following this meeting.

#### **TASK 4: Fire Behavior and Traffic Analysis**

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Pyroanalysis LLC will conduct fire behavior and traffic analysis to validate the Ladriss-led Modeling and Prioritization of Evacuation Constraints. This will be accomplished through an analysis of up to five of the highest priority areas/scenarios identified through the modeling exercise led by Ladriss and will be conducted by a licensed Traffic Engineer and certified Fire Behavior Analyst (FBAN) in alignment with the priorities identified as an outcome of TASK 3.

#### **TASK 5: Maps and Visuals**

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Pyroanalysis LLC will produce and compile maps and visuals as relevant to support the fire behavior and traffic analysis. These will be included as part of the Evacuation Study final deliverable and in addition will be provided as separate files at project conclusion.

#### **TASK 6: Stakeholder Check-In Meetings**

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Pyroanalysis LLC will hold three check-in meetings with stakeholders to update the group on project progress and to ensure that all parties are apprised of the scope and findings as the Evacuation Study progresses. These check-in meetings will be held in person at the Rood Center in Nevada City.

## **TASK 7: Progress Reports**

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Pyroanalysis LLC will provide project lead Nevada County Office of Emergency Services with monthly oral reports on project status. In addition, Pyroanalysis will provide bi-monthly written reports summarizing project progress. A final report and final project deliverables (Evacuation Study; GIS data/files) will be provided on or before February 1, 2024.

### **GENERAL REQUIREMENTS**

Pyroanalysis LLC shall provide staff with the requisite technical expertise to complete the Nevada County Evacuation Study. Pyroanalysis LLC has experience in wildfire behavior and traffic modeling, wildland fire management, fire operations, vegetation management, wildfire behavior analysis, fire weather analysis, environmental compliance, GIS, coordinating and convening diverse stakeholders, and a track record of successful public outreach, engagement, and education.

### **SUMMARY**

Pyroanalysis LLC shall deliver the following services:

1. Provide staff with the requisite technical expertise to develop the Nevada County Evacuation Study in accordance with current best-practices for wildfire behavior and traffic modeling.
2. Conduct literature review of available resources including the County General Plan, the County-led risk assessment (GIS Cluster Analysis), the Nevada County Transportation Commission study “*Ready Nevada County Extreme Climate Event Mobility and Adaptation Plan*,” and Ladriss-led Modeling and Prioritization of Evacuation Constraints and other key resources as identified by Pyroanalysis. Compile resources evaluated into a digital document library to be provided with the Evacuation Study.
3. To the extent possible coordinate with and integrate data and analyses from two plans concurrently being updated by the County of Nevada – the Local Hazard Mitigation Plan and the Community Wildfire Protection Plan.
4. Independently verify the Ladriss-led Modeling and Prioritization of Evacuation Constraints.
5. Produce Nevada County Evacuation Study Draft and Final Report: The report will include the following components:
  - Executive Summary
  - Introduction
  - Approach and Methodology
  - SB-99 Accessibility Assessment
  - Emergency Evacuation Assessment
  - Evacuation Assessment Observations and Behavioral Considerations
  - Capital Improvement Projects to Increase Evacuation Capacity
  - Evacuation Related Hazardous Fuel Modification Projects to Increase Evacuation Capacity
  - Potential Funding Opportunities

## **Deliverables**

1. List of resources consulted and works cited.
2. List of public stakeholders that participated, a summary of how they participated, and the input/value provided.
3. Agendas, Meeting Notes, and List of Attendees for any meetings held.
4. Nevada County Evacuation Study Draft and Final Report.
5. Data, GIS Files, and Back-up Documentation

## **Milestones**

Milestone 1: Project Initiation (Tasks 1-3), inclusive of Project Kick-Off Meeting, Background Research, and Scope Refinement.

Milestone 2: Draft Fire Behavior and Traffic Analysis (Tasks 4-6), inclusive of draft Maps and Visuals and supported by Stakeholder Check-In Meetings as needed.

Milestone 3: Final Fire Behavior and Traffic Analysis (Tasks 4-6), inclusive of final Maps and Visuals and supported by Stakeholder Check-In Meetings as needed.

Milestone 4: Draft Evacuation Study (Tasks 2, 4, 5), inclusive of Background Research findings, Fire Behavior and Traffic Analysis, and Maps and Visuals and supported by Stakeholder Check-In Meetings as needed.

Milestone 5: Final Evacuation Study (Tasks 2, 4, 5), inclusive of Background Research findings, Fire Behavior and Traffic Analysis, and Maps and Visuals and supported by Stakeholder Check-In Meetings as needed.

## **EXHIBIT B**

### **SCHEDULE OF CHARGES AND PAYMENTS**

#### Maximum Limit & Fee Schedule

Contractor's compensation shall be paid at the schedule shown below. Reimbursement of travel, lodging and miscellaneous expenses is authorized with the following stipulations: contractor is limited to the most economic mode of travel. Reimbursement for mileage must be tracked and will be reimbursed at the standard IRS rate. Hotel is allowable with standard US GSA Per Diem Rates applying. Per Diem is allowable with standard US GSA Per Diem Rates applying and the additional stipulation that the rate is limited to 75% on the first and last day of travel. Travel must be approved by County of Nevada three days prior to occurrence to qualify for reimbursement.

All expenses of Contractor, including any expert or professional assistance retained by Contractor to complete the work performed under this Contract shall be borne by Contractor.

The total of all payments made under this Contract shall not exceed the amount shown in Section 2 of this Contract.

#### Invoice Schedule

Invoices shall be submitted to County in a form and with sufficient detail, as described in the "Required Reporting" section below. Contractor may bill the County on a monthly basis but no less than quarterly, by the 15<sup>th</sup> of each month following the end of the quarter. A final invoice shall be submitted no later than 30 days after completion, expiration, or termination of this Agreement.

All invoices shall be accompanied by a progress report. Work performed by Contractor will be subject to final acceptance by County project manager(s).

Payments shall be made based on actual costs incurred.

The level of required reporting shown below is needed to enable the County to meet its Reporting obligations to the Grantor (per the Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards, [2 CFR Part 200](#) et al (commonly referred to as the "OMB Super Circular" or "Uniform Guidance").

#### **Each Invoice shall include the following:**

- The word "invoice" shall appear at the top of the page.
- Contractor Information- Including name and address.
- Date of invoice submission and a unique invoice number.
- The dates or time-period during which the invoiced costs were incurred, expenditures for the current invoice and cumulative expenditures to date by major budget category (e.g., salaries, benefits, supplies, etc.).
- Total hours billed on the invoice by staff member, hourly rate, and corresponding Task or milestone.
- Supporting documentation shall include timecard reports, or corresponding expenses, e.g. venue rental invoice, etc.

- Back up documentation listed in separate section below.

**Required reporting:**

- Each invoice submission shall be accompanied by the corresponding monthly report(s).
- Monthly reports shall correspond to invoiced work. A summary of the work completed by Task and Subtask or Milestone shall be included in each report, including start date, completion date, and status of project. Quantifiable data shall be included where possible.

**Required supporting documentation:**

- For each invoice, attach copies of receipts for all expenses including: Payroll reports showing project, pay period, employee name, title, hourly rate for salary, benefits costs, calculated costs based on hours worked per staff member as identified in the invoice. Copies of the timesheet of staff to match the report.
- Receipts and/or invoices for supplies, venue rentals, etc.

Payment will be withheld if reporting requirements are not met and/or sufficient documents are not submitted with invoices. Payment will resume upon complete submissions.

Submit all invoices to:

Nevada County  
 Office of Emergency Services Department  
 Address: 950 Maidu Avenue Suite 130  
 City, St, Zip Nevada City, CA 95959  
 Attn: Alex Keeble-Toll  
 Email: alex.keeble-toll@nevadacountyca.gov  
 Phone: 530-470-2521

County will make payment within thirty (30) days after the billing is received and approved by County and as outlined in the Scope of Work.

Payment Schedule

Invoices for this project will be based on the following milestones:

<b><u>Milestone 1:</u></b> Project Initiation (Tasks 1-3), inclusive of Project Kick-Off Meeting, Background Research, and Scope Refinement.	\$30,700
<b><u>Milestone 2:</u></b> Draft Fire Behavior and Traffic Analysis (Tasks 4-6), inclusive of draft Maps and Visuals and supported by Stakeholder Check-In Meetings as needed.	\$34,800
<b><u>Milestone 3:</u></b> Final Fire Behavior and Traffic Analysis (Tasks 4-6), inclusive of final Maps and Visuals and supported by Stakeholder Check-In Meetings as needed.	\$20,000
<b><u>Milestone 4:</u></b> Draft Evacuation Study (Tasks 2, 4, 5), inclusive of Background Research findings, Fire Behavior and Traffic Analysis, and Maps and Visuals and supported by Stakeholder Check-In Meetings as needed.	\$25,400
<b><u>Milestone 5:</u></b> Final Evacuation Study (Tasks 2, 4, 5), inclusive of Background Research findings, Fire Behavior and Traffic Analysis, and Maps and Visuals and supported by Stakeholder Check-In Meetings as needed.	\$24,522

Unless otherwise agreed to by County, all payments owed by County to Contractor under this Contract shall be made by Automated Clearing House ("ACH"). In the event County is unable to release payment by ACH Contractor agrees to accept payment by County warrant.

## EXHIBIT C

### INSURANCE REQUIREMENTS

**Insurance.** Contractor shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by Contractor, its agents, representatives, or employees. Coverage shall be at least as broad as:

1. **Commercial General Liability CGL:** Insurance Services Office Form CG 00 01 covering CGL on an "occurrence" basis, including products and completed operations, property damage, bodily injury and personal & advertising injury with limits no less than **\$2,000,000** per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location (ISO CG 25 03 or 25 04) or the general aggregate limit shall be twice the required occurrence limit.
2. **Professional Liability:** (Errors and Omissions) Insurance covering environmental assessment error and omission with limit no less than **\$1,000,000** per occurrence or claim, **\$1,000,000** aggregate.
3. **Automobile Liability:** Insurance Services Office Form Number CA 0001 covering, Code 1 (any auto), or if Contractor has no owned autos, Code 8 (hired) and 9 (non-owned), with limit no less than **\$1,000,000** per accident for bodily injury and property damage.
4. **Workers' Compensation:** contractor affirms under penalty of perjury they are independent and without employees. Contractor affirms they carry health insurance policy, healthcare service plan, or disability insurance covering contractor for bodily injury or disease. Contractor further agrees to waive all rights to workers' compensation benefits for any accident for bodily injury or disease. Contractor hereby grants to county a waiver of any right to subrogation which any insurer of said contractor may acquire against the county by virtue of the payment of any loss under such insurance.

If Contractor maintains broader coverage and/or higher limits than the minimums shown above, County requires and shall be entitled to the broader coverage and/or the higher limits maintained by Contractor. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to County.

#### **Other Insurance Provisions:**

The insurance policies are to contain, or be endorsed to contain, the following provisions:

1. **Additional Insured Status: County, its officers, employees, agents, and volunteers are to be covered as additional insureds** on the CGL policy with respect to liability arising out of the work or operations performed by or on behalf of Contractor including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to Contractor's insurance (at least as broad as ISO Form CG 20 10 11 85 or both CG 20 10, CG 20 25, CG 20 33, or CG 20 38; and CG 20 37 forms if later revisions used.)
2. **Primary Coverage** For any claims related to this contract, **Contractor's insurance shall be primary** insurance primary coverage at least as broad as ISO CG 20 01 04 13 as respects County, its officers, employees, agents, and volunteers. Any insurance or self-insurance maintained by County, its officers, employees, agents, and volunteers shall be excess of Contractor's insurance and shall not contribute with it.

3. **Notice of Cancellation** This policy shall not be changed without first giving thirty (30) days prior written notice and ten (10) days prior written notice of cancellation for non-payment of premium to County.
4. **Waiver of Subrogation** Contractor hereby grants to County a waiver of any right to subrogation which any insurer or said Contractor may acquire against County by virtue of the payment of any loss under such insurance. Contractor agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether or not County has received a waiver of subrogation endorsement from the insurer.
5. **Sole Proprietors** If Contractor is a Sole Proprietor and has no employees, they are not required to have Workers Compensation coverage. Contractor shall sign a statement attesting to this condition, and shall agree they have no rights, entitlements or claim against County for any type of employment benefits or workers' compensation or other programs afforded to County employees.
6. **Deductible and Self-Insured Retentions** Deductible and Self-insured retentions must be declared to and approved by County. County may require Contractor to provide proof of ability to pay losses and related investigations, claims administration, and defense expenses within the retention. The policy language shall provide, or be endorsed to provide, that the self-insured retention may be satisfied by either the named insured or County.
7. **Acceptability of Insurers:** Insurance is to be placed with insurers authorized to conduct business in the State with a current A.M. Best's rating of no less than A:VII, unless otherwise acceptable to County.
8. **Claims Made Policies** if any of the required policies provide coverage on a claims-made basis:
  - a. The Retroactive Date must be shown and must be before the date of the contract or the beginning of contract work.
  - b. Insurance must be maintained, and evidence of insurance must be provided for at least five (5) years after completion of the contract of work.
  - c. If the coverage is canceled or non-renewed, and not replaced with another **claims-made policy form with a Retroactive Date**, prior to the contract effective date, Contractor must purchase "extended reporting" coverage for a minimum of **five (5)** years after completion of contract work.
9. **Verification of Coverage** Contractor shall furnish County with original Certificates of Insurance including all required amendatory endorsements (or copies of the applicable policy language effecting coverage required by this clause) and a copy of the Declarations and Endorsement Page of the CGL policy listing all policy endorsements to County before work begins. However, failure to obtain and provide verification of the required documents prior to the work beginning shall not waive Contractor's obligation to provide them. County reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.
10. **Subcontractors** Contractor shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein, and Contractor shall ensure that County is an additional insured on insurance required from subcontractors. For CGL coverage subcontractors shall provide coverage with a format at least as broad as CG 20 38 04 13.
11. **Special Risks or Circumstances** County reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.
12. **Conformity of Coverages** If more than one policy is used to meet the required coverages, such as an umbrella policy or excess policy, such policies shall be following form with all



- other applicable policies used to meet these minimum requirements. For example, all policies shall be Occurrence Liability policies, or all shall be Claims Made Liability policies, if approved by County as noted above. In no cases shall the types of policies be different.
13. **Premium Payments** The insurance companies shall have no recourse against County and funding agencies, its officers, and employees or any of them for payment of any premiums or assessments under any policy issued by a mutual insurance company.
  14. **Material Breach** Failure of Contractor to maintain the insurance required by this Contract, or to comply with any of the requirements of this section, shall constitute a material breach of the entire Contract.
  15. **Certificate Holder** the Certificate Holder on insurance certificates and related documents should read as follows:  
County of Nevada  
950 Maidu Ave.  
Nevada City, CA 95959

Upon initial award of the Contract to your firm, you may be instructed to send the actual documents to a County contact person for preliminary compliance review.

Certificates which amend or alter the coverage during the term of the Contract, including updated certificates due to policy renewal, should be sent directly to Contract Administrator



**SUMMARY OF CONTRACT**

**Contractor Name Pyroanalysis LLC**

**Description of Services: Pyroanalysis LLC Evacuation Study Consulting Services**

**SUMMARY OF MATERIAL TERMS**

<b>Max Annual Price:</b>	\$135,422	<b>Max Multi-Year Price:</b>	\$135,422
<b>Contract Start Date:</b>	5/23/2023	<b>Contract End Date:</b>	2/1/2024
<b>Liquidated Damages:</b>	Not Applicable		

**INSURANCE POLICIES**

**FUNDING:**

Commercial General Liability (\$2,000,000)	Click or tap here to enter text.
Professional Liability (\$1,000,000)	
Automobile Liability (\$1,000,000)	Click or tap here to enter text.
Worker's Compensation (Statutory Limits)	

**NOTICE & IDENTIFICATION**

**COUNTY OF NEVADA:**

Nevada County  
Office of Emergency Services Department

Address: 950 Maidu Avenue Suite 130  
City, St, Zip Nevada City, CA 95959  
Attn: Alex Keeble-Toll  
Email: alex.keeble-toll@nevadacountyca.gov  
Phone: 530-470-2521

**CONTRACTOR:**

Pyroanalysis LLC

Address 1095 Hilltop Drive, Suite 200  
City, St, Zip Redding, CA 96003  
Attn: Shane Lauderdale  
Email: Shane@pyroanalysis.com  
Phone: 530-520-7297

**Contractor is a:** (check all that apply)

- Corporation:  Calif.,  Other,  LLC,
- Non-Profit  Corp
- Partnership:  Calif.,  Other,  LLP,  Limited
- Person:  Indiv.,  Dba,  Ass'n  Other

**EDD Worksheet Required**

- Yes  No

**ATTACHMENTS**

- Exhibit A:** Schedule of Services
- Exhibit B:** Schedule of Charges and Payments
- Exhibit C:** Insurance Requirements