



Leading with Science®

**Proposal for Event No.: 20230045
Debris Monitoring Services
City of Port St. Lucie, Florida**

Title Page

| | |
|--------------------|--|
| Proposal's Subject | City of St. Port Lucie |
| Title | Debris Monitoring Services |
| Proposal Number | 20230045 |
| Firm's Name | Tetra Tech, Inc. |
| Address | 2301 Lucien Way, Suite 120, Maitland, FL 32751 |
| Telephone Number | 321-441-8500 |
| Date of Proposal | June 7, 2024 |

Cover Letter

City of Port St. Lucie
Submitted Electronical

June 7, 2024

Subject: Debris Monitoring Services

Dear Members of the Evaluation Committee,

Tetra Tech, Inc. (Tetra Tech) submits the enclosed proposal in response to the City of Port St. Lucie's (City) request for proposals for Debris Monitoring Services. Our proposal describes our technical expertise in disaster debris management and our approach to delivering unmatched services to the City:

- **National Leadership in Debris Monitoring.** Our team has successfully assisted **over 300 local and state government clients** with planning for and recovering from disasters. With extensive experience successfully managing multiple disaster response and recovery operations across the U.S. simultaneously, we have overseen and managed the removal of **over 179 million cubic yards (CYs) of debris**, resulting in excess of **\$50 billion in reimbursable costs** to our clients. We have served as the ground-zero debris monitoring consultant for hundreds of clients affected by our nation's most catastrophic natural disasters, including Hurricanes Laura, Sally, Michael, Irma, Matthew, Florence, and Harvey; over a dozen wildfires; and numerous severe storm, tornado, and flooding events.
- **Deeply Experienced Project Management Team.** The team of disaster debris experts who were specifically selected for this engagement were chosen based on their experience, programmatic expertise, and availability to respond to City's needs. Leading the Tetra Tech Disaster Recovery division is **Mr. Jonathan Burgiel, a 35-year veteran of the industry who is a leading expert in disaster debris monitoring and Federal Emergency Management Agency (FEMA) reimbursement.** Additionally proposed project manager Frank Guthman is an expert in large-scale mobilizations, project staffing, and debris monitoring operations, and has extensive experience in disaster debris project management support under the FEMA Public Assistance (PA) Grant Program.
- **Extensive Experience Throughout the State of Florida.** Since 2004, our team has **monitored the collection and removal of nearly 60 million CY of debris in Florida** and has assisted numerous communities in Florida with response and recovery efforts after Hurricanes Charley, Frances, Jeanne, Ivan, Dennis, Katrina, Wilma, and most recently, Matthew, Irma, Michael, Sally, Ian, Nicole, and Idalia, as well as the severe storms that swept through Leon County in May 2024.. In addition, our team has assisted communities after a variety of other disasters, including tropical storms, tornadoes, fires, and floods. Tetra Tech is proud of our experience in Florida and is committed to successfully managing all phases of debris monitoring for our clients after a debris-generating event. **We have over 1,100 staff across 22 offices throughout Florida, including our Response and Recovery Division headquarters in Maitland.** Tetra Tech is available to City before, during, and after a disaster.
- **Proprietary, Best-in-Class Automated Debris Management System (ADMS) Technology.** Via *RecoveryTrac™* ADMS, our staff can monitor and manage a recovery effort electronically, increasing productivity while decreasing fraud, human error, and cost to City. *RecoveryTrac™* ADMS enables real-time collection data and furnishes accurate and timely reporting to the City stakeholders. ***RecoveryTrac™* ADMS has been validated by the United States Army Corps of Engineers (USACE) twice (in 2015 and 2023) and is the ADMS preferred by USACE debris contractors.**
- **Cost-effective Solution for Recovering Communities.** Our team of disaster recovery experts remains on the forefront of the debris monitoring industry, and we are committed to providing the latest technological advancements, which increase efficiency and result in significant cost savings to our clients. **Tetra Tech provides**

the best value by arming recovering communities with unmatched expertise and reasonably priced hourly rates thanks to advancements in our proprietary ADMS technological capabilities.

For questions regarding this response, please contact the representatives listed below. As an authorized representative of the firm, I am authorized and empowered to sign this proposal and bind the firm in contractual commitments.

Technical Representative: *Mr. Chuck McLendon*
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Phone: 321-441-8511 | Fax: 321-441-8501
Chuck.mclendon@tetrattech.com

Contractual Representative: *Ms. Betty Kamara*
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Phone: 321-441-8511 | Fax: 321-441-8501
TDR.contracts@tetrattech.com

Sincerely,

Tetra Tech, Inc.



Jonathan Burgiel
Business Unit President – Tetra Tech Disaster Recovery

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Tab 1 – Firms Experience & Event History

A. Recent Debris-related Events Worked

Provided below is list of recent projects Tetra Tech has worked on.

| Storm Event | Client | Program(s) | Staff | Title | Company Role |
|---------------------------------|-------------------------|-------------------------------|----------------|------------------------|-------------------------|
| 2024 Tornado / Severe Storms | City of Tallahassee, FL | Right of Way, Hazardous Trees | Katie Taylor | Program Manager | Prime Debris Monitoring |
| 2024 Tornado/Severe Storms | Leon County, FL | Right of Way, Hazardous Trees | Matt Mooneyham | Program Manager | Prime Debris Monitoring |
| 2024 Derecho | Harris County, TX | Right of Way, Hazardous Trees | Nick Dragon | Senior Project Manager | Prime Debris Monitoring |
| 2024 Tornado | Louisville, KY | Right of Way | John Tilly | Project Manager | Prime Debris Monitoring |
| 2023 Wildfire (Maui) | USACE | PPDR | Will Barton | Program Manager | Prime Debris Monitoring |
| 2023 Severe Storms and Tornados | Tulsa, OK | Right of Way, Hazardous Trees | Phil Ivey | Senior Project Manager | Prime Debris Monitoring |

FEMA Project Worksheet Summary Report

Expertise in Disaster Recovery Management

Tetra Tech is a national leader in the field of pre- and post-disaster recovery management. Our contracts with federal agencies and state and local governments are in diverse areas such as disaster recovery consulting and technical assistance; staff augmentation; community resilience; grant management; and emergency management planning and preparedness. We have worked closely with these agencies, recipients, and subrecipients on billions of dollars' worth of projects to determine project eligibility and to provide technical assistance, detailed damage inspection reports, cost estimates, validation and testing, audit documentation, and process reimbursements. Our team also maintains strong relationships with many of the lead federal officers, state agency leadership, local governments, and other staff.

Our team brings together a unique combination of expertise from some of the largest and most complex disasters in U.S. history. Our extensive experience includes leading organizations, shaping policy, and successfully working with diverse stakeholders up to and including top elected leaders. Tetra Tech's senior executives have led responses to some of the most notable incidents and disasters in our nation's history. This real-world experience provides our team with valuable insight and ensures in-depth knowledge of best practices and the ability to provide clients with achievable, customized plans.

Tetra Tech has been activated for over 90 disasters, including:



Tetra Tech is invested in the recovery progress in Florida, has conducted the due diligence to analyze the breadth and scope of the challenges the City currently faces, and is prepared to execute scientifically based solutions with a cadre of established national lead planners, subject matter experts, All-Hazards practitioners, and FEMA stalwarts. All resources to support a successful pathway toward resilience in Florida are available with Tetra Tech.

Tetra Tech works with state and local governments to navigate federal grant-funded disaster recovery programs, as well as COVID-19 recovery programs, and are committed to advocating for and providing the best service to our clients. We have supported our clients through the disaster recovery process from response and damage identification through cost reimbursement of more than \$50 billion in federal funds, including FEMA, FHWA, and other federally-funded grant programs. Since the start of the COVID-19 pandemic, we have assisted our clients with managing more than \$1.7 billion in COVID-related funds to support recovery across a variety of federal funding programs including FEMA Public Assistance (PA), U.S. Treasury governed Emergency Rental Assistance, as well as unique Coronavirus Relief Fund recipient-specific programs.

| | | | |
|---|--|--|--|
| 25 YEARS POST-DISASTER RESPONSE EXPERIENCE | \$50B | POST-DISASTER GRANTS | |
| | | 650+ FEDERAL GRANT- FUNDED PROJECTS | |
| 95+ MAJOR DISASTERS IN 23 STATES & 2 US TERRITORIES | 10,000+ PROJECT WORKSHEETS (PWs) | WORKS ON 100,000 PROJECTS ANNUALLY | |
| \$5B ANNUAL REVENUE | 99.8% FUNDS RETAINED | | |
| 20,000 CLIENTS | 28,000 ASSOCIATES | 300+ STATE/LOCAL CLIENTS | |
| | 550 OFFICES WORLDWIDE | 95% REPEAT CLIENTS/ CONTRACTS | |

25+ Years of Disaster Grant Program Management Experience

Our team offers experienced disaster management professionals who are adept at helping organizations recover quickly by applying proven methodologies in disaster management. Along with disaster management, we have expertise in insurance claims as well as how Public Assistance (PA), Hazard Mitigation Grant Program (HMGP), insurance, and HUD grants interplay with one another. Our top priority is to facilitate the process, orchestrating a rapid and effective recovery.

With more than 10,000 PWs under our belt, Tetra Tech Disaster Recovery is a national leader in the field of disaster management. Our activations have yielded grant program management engagements resulting in **clients garnering and retaining 99.8 percent of the funds received.**

Tetra Tech offers comprehensive services...

- ✓ Construction Management
- ✓ Hazard Mitigation Planning
- ✓ Floodplain Management
- ✓ Coastal Planning and Design
- ✓ National Flood Insurance Program (NFIP) Compliance Issue Resolution/Training
- ✓ Preliminary Damage Requests
- ✓ Develop Requests for Public Assistance
- ✓ Applicant Briefings and Kickoff Meetings
- ✓ Site Visits/Inspections
- ✓ Project Cost Estimation & Documentation
- ✓ Architecture and Civil Engineering
- ✓ Geotechnical Engineering
- ✓ Structural Engineering
- ✓ Mechanical/Electrical/Plumbing
- ✓ Water/Wastewater Design/Build
- ✓ PW/Application Development
- ✓ Alternate/Improved/Pilot Projects
- ✓ Project Cost Reconciliation
- ✓ Funding Disbursement
- ✓ Grant Closeout
- ✓ U.S. Treasury Emergency Rental Assistance (ERA)
- ✓ Coronavirus Relief Fund (CRF)
- ✓ Coronavirus Aid, Relief, and Economic Security (CARES) Act
- ✓ American Rescue Plan Act (ARPA)
- ✓ HUD CDBG-CV
- ✓ HUD CDBG-DR/MIT
- ✓ FEMA PA Program (including Section 406 mitigation and Section 428 alternative procedures)
- ✓ FEMA Hazard Mitigation Grant Program (HMGP) (Section 404 mitigation)
- ✓ FEMA Building Resilient Infrastructure and Communities (BRIC)
- ✓ FEMA Flood Mitigation Assistance Program (FMA)
- ✓ FHWA-ER Program
- ✓ FHWA Transportation Investment Generating Economic Recovery Grant
- ✓ Natural Resources Conservation Service (NRCS) Emergency Watershed Protection

...across a multitude of federal grants.

Focus On

FEMA Programs

\$40 billion+ Managed

Experience Summary

Our team holds comprehensive qualifications in working both for and with State/Recipient agencies and FEMA. Tetra Tech maintains six current contracts directly supporting FEMA, in addition to our routine work with FEMA Recipients and Subrecipients as part of state and local projects seeking reimbursement.

Our experience supporting clients with FEMA programs includes:

- FEMA PA Program
- Section 406 mitigation and Section 428 alternative procedures program
- FEMA Hazard Mitigation Grant Program (HMGP)
- Section 404 mitigation
- FEMA Individual Assistance (IA) Program
- FEMA Flood Mitigation Assistance Program (FMA)
- FEMA Building Resilient Infrastructure and Communities (BRIC)

Recent Sample Projects

| Year | Client | Program | Preliminary Damage Request | Develop Request for Public Assistance | Applicant Briefing | Applicant Kickoff Meeting | Site Visits/Inspections | Project Scoping | Project Cost Estimation & Documentation | PW/Application Development | Alternate/Improved/Pilot Program Projects | Project Cost Reconciliation |
|------|-------------------------------|---------|----------------------------|---------------------------------------|--------------------|---------------------------|-------------------------|-----------------|---|----------------------------|---|-----------------------------|
| 2023 | Pensacola, FL | PA | | | | | ■ | ■ | | ■ | | ■ |
| 2023 | Collier County, FL | PA | | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 2022 | Fort Myers, FL | PA | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 2022 | South Daytona, FL | PA | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 2022 | Philadelphia, PA | PA | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | ■ |
| 2020 | Hamilton County, TN | PA | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 2020 | Commonwealth of Massachusetts | PA | | ■ | ■ | | ■ | ■ | ■ | | ■ | ■ |
| 2020 | Harris County, TX | PA | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 2020 | Houston, TX | PA | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 2020 | LA GOHSEP SAL | PA | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | |
| 2020 | State of Connecticut | PA | | ■ | ■ | | ■ | ■ | ■ | ■ | | ■ |
| 2020 | Dunedin, FL | PA | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | ■ |
| 2019 | State of Missouri | PA | | | | | | | ■ | | | ■ |
| 2019 | Commonwealth of Puerto Rico | PA | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 2018 | Callaway, FL | PA | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 2018 | Lynn Haven, FL | PA | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 2018 | Dougherty County, GA | PA | ■ | ■ | | | | | | | | |
| 2018 | Albany, GA | PA | ■ | ■ | | | | | | | | |

FEMA Focus Areas



Tailored Procedures

Our procedures are tailored to facilitate FEMA review and generation of Project Worksheet versions. Tetra Tech incorporates changes and/or updates to the PAPPG, IAPPG, FEMA IHP Unified Guidance, and Hazard Mitigation Assistance Guidance into our procedures.



Understanding of FEMA Regulations

Our management team and field staff fully understand rules and regulations across FEMA programs. This allows us to monitor contracts in detail while managing and documenting the operation using proven methodologies to allow the maximum reimbursement.



Relationships Regional Reps

Our team maintains strong relationships with many of the lead federal coordinating officers, PA/IA officers, and other staff. Regular interface and communication with FEMA at the headquarters, regional, and local levels allow our team to obtain quick responses on guidance and issues.



Audits and Appeals

Our grant management experts have assisted clients with applying for and retaining grant funds, even after closeout and audit processes. Our FEMA appeals and funding specialists have worked with FEMA closeout officers to obtain millions of previously deobligated dollars.

Detailed Disaster Incident Reports (DDIRs) written for FDOT

The federal policy change that occurred several years ago where Category A debris removal on FHWA-ER eligible roadways is now reimbursed through the FEMA PA instead of the FHWA-ER program basically eliminated the need to write debris removal related DDIRs. Following this change, Tetra Tech has not routinely engaged directly with FHWA or FDOT on debris removal reimbursement projects, however our team of trained professionals has significant experience FHWA-ER related reimbursement and is prepared to assist the City in:

- Preparing FHWA/FTA grant applications and amendments, as needed
- Assisting with FHWA and FTA project management and administration activities
- Responding to documentation requirements required as part of FHWA and FTA grants
- Reconciling project/scopes as changes occur through the course of the projects' planning and implementation
- Providing guidance in the use of the FHWA and FTA grant systems, their management requirements, and insurance allocations

Tetra Tech is ready to assist the City in addressing these FHWA and FTA documentation and grant management requirements. Tetra Tech has extensive experience integrating multiple funding sources and grant programs in order to maximize recovery. Examples include integrating the FHWA-ER Manual and FEMA PA Guides with other grants such as CDBG-DR and FTA-ER. Our team is prepared to succeed in this effort for the City as well.

In addition to normal documentation requirements associated with annually funded FHWA and FTA grant projects, FHWA or FTA may also request more frequent submissions of federal financial reports and milestone progress reports for projects funded as part of FTA's Emergency Relief grant program under MAP-21 or the FHWA-ER program. FHWA and FTA may also institute drawdown limitations or advance notification requirements on drawdowns over a certain amount or other requirements as determined by FHWA/FTA. As such, the FHWA/FTA funded projects managed by the City, although anticipated to be a small part of the overall pool of projects to be addressed as part of this engagement, have specific documentation requirements separate and apart from those associated with the FEMA grant programs, and in certain cases, these documentation requirements may be more frequent than normal FHWA/FTA grants with the potential for additional stipulations on when these grants funds can be drawn down by the City.

Reasons Why PWs/DDIRs May be Reduced

As one of the leading federal grant management consulting firms in the United States, Tetra Tech is well versed in the circumstances that could lead to reduced reimbursement. Frequent explanations for reduced reimbursement are explained further below.

- **Ineligible Work:** FEMA makes all final decisions regarding the eligibility of work performed to ensure it is in compliance with rules, policies, and regulations. Sometimes applicants request reimbursement for work that is deemed ineligible, and thus, the PW will be reduced by the ineligible amount.
- **Insurance Reductions:** FEMA will require that an applicant pursue insurance claims and will only reimburse for deductibles or uninsured losses for eligible work.
- **Maintenance Records:** FEMA will not reimburse applicants for deferred maintenance. Therefore, applicants must provide documentation on the pre-disaster condition and function of all claimed facilities to demonstrate that the facilities were properly maintained.
- **Procurement Non-Compliance:** FEMA requires strict adherence to local, state, and federal procurement requirements, including 2 CFR 200. Applicants often make mistakes, such as missing required contract clauses, lacking justifications for emergency procurements, utilizing "piggy-back" contracts, and other pitfalls which can jeopardize FEMA funding.
- **Cost Reasonableness:** FEMA requires that all costs be reasonable and necessary. If applicants fail to provide documentation to substantiate cost reasonableness (e.g., cost and price analyses, historical costs, competitive procurement documentation, etc.), FEMA may deem certain costs ineligible or require the entire project to be withdrawn.

Equipment and/or Capabilities

Tetra Tech maintains a warehouse located in Orlando with over 120 fully stocked bays of debris monitoring supplies capable of supporting over 50 simultaneous recovery operations for over 90 days. **Tetra Tech has consistently deployed large-scale mobilizations of hundreds of staff and thousands of dollars' worth of equipment to multiple clients in a matter of days and on very short notice.** The Exhibit lists available equipment and facilities readily available upon activation.

| Resource List | |
|---|---|
| Resource | Quantity Available |
| ADMS Handheld Units | 6,000 |
| Time and Materials Forms | 5,000 |
| Truck Certification Forms | 35,000 |
| ADMS Ticket Stubs | 1,800,000 |
| Haul Out Ticket Stubs | 300,000 |
| Placards | 5,500 |
| Kits | |
| Project Manager Kits (1 Per 100 Monitors) | 100 |
| Project Coordinator Kits (1 Per 100 Monitors) | 100 |
| Human Resources Kits (1 Per 100 Monitors) | 60 |
| Collection Monitor Kits (1 Per 25 Monitors) | 225 |
| Disposal Monitor Kits (1 Kit Per Disposal Site) | 165 |
| Leaner/Hanger/Stump Kits (1 Per 50 Monitors) | 140 |
| Equipment** | |
| Laptops | 700 |
| Mifi (Mobile Wiireless) | 90 |
| High Speed Scanners | 70 |
| Printers | 145 |
| Mobile Command Office | 2 |
| Fuel Trucks | To Be Obtained from Pre-Contracted Vendor |
| Modular Work Locations | To Be Obtained from Pre-Contracted Vendor |
| Generators | To Be Obtained from Pre-Contracted Vendor |
| Portable Facilities | To Be Obtained from Pre-Contracted Vendor |

**All field documents are replenished as they are needed. Tetra Tech has several emergency vendors with the ability*

*** ADMS units are readily available and can be ordered as needed on a 24-hour turnaround.*

Team Member Role and Percentage of Time Committed

Our team has demonstrated the ability to execute large and complex programs, recognize and understand challenges unique to debris recovery, and support Florida communities as a capable service provider. We thoroughly understand the requirements in the project Scope of Work as detailed in the RFP, and we are prepared to deliver these tasks with an appropriate level of commitment from our staff. **For our key personnel, this means 100% availability to complete the proposed scope of work.**

The proposed key team members were chosen specifically not only due to their functional expertise but also their availability to provide dedicated support to the tasks within the Scope of Work. **Tetra Tech affirms that key personnel will be 100% available to respond to the City's needs upon activation.** Tetra Tech staff that have current commitments to other projects will be demobilized and reallocated to this scope of work as appropriate.

The Table below lists our proposed key staff and their area of expertise. In addition to our field staff being 100% dedicated to the City, our senior management team is also available as needed when issues arise.

Proposed Key Personnel

| Name | Areas of Expertise |
|---|--|
| Frank Guthman Project Manager | <ul style="list-style-type: none"> • Civil Engineering • Construction Management • Damage Assessment • Project Management • FEMA PA Policy / Reimbursement • Debris Monitoring Compliance • |
| Brendy Gordon Operations Manager | <ul style="list-style-type: none"> • Private Property Debris Removal • Field Operations and Logistics • Monitor Training • QA/QC • Scheduling and Dispatch • Truck Certification • Automated Debris Management Systems (ADMS) |
| Brandon Beale Field Supervisor | <ul style="list-style-type: none"> • Debris Monitoring Training • Disposal Operations • ROW Field Operations |
| Ricardo Bosques Data Manager | <ul style="list-style-type: none"> • Disaster Debris Management • Data Collection, Utilization, and Validation • Data Management • Report designs • Reimbursement Policies and Procedures • Public Relations • Invoice Reconciliation |
| Kerri O'Dell Debris Management Contractor | <ul style="list-style-type: none"> • Project Management • Financial Management • FEMA Compliance Monitoring and Oversight • Auditing • Recovery Planning • Disaster Response and Recovery Operations • Disaster Management Planning |

Challenges encountered, Resolutions

| | Common Challenge | Tetra Tech Solution |
|-------------------------------------|--|--|
| Access and Connectivity | During a project, access to areas and connectivity between project staff can be compromised. | <p>Tetra Tech utilizes the following methods for a solution:</p> <ul style="list-style-type: none"> • Proactive Data Collection • Access to GIS Layers • Drone Surveys • Operate with the use of NFC |
| National Labor Shortage | Nationwide shortages in the labor market make it difficult for many firms to meet the personnel requirements needed for debris management and FEMA reimbursement projects. | Tetra Tech focuses on hiring local staff that not only have the expertise we expect of our own staff, but the local knowledge that gives our clients an edge in project execution. Tetra Tech boasts a dedicated HR team and utilizes virtual and in-person recruitment. |
| Data & Communications Management | Data and communications management can be a challenge from sheer volume. There are many factors to consider, from accurate reporting to public relations. | Tetra Tech keeps data and communications open-ended with our clients and their communities using public-facing information, in-house digital media, communications and PR, and transparent reporting. |
| Understanding FEMA Regulations | Throughout project execution, compliance with FEMA regulations is one of the biggest challenges that our clients consider during the recovery process. | Our management team and field staff fully understand FEMA rules and regulations across FEMA programs. This allows us to monitor contracts to the smallest detail while managing and documenting the operation using proven methodologies that maximize FEMA reimbursement. |
| FEMA Communication and Coordination | An open line of communication with FEMA and its representatives isn't always possible for many communities across the country. Correspondence can take a lot of time, slowing down the program as a result. | Our team maintains strong relationships with many of the lead federal coordinating officers, PAVIA officers, and other staff. Regular interface and communication with FEMA at the headquarters, regional, and local levels allow our team to obtain quick responses on guidance and issues. |
| FEMA Closeout | As a FEMA program draws to a close, final program and financial reports must be submitted. | Tetra Tech maintains a timely closeout with its FEMA programs, boasting audit-ready file maintenance, FEMA grants portal experience, and data and documentation integrity. |
| Audits and Appeals | Accurate reporting is built up by strong maintenance of records, open communications, qualified and effective staff, and knowledge of FEMA rules and regulations. Any deviation from these elements can lead to complications in the auditing process. | Our grant management experts have assisted clients with applying for and retaining grant funds, even after closeout and audit processes. Our FEMA appeals and funding specialists have worked with FEMA closeout officers to obtain millions of previously deobligated dollars. |

Technology System Used

In the realm of a response following a disaster, our effectiveness is intricately linked to the technological resources at our disposal. The quality and capabilities of our response are directly proportional to the advanced tools and systems we employ, enabling us to mitigate the aftermath of any disaster scenario swiftly and efficiently. For Tetra Tech, that technology is *RecoveryTrac™* – the industry-leading software that powers our response activities. All of Tetra Tech’s projects are monitored using its proprietary technology, *RecoveryTrac™* ADMS.

RecoveryTrac™ Automated Debris Management System

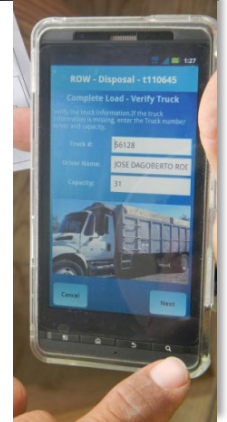
Our team has spent years on research and development to streamline the debris collection documentation process, with a focus on minimizing the cost to our clients while improving the visibility of debris project operations. *RecoveryTrac™* ADMS is the result of these efforts. *RecoveryTrac™* ADMS is a scalable and fully featured disaster management application designed to address the operational challenges faced during a disaster recovery project.

Our proprietary *RecoveryTrac™* ADMS technology was validated by the U.S. Army Corps of Engineers (USACE) in 2015 and again in 2023. The system provides real-time collection of data and offers multiple solutions to data management, reporting, invoice reconciliation, and project controls that cannot be achieved with a paper-based program.

Tetra Tech has implemented *RecoveryTrac™* ADMS technology on our last 200 FEMA PA-eligible projects. On these projects, our clients and FEMA found this state-of-the-art technology to increase efficiency and improve the management of debris removal efforts.

Tetra Tech’s *RecoveryTrac™* ADMS system is regarded as the #1 debris tracking system in the industry for the following reasons:

- **Most Broadly Tested ADMS in the Industry** – *RecoveryTrac™* ADMS is a proven system that has been used to execute the largest USACE activations involving ADMS technology, including the State of California NORCAL Fire response and the State of Georgia Hurricane Michael statewide activations. During simultaneous response to Hurricanes Harvey and Irma in 2017, Tetra Tech deployed approximately 6,000 ADMS devices to collect and manage data for over 100 projects. **No other system has tracked and documented as much debris as *RecoveryTrac™*.**
- **Stable and Secure ADMS System** – *RecoveryTrac™* ADMS is the industry leader in secure data systems. The *RecoveryTrac™* system is securely hosted in the Microsoft Azure Government high-availability, cloud-based data center with restricted access and transaction-level auditing. The database is continually backed up and immediately replicated to an off-site location. The database is geospatially based and is maintained and synchronized with the reporting database in near real-time to maximize system performance, availability, and security.
- **Unmatched Flexibility to Meet the Needs of Any Client** – The system is designed to be fully customizable and allows for multiple data collection methods to streamline the debris collection documentation process with a focus on minimizing the cost to our clients and improving the visibility and transparency of debris project operations.
- **Unrestricted by Hardware** – Because *RecoveryTrac™* ADMS utilizes readily available hardware, there are no restrictions to the amount of ADMS units our team can provide. Our team stocks thousands of units and can expand to fit any client’s needs, including multiple simultaneous activations.



Benefits of *RecoveryTrac™* ADMS

Ability to Respond. Combined with the on-hand inventory of thousands of handheld devices and the ability to rapidly procure additional equipment through preferred vendor relationships, the [CLIENT] can rely on our mobilization strategy for zero-day activations in disasters covering large areas with little or no-notice. **The on-hand inventory can be on-site and ready to use within 24 hours of a notice to proceed**, and additional needs can be met quickly (in most cases, 72 hours or less).

Simple and Intuitive. A key foundation of our mobilization strategy is the ability to quickly hire and train local residents and begin debris removal operations. The mobile application is simple to understand and intuitive, allowing most users to begin using the device once the standard monitor training is completed.

Cost Effective. *RecoveryTrac™* ADMS combines the advantage of automation and the desire of our customers to control costs by utilizing widely available commercial equipment and increasing the simplicity of operations.

Reliable and Stable. Based on the Android operating system, *RecoveryTrac™* ADMS is secure and reliable. This minimizes the interruptions in field operations due to technical difficulties and reduces the number of support personnel required to maintain the system.

Technical Support. *RecoveryTrac™* ADMS is designed to be self-repairing when possible; most support needs are resolved by field supervisors who are able to reach field monitors within 15–30 minutes in most cases. In addition, we have dedicated technicians at disposal sites and provide a field service center to maintain and repair equipment.

Truck Tracking. Our system is capable of providing with real-time location data for debris hauler assets. This translates into the ability to manage assets to those hardest hit locations or distribute assets more evenly based on issues such as first-pass completion, traffic patterns, and hot spots.

Real-Time, Customized Reporting. The key to successful management of a debris project is the timely availability of relevant information needed to make sound decisions and respond to anomalies before they become issues. Our powerful reporting engine allows the user to monitor contractor performance, track damages, track street-by-street debris removal progress, and identify and resolve potential problems as they happen. The geospatial reporting systems within *RecoveryTrac™* provide real-time information that raises the bar for post-disaster project management.

The demo at the QR code to the right walks you through the new *RecoveryTrac™* mobile data collection tool called Flex. The demo highlights the Form Builder, Mobile Data Collection App, Completed Form Processing, and final Email Delivery. Another intuitive side of *RecoveryTrac™* suite, users can easily push the required forms out to end users in the field. Once the field worker completes the form, the form is automatically uploaded when Internet connection is available.

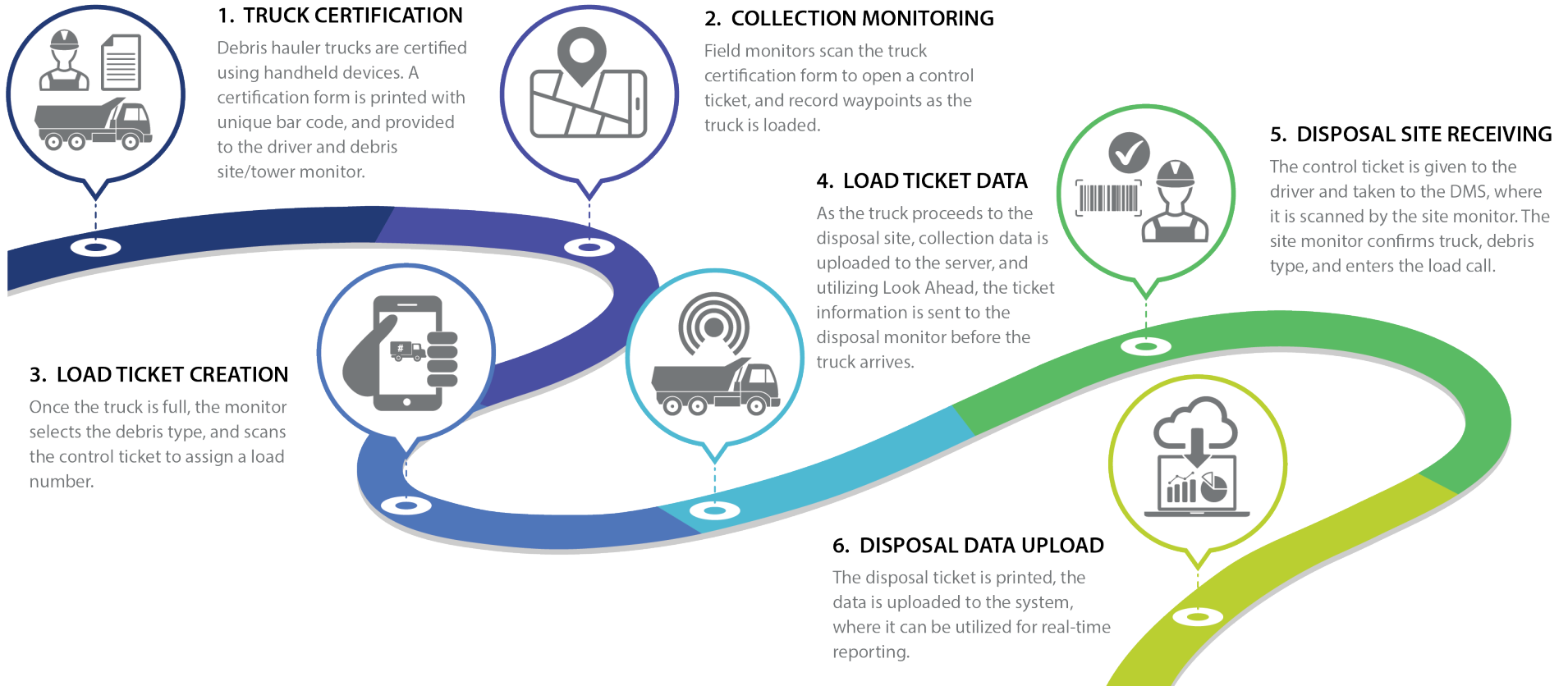
RecoveryTrac™ ADMS Key Facts

- Owned and operated by Tetra Tech
- Thousands of mobile units on-hand and ready for state-wide multi-district mobilizations
- Meets USACE specifications for electronic debris monitoring handhelds
- Real-time situation awareness of field resources and efficient direction to support the City priorities
- Real-time GIS web services for EOC information and visualization systems
- Capable of collecting data regardless of cellular service
- Automated photograph and GPS capture
- Provides reports and pass map tracking in real-time
- Minimizes chance of fraud through real-time monitoring
- Minimizes data entry and human error
- Expedites invoice reconciliation
- Intuitive and user-friendly



The *RecoveryTrac*™ Process

The steps of the *RecoveryTrac*™ ADMS process are as follows:



Even when there is no cellular connection, the handheld devices continue to operate in connected mode; however, the data is stored on the device until a data connection is restored. The device periodically searches for this connection, and when services are device automatically uploads the stored ticket data.

RecoveryTrac™ ADMS Features

Tetra Tech brings significant experience and understanding in the design and build of disaster debris removal data management systems that offer data collection, storage, sharing, analysis, and reporting.

Because of our previous experience, we have several ready-to-use components already built and ready to deploy. These components can be quickly repurposed saving time and cost while ensuring field work starts quickly. Some examples of these existing capabilities and tools include:

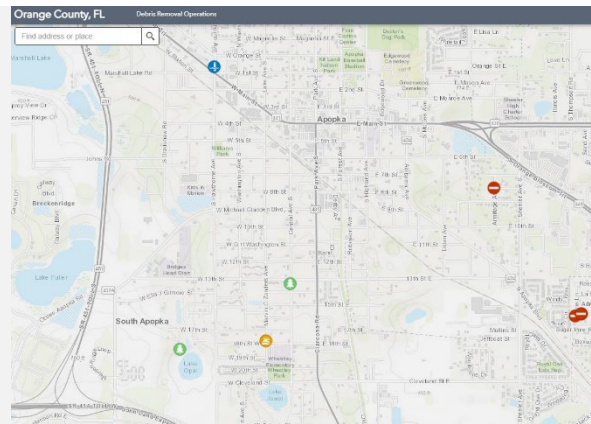
Our operational and data experience with disaster debris monitoring, combined with the best GIS and data professionals in the industry, results in top-shelf solutions to the most complicated data and tracking needs.

Industry-standard ArcGIS Feature Services allows us to transmit *RecoveryTrac™* ADMS data as GIS layers by way of internet and serves as a foundational building block for client applications.

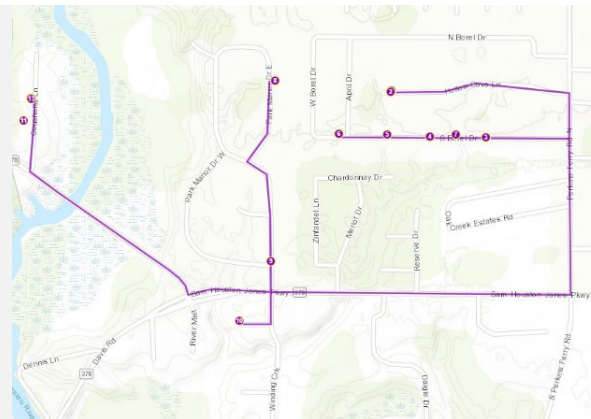
Services:

- [RT/RecoveryTrac_DebrisAuditData_RT2020](#) (FeatureServer)
- [RT/RecoveryTrac_DebrisAuditData_RT2020](#) (MapServer)
- [RT/RecoveryTrac_DebrisRemovalData_RT2020](#) (FeatureServer)
- [RT/RecoveryTrac_DebrisRemovalData_RT2020](#) (MapServer)
- [RT/RecoveryTrac_MonitorLocations_v1](#) (MapServer)
- [RT/RT2018_ProjectBoundaryData_v1](#) (FeatureServer)
- [RT/RT2018_ProjectBoundaryData_v1](#) (MapServer)
- [RT/RT2018_ProjectZoneData_v1](#) (FeatureServer)
- [RT/RT2018_ProjectZoneData_v1](#) (MapServer)
- [RT/RT2018_SiteObservationsIncidentData_v1](#) (FeatureServer)
- [RT/RT2018_SiteObservationsIncidentData_v1](#) (MapServer)
- [RT/RT2020_ProjectZoneData_v1](#) (FeatureServer)
- [RT/RT2020_ProjectZoneData_v1](#) (MapServer)

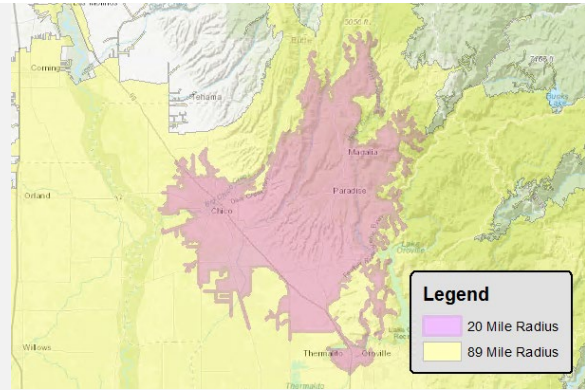
Initial Work Surveys document results of initial surveys to quickly collect, display, and summarize data into actionable operations planning. This data, including photographs, can be used to organize and deploy resources to improve speed and efficiency of the operation.



Work lists and optimized routes can be generated by the *RecoveryTrac™* system. As the routes are completed, the locations are marked complete.

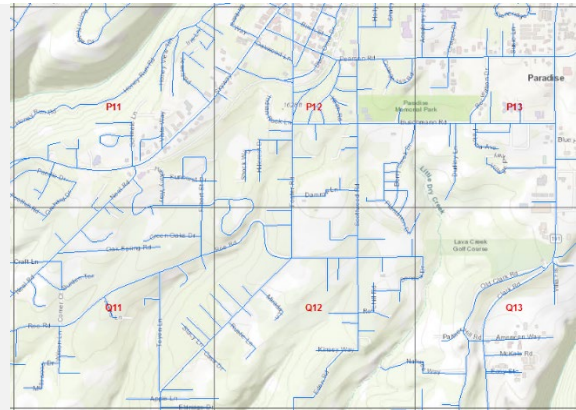


The Driving Distance Analysis tool is used to calculate estimated distance and drive time based on the existing road network. This planning tool is used as a parameter to design the shortest route, work list planning, and other operational factors.

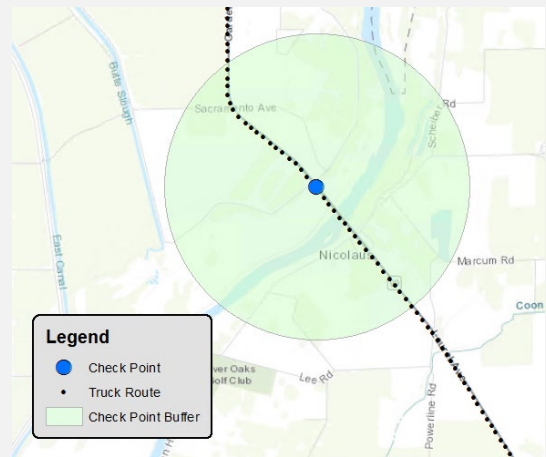


The Standardized ROW Grid Index layout is available in several formats, including GIS Mapping applications, mobile data collection apps, and hard copy maps.

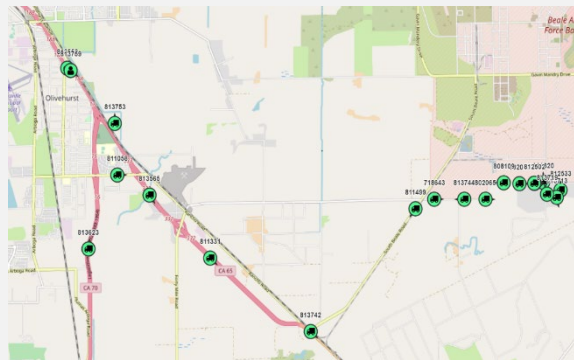
Map segment areas are configurable for size and allow attribute modification for tasks, including contractor, quality, and safety review tasks.



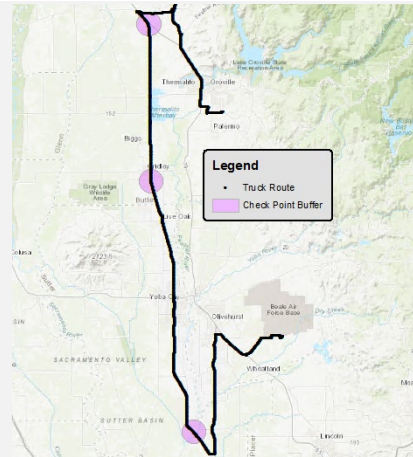
An automation tool built to validate routes taken to TDSRS/DMS. When a vehicle enters a checkpoint buffer area, the position record is annotated as passing the checkpoint. Route maps can be created, along with custom reporting as specified by operational requirements.



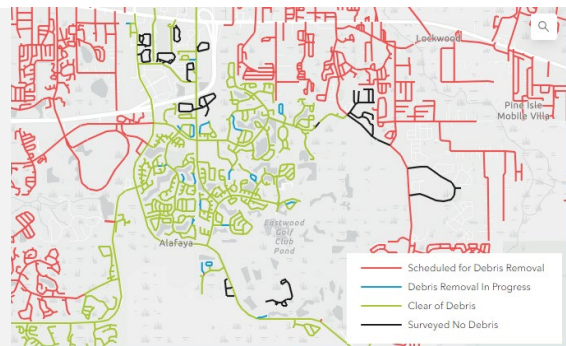
Fleet tracking is a powerful platform to manage mission resources, monitor and report on compliance. A key benefit of the *RecoveryTrac*™ solution is the ability to start tracking simply and quickly without the need for expensive equipment installations, service contracts and other expenses of commercial tracking systems.



Fleet tracking data provides complete route information. The data can be made available to show live tracking or view route history. Transportation analysis services are available, or data exports can be provided for the City's requests.



An automated method of assigning road pass status to roadways. When a pick-up location is logged into the system, spatial analysis is performed to determine which roadways have been visited and which ones have yet to be cleared of debris.



Road Surveys are performed to determine if there is any remaining debris along the roadways. The extent and exact location of the frame is extracted and shown on the map as the video plays from the starting point until end point.



B. References/Profiles

The following projects are a representative sample of our experience and accomplishments in performing services that are similar in scope, complexity, and magnitude to the City.

What do our clients say?

Commitment from Blue Skies through Reimbursement

"Tetra Tech proved itself to be a reliable partner for the city and executed all its obligations under our continuing services agreement. On top of that they provided excellent communication throughout the whole process and efficiently assisted in the cleanup of the city on both occasions. Their diligence and precision in detail ensured proper reimbursement from FEMA on all occasions. In our experience working with Tetra Tech, they have always come to the City of St. Petersburg's assistance when they are needed most for our residents and greater community. We would happily recommend their services to other communities and plan to continue our relationship with them into the future."

-Mr. Bryan M. Eichler, Assistant Director, City of St. Petersburg, FL

Extraordinary Service

"Tetra Tech immediately responded to the Parish...During the five-month project, we had visibility into the project's progress thanks to the Geoportal provided by your data team. Tetra Tech's service was extraordinary, and I highly recommend your services to any community in need of disaster response and recovery assistance following a natural disaster."

-Jacob Dillehay, Allen Parish Police Jury, Louisiana

Unmatched Professionalism

"Tetra Tech has been responsible for the monitoring, consulting, and the supervision of debris removal, PPDR progress, and the NCR's grant program throughout the City of Lynn Haven. Their advice, professionalism, and response time has been superb. I can confirm that the work completed under their leadership and oversight has been done so in accordance with the appropriate technical standards and legal regulations... [Following Hurricane Michael,] the team always fulfilled their duties with complete satisfaction, and I firmly believe the expertise, professionalism, and community engagement to add tremendous value to any project or organization."

-Vickie L. Gainer, City Manager, City of Lynn Haven, FL

Professionalism Matched by None

"Tetra Tech was quickly onsite and ready to move into action with a professionalism matched by none. Tetra Tech's management team worked hand in hand with our contractors, county crews and county staff to ensure that all FEMA compliance requirements were held to exemplary status, paying special attention to details, and the unique needs of our county and our citizens. Your entire team demonstrated outstanding skills for disaster recovery management, and I will attest to their superior management skills and team work. Tetra Tech's diligence, initiative, and assertiveness with all contractors, FEMA, and our own staff contributed to the success of our hazardous tree removal program."

-Clara Beckett, Bastrop County, Texas



Disaster Debris Program Management | City of Pembroke Pines, FL

Located in southern Broward County, Pembroke Pines is a city whose current population is estimated just under 170,000. Tetra Tech assisted the City of Pembroke Pines with debris monitoring and management services following Hurricane Wilma in 2005. Following Hurricane Irma in 2017, Tetra Tech once again supported the City.

Tetra Tech provided comprehensive collection and disposal monitoring activities, including on-site project management assistance to formulate a plan for the City's long-term recovery. Tetra Tech project managers also helped coordinate logistics with the City's multiple debris removal contractors to help ensure an organized approach.

On average, over 35 collection monitors were deployed daily to monitor collection activities for more than 50 debris removal crews. Tetra Tech was also responsible for monitoring activities for hazardous stump removal, tree removal, and some waterway clean-up. Tetra Tech monitored removal of **more than 226,000 CYs of debris** and **over 6,000 hazardous leaning trees and hanging limbs** throughout the City following Hurricane Irma. All in all, Tetra Tech hired **110 local monitors** for the full project.

Tetra Tech was called on by the City of Pembroke Pines following Hurricane Ian in the fall of 2022. We managed the debris removal for **more than 5,600 CYs of debris** following that storm.

Client

City of Pembroke Pines, FL

Period of Performance

Hurricane Irma: September 2017 – March 2018

Hurricane Ian: September – October 2022

Project Size

Hurricane Irma: 226,418 CYs

Hurricane Ian: 5,646 CYs

Project Cost

Hurricane Irma: \$5,070,942

Hurricane Ian: \$187,101

Reference Contact

Bob Aguirra,

ERP Manager

954-450-1097

baguirra@ppines.com



Debris Monitoring Operations | City of Edinburg, Texas

Tetra Tech has been mobilized for disaster debris monitoring services on multiple occasions by the City of Edinburg. Most recently in the wake of Hurricane Hanna, Tetra Tech was again mobilized to assist the City with post disaster damage assessment and disaster debris monitoring. A Category 1 hurricane, Hurricane Hanna was an early-season storm; it was the first July hurricane to make landfall in Texas in more than a decade (Hurricane Dolly's arrival in July 2008). Hurricane Hanna made landfall on Padre Island. The storm brought between eight to 15 inches of rain in the Rio Grande Valley. Within hours of Hurricane Hanna passing, our project management team deployed to assess damages and initiate a right-of-way debris removal program.

Tetra Tech began by immediately implementing a campaign to hire local residents to assist with the debris monitoring program. After locals were hired, they were trained on FEMA Public Assistance Program debris eligibility criteria and debris removal operations. Next, our staff members initiated truck certification for both a debris contractor and City trucks. Right-of-way debris removal operations included both vegetative debris and construction and demolition debris (C&D). City officials made maximum use of Tetra Tech's *RecoveryTrac*™ geoportal that gave them real-time access to trucks to monitor locations and review project data and metrics. Ultimately, Tetra Tech monitored the **removal of nearly 110,000 CYs of debris**.

Client
City of Edinburg, Texas

Period of Performance
August – September 2020

Project Size
109,905 CYs

Project Cost
\$1,118,013

Reference Contact
Ramiro Gomez, Director of
Solid Waste Management
415 University Drive
Edinburg, TX 78540
(956) 381-5635
(956) 389-3140 (mobile)
rgomez@cityofedinburg.com



Disaster Debris Program Management | City of Cape Coral

Hurricane Ian swept over Cape Coral in 2022 as the fourth strongest hurricane to ever hit Florida. Tetra Tech was mobilized to assist in the cleanup of right-of-way debris, parks, canals, and hazardous trees for the City. Cleanup efforts included **363 unique hauling units** that were distributed through four different temporary disposal sites before final disposal at the landfill. The rapid cleanup resulted in the removal of more than **2,700,000 CYs of debris in the span of eight months**.

In September 2017, the waterfront city of Cape Coral was impacted by Hurricane Irma, the most powerful storm to make landfall in Florida in over 10 years. While the City did not suffer as much damage to homes as many other southern Florida communities, the storm's powerful winds downed trees and left debris throughout many neighborhoods and roads. In addition, the City suffered major damage to its canal system and seawalls.

The City activated Tetra Tech under a pre-positioned contract to conduct disaster debris monitoring services. At peak, our team led **nearly 30 local hires** to monitor the debris removal process, utilizing our proprietary *RecoveryTrac*™ ADMS software. Additionally, our team provided data management and closeout support including reporting on special requests to assist the City with their FEMA reimbursement. In total, our team monitored the removal of well **over 500,000 cubic yards of debris**. This entailed **364,000 cubic yards of right-of-way debris** and **164,000 cubic yards of waterway debris**.

Client

City of Cape Coral, Florida

Period of Performance

Hurricane Ian: September 2022
– May 2023

Hurricane Irma: September
2017 – February 2018

Project Size

Hurricane Ian: 2,717,941 CYs
Hurricane Irma: 533,412 CYs

Project Cost

Hurricane Ian: \$63,380,733
Hurricane Irma: \$11,969,525

Reference Contact

Terry Schweitzer, Solid Waste
Manager
(518) 415-9718
tschweitzer@capecoral.gov



Disaster Debris Monitoring Services

Hurricane Hanna was the first hurricane of a record-tying six storms to make landfall in the United States in one year. In July 2020, Hanna grew to a Category 1 hurricane and made landfall in Texas. The brunt of the damage was south of the Port of Corpus Christi; located approximately 150 miles south of the Port of Corpus Christi, Hidalgo County and the City of Pharr were some of the areas that endured Hanna's damages.

The City of Pharr is a small border town of approximately 80,000 residents. Its limits extend south to a narrow portion of the Rio Grande River, and the City is connected via bridge to the Mexican city of Reynosa, Tamaulipas. Following Hurricane Hanna, the City found itself facing debris and damage, along with the rest of Hidalgo County. Tetra Tech supported both the County and the City in the cleanup. A team of 9 field monitors used *RecoveryTrac™*, Tetra Tech's automated debris management system (ADMS), to accurately document and track the quantities, locations, types, and disposal of debris from the storm. The team monitored the removal of **nearly 30,000 cubic yards and over 1,500 tons of debris.**

Client
City of Pharr, Texas

Period of Performance
August-September 2020

Project Size
29,996 CYs and 1,511 Tons

Project Cost
\$339,590

Reference Contact
Pilar Rodriguez, Fire Chief
(956) 402-4400
pilar.rodriguez@fd.pharr-tx.gov



Pinellas County | Disaster Debris Program Management

Pinellas County is one of the most densely populated counties in Florida. Its low-lying elevation places most of its residents in flood zones, putting millions of homes and structures at risk. Although the County avoided a direct hit from Hurricane Irma in September 2017, the storm nonetheless caused widespread devastation. Before the storm, Pinellas County citizens reported a negative, or reverse, storm surge; in this phenomenon, the hurricane appears to suck the water away from the shore. In this case, the negative storm surge was preceded by a positive, although fairly weak, storm surge. In the populous city of Clearwater, 30 homes suffered severe damage, while almost 400 homes were damaged in total. Almost two-thirds of the County's residences (more than 370,000 residences) endured power outages.

In the immediate aftermath, Pinellas County activated the Tetra Tech team to conduct post-disaster debris monitoring services under a pre-positioned contract. Our management team was on-site within hours of the storm's passing to conduct initial damage assessments and begin monitoring the cleanup process. The Tetra Tech team monitored two prime hauling contractors, AshBritt and Ceres, as well as the County's own hauling equipment. Over **120 local personnel** were hired as debris monitors, documenting **over 12,000 loads of debris and coordinating and tracking the trucks from the various entities**. This totaled **over 380,000 cubic yards of debris** removed from County roads. A total of **24,986 hazardous leaners, hangers, and stumps** were also removed.

Tetra Tech coordinated and tracked the segregation of debris by origin at four disposal sites; the team also monitored the reduced debris' hauling to final disposal sites. In addition, the County allowed its municipalities to use County disposal locations under the same contract; due to the success of this method, Tetra Tech partnered with the County to prepare for 2022's Hurricane Ian in the same method.

Client
Pinellas County, Florida

Period of Performance
September 2017 – November 2018






Project Size
382,167 CYs

Project Cost
\$9,599,762

Reference Contact
Sean Tipton Public Works -
Traffic Engineering
(727) 464-8809
(727) 222-0441
stipton@co.pinellas.fl.us

C. Years Performing Services

Tetra Tech is a leading provider of consulting, engineering, environmental, and technical services worldwide. Founded in 1966, Tetra Tech is one of the leading firms in the nation in the field of disaster management and homeland security, with millions of dollars in revenue coming from contracts in such diverse areas as infrastructure hardening and protection; disaster recovery; emergency management, planning, and preparedness; community resilience; environmental services, and grant management. Tetra Tech supports government and commercial clients by providing innovative solutions to complex problems focused on water, environment, energy, infrastructure, and natural resources. We are a global company with over 28,000 employees that is *Leading with Science*[®] to provide innovative solutions to complex problems for our public and private clients.

| | | | | | |
|---|---|--|---|--|---|
| <p>90+ MAJOR DISASTERS RESPONSES</p> | <p>25 YEARS IN DISASTER RECOVERY</p> | <p>179M CUBIC YARDS OF DEBRIS MONITORED</p> | <p>\$51B REIMBURSED TO CLIENTS</p> | | |
| <p>WORKS IN 100+ COUNTRIES</p>  <p>7 CONTINENTS</p> | <p>\$5 billion ANNUAL REVENUE</p> | | <p>28,000 ASSOCIATES</p>  | | |
| <p>Publicly traded on NASDAQ as</p>  | <p>WORKS ON 100,000 PROJECTS ANNUALLY</p> | <p>550 OFFICES WORLDWIDE</p> | <p>20,000 CLIENTS</p> | | |
| <p>ENR RANKINGS</p> |  <p>#1 Environmental Management</p> |  <p>#2 Solid Waste</p> |  <p>#1 Water</p> |  <p>#3 Hazardous Waste</p> |  <p>#1 Site Assessment and Compliance</p> |

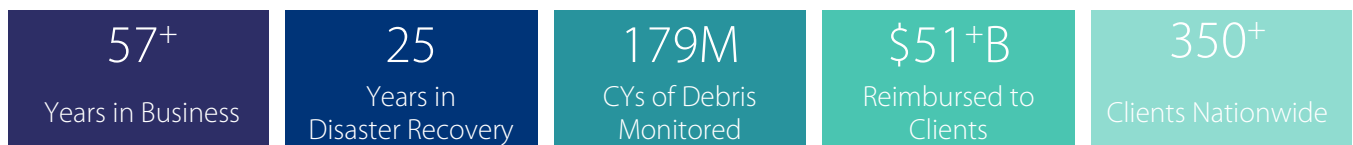
Dedicated to helping state and local governments plan for and recover from natural and human-caused disasters, our staff members offer a field-tested and proven methodology for emergency readiness, continuity planning, and disaster recovery. Our team is recognized for its ability to quickly respond to a broad range of emergencies, allowing our clients to return to the business of running their day-to-day operations.

Likewise, our team's understanding of the Federal Emergency Management Agency (FEMA), the Federal Highway Administration (FHWA) (including recent changes), and other reimbursement agencies' requirements for eligibility, documentation, and reimbursement helps clients receive the maximum reimbursement allowed. **Our team has obtained over \$51 billion in reimbursement funds for our clients from federal agencies such as FEMA, HUD, FHWA, and the Natural Resources Conservation Service (NRCS).** In total, our team has successfully managed the removal of and reimbursement for over **179 million cubic yards (CYs) of debris, as well as the demolition of over 22,000 uninhabitable residential and commercial structures.**

In addition to disaster recovery, Tetra Tech offers a diverse suite of solutions to complex problems in water, environment, infrastructure, resource management, energy, advanced data analytics, and more. In all, Tetra Tech has dedicated problem solvers and innovators from 60 disciplines collaborating on innovative projects worldwide.



Knowledge and Expertise



Tetra Tech Disaster Recovery is a national leader in the field of disaster management. Our contracts with federal agencies and state and local governments are in diverse areas such as disaster recovery consulting and technical assistance; staff augmentation; community resilience; grant management; and disaster debris planning and preparedness. Our team offers deep understanding of the FEMA, FHWA, and other regulatory agencies' policies and procedures. We have worked closely with these agencies, recipients, and subrecipients on billions of dollars' worth of projects to determine project eligibility and to provide technical assistance, detailed damage inspection reports, cost estimates, validation and testing, audit documentation, and process reimbursements. Our team also maintains strong relationships with many of the lead federal officers, state agency leadership, local governments, and other staff.

Unmatched Debris Monitoring Experience

Our team has provided disaster management, recovery, and consulting services to hundreds of state and local government agencies since 2001. These services have included environmental permitting; monitoring of debris collection, hazardous tree programs, debris management sites (DMS), and specialized debris missions; fire damage restoration; contractor invoice reconciliation; and federal grant reimbursement support. [Profiles and references from specific projects are featured later in this section. Tetra Tech can provide additional projects and information upon request.](#)

Exhibit 1. Experience Matrix (2001 - Present)

OVER 95 EVENTS SINCE 2001

2024

FL SEVERE STORMS - 2 Clients
TX SEVERE STORMS - 1 Client
MAUI WILDFIRES - 1 Client

2023

HURRICANE IDALIA - 6 Clients
TYPHOON MAWAR (GUAM) - 2 Clients
MAUI WILDFIRES - 4 Clients
OK STRAIGHT-LINE WIND EVENT - 1 Client
VT FLOODING - 1 Client
OH TRAIN DERAILMENT - 1 Client
TX WINTER STORM MARA - 6 Clients
CA FLOODING EVENTS - 5 Clients
CA WINTER STORM - 1 Client
AR TORNADO - 5 Clients
MS TORNADO - 2 Clients
CA WILDFIRES - 4 Clients
HURRICANE IAN - 4 Clients
HURRICANE NICOLE - 1 Client
HURRICANE LAURA - 4 Clients
TN STORMS - 1 Client

2022

HURRICANE NICOLE - 5 Clients
HURRICANE IAN - 31 Clients
CA WILDFIRES - 4 Clients
NM WILDFIRE (USACE) - 1 Client
WINTER STORM VA - 1 Client
KY STORMS/TORNADOES - 2 Clients

2021

DIXIE FIRE - 1 Client
HURRICANE IDA - 9 Clients
BUILDING COLLAPSE - 1 Client
STORMS/TORNADOES AL - 1 Client
WINTER STORM TX - 3 Clients
STORMS/FLOODING TN - 1 Client
WINTER STORM VA - 1 Client

2020

HURRICANE ZETA - 6 Clients
HURRICANE DELTA - 4 Clients
WILDFIRES - 2 Clients
HURRICANE SALLY - 4 Clients
HURRICANE LAURA - 18 Clients
HURRICANE ISAIAS - 2 Clients
HURRICANE HANNA - 3 Clients
TORNADOES - 3 Clients
IOWA DERECHO - 1 Client

2019

TROPICAL STORM IMELDA - 3 Clients
HURRICANE DORIAN - 4 Clients
TORNADOES - 2 Clients

2018

HURRICANE MICHAEL - 13 Clients
HURRICANE FLORENCE - 12 Clients
WILDFIRES - 1 Client

2017

WILDFIRES - 2 Clients
HURRICANE MARIA - 1 Client
HURRICANE IRMA - 67 Clients
HURRICANE HARVEY - 38 Clients
TX & GA TORNADOES - 2 Clients

2016

HURRICANE MATTHEW - 34 Clients
HURRICANE HERMINE - 1 Client
STORMS & FLOODING - 2 Clients
WILDFIRES - 2 Clients
FLOODING - 6 Clients

2015

WILDFIRES - 2 Clients
SEVERE STORMS - 3 Clients
FLOODING - 10 Clients

2014

FLOODING - 1 Client
TORNADOES - 2 Clients
ICE STORM - 7 Clients

2013

ICE STORM - 2 Clients
FLOODING - 1 Client

320
COMMUNITIES

IN 25 STATES

& 3 TERRITORIES

179M
CUBIC YARDS OF
DISASTER DEBRIS

2012

HURRICANE SANDY - 13 Clients
HURRICANE ISAAC - 5 Clients
TROPICAL STORM DEBBY - 3 Clients

2011

WINTER STORMS - 19 Clients
TEXAS DROUGHT - 1 Client
TEXAS WILDFIRES - 1 Client
HURRICANE IRENE - 22 Clients
TORNADOES - 4 Clients

2010

FLOODING - 2 Clients
TORNADOES - 1 Client
ICE STORMS - 1 Client
TROPICAL STORM ALEX - 1 Client

2009

ICE STORMS - 1 Client
SNOW STORMS - 2 Clients
TROPICAL STORM IDA

2008

HURRICANE IKE - 78 Clients
HURRICANE GUSTAV - 7 Clients
TROPICAL STORM FAY - 3 Clients
HURRICANE DOLLY - 30 Clients
MIDWEST FLOODING - 2 Clients

2007

MIDWEST ICE STORM - 3 Clients
TORNADOES - 2 Clients
MIDWEST SNOW STORMS - 3 Clients

2006

BUFFALO SNOW STORMS - 6 Clients

2005

HURRICANE WILMA - 17 Clients
HURRICANE RITA - 3 Clients
HURRICANE KATRINA - 11 Clients
HURRICANE DENNIS - 5 Client

2004

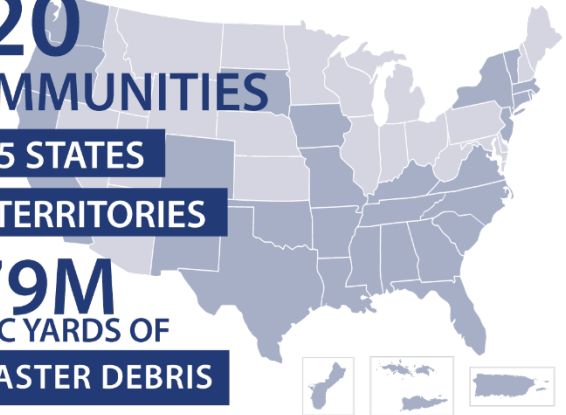
HURRICANE JEANNE - 2 Clients
HURRICANE IVAN - 3 Clients
HURRICANE FRANCES - 2 Clients
HURRICANE CHARLEY - 2 Clients

2002

HURRICANE LILI - 1 Client

2001

TROPICAL STORM GABRIELLE - 1 Client




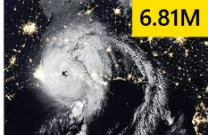


















Large-Scale Debris Monitoring Experience

Clients count on us to respond in their time of need, and we have never failed to deliver. Our team of debris experts and vast resources allow us to respond to our clients' deployment and mobilization needs, regardless of size, location, or type of disaster. **More than 6,000 Tetra Tech field staff were deployed in concurrent responses to Hurricanes Harvey, Irma, Maria, and the California wildfires in 2017–2018.** Tetra Tech understands the unique aspects and special considerations related to large-scale operations.

Exhibit 2. Large Project Experience



Top 20 Debris Monitoring Projects by Cubic Yard (CY)

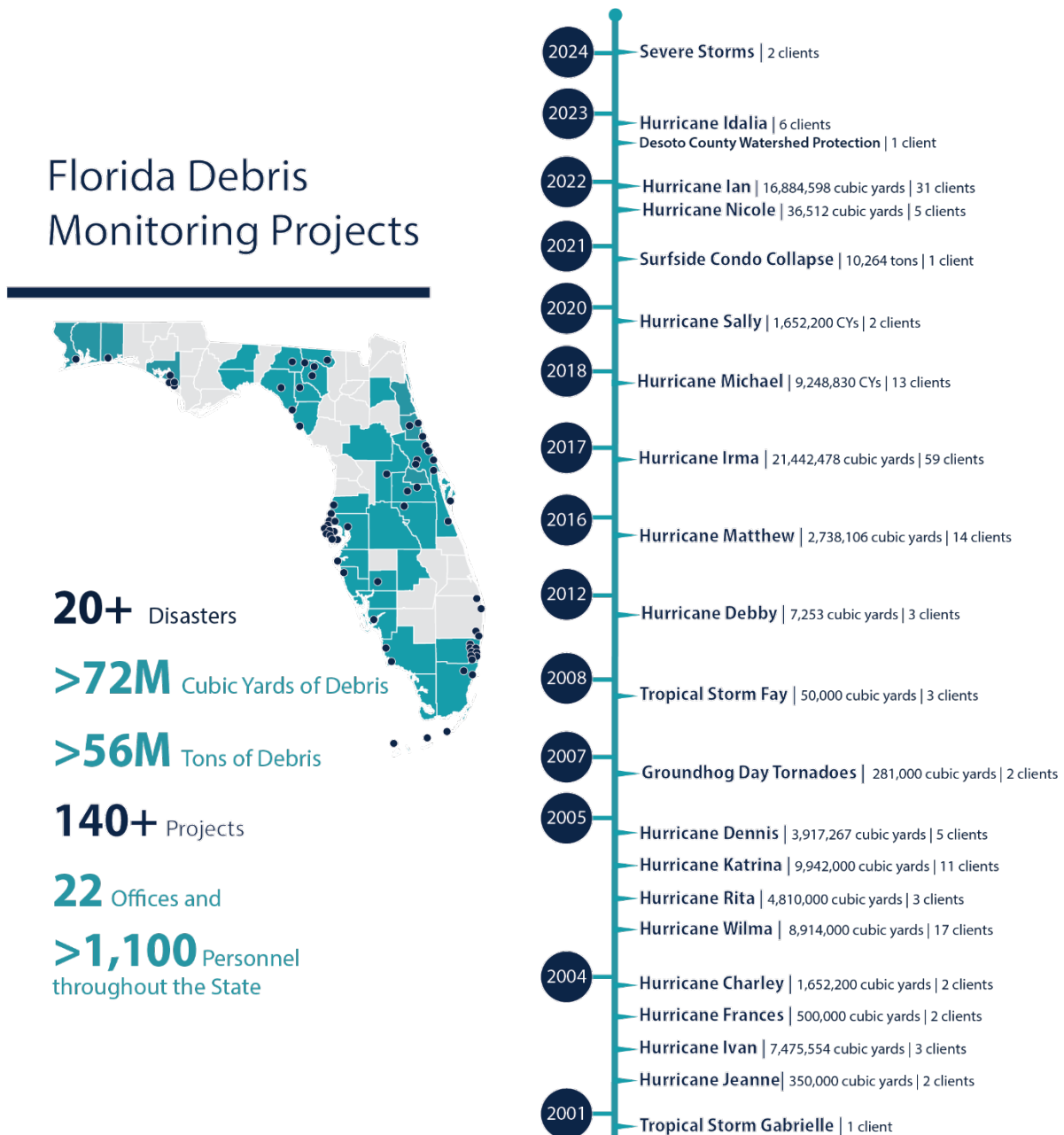
| | | | | |
|---|--|---|---|---|
|  <p>8.27M CalRecycle Camp Wildfire, 2018</p> |  <p>6.81M Calcasieu Parish, LA Hurricane Laura, 2020</p> |  <p>5.47M Houston, TX Hurricane Ike, 2008</p> |  <p>5.38M Escambia County, FL Hurricane Ivan, 2004</p> |  <p>4.60M Charlotte County, FL Hurricane Ian, 2022</p> |
|  <p>4.42M Baldwin County, AL Hurricane Sally, 2020</p> |  <p>4.0M Lake Charles, LA Hurricane Laura, 2020</p> |  <p>3.90M Miami-Dade County, FL Hurricane Katrina, 2005</p> |  <p>3.56M Miami-Dade County, FL Hurricane Irma, 2017</p> |  <p>3.14M Collier County, FL Hurricane Irma, 2017</p> |
|  <p>2.69M Bolivar Peninsula, TX Hurricane Ike, 2008</p> |  <p>2.49M Harrison County, MS Hurricane Katrina, 2005</p> |  <p>2.39M Harris County, TX Hurricane Ike, 2008</p> |  <p>2.30M Miami-Dade County, FL Hurricane Wilma, 2005</p> |  <p>2.89M Gulfport, MS Hurricane Katrina, 2005</p> |
|  <p>2.27M Polk County, FL Hurricane Irma, 2017</p> |  <p>2.18M Hilton Head Island, SC Hurricane Matthew, 2016</p> |  <p>1.81M Galveston, TX Hurricane Ike, 2008</p> |  <p>1.70M Santa Rosa County, FL Hurricane Dennis, 2005</p> |  <p>1.60M Beaufort County, SC Hurricane Matthew, 2016</p> |

Florida Debris Monitoring Experience

Tetra Tech has performed more debris monitoring services in the state of Florida than any other firm. Our team has responded to every major disaster in Florida since 2001. In response to these events, our team has overseen 141 projects amounting to over 60 million CYs of debris across the State. Due to our vast experience, we have become experts in Florida’s unique needs disaster recovery needs, including PPDR, waterways, and beach projects.

Florida is also our home state, where many of our principal and senior staff reside. We are proud of our work in Florida, and we want to be known in our hometowns for providing excellent service to our communities. With 22 offices throughout the state, including our disaster recovery headquarters and fully stocked warehouse in Central Florida, Tetra Tech is mere hours away to mobilize rapidly to our clients throughout the state.

Exhibit 3. Florida Debris Monitoring Experience




FDEM's Florida Recovery Obligation Calculation (F-ROC) System

The Florida Division of Emergency Management (FDEM) developed a program to standardize the forms and documentation associated with the FEMA PA reimbursement process. As a state managed and federally funded program, the program aims to make the recovery process simpler and more streamlined, evaluating and reducing risk for applicants. The new Florida Recovery Obligation Calculation (F-ROC) system has an applicant-first approach, in which the F-ROC team assists applicants in identifying risk and develops a clear action plan that will abate those risks. This program is designed to build equal access to PA funds and make the recovery process more proactive.

Tetra Tech's Disaster Recovery unit has been involved in F-ROC since day one of the trial period. Our team regularly provided feedback and participated in the development of these forms, both with our clients and as a representative of the disaster response and recovery industry. Recently, Tetra Tech worked with Sarasota County, an F-ROC Pilot Community, to participate in the F-ROC program following Hurricane Ian. It is key to the success of F-ROC that the program is supported locally, and Tetra Tech is prepared to make this adjustment alongside our clients.

Ultimately, the F-ROC program's four pillars of standardization, procurement, procedures, and assessment mean that the Tetra Tech team has seen the new methods of completing these FEMA PA reimbursement requests and is ready to replicate these efforts for City. We look forward to helping City navigate the new F-ROC system for reimbursement.



The Tetra Tech team collaborated with St. Johns County Public Works to create their Debris Plan. Upon review of the submittal, the State of Florida remarked that it was one of the best plans they had received and approved the Debris Plan to be included in the County's FROC documentation.

Our program is designed to maximize federal grant reimbursement.

Over the course of working with hundreds of local and state governments on disaster debris management projects, our team has developed a deep understanding of FEMA, FHWA, NRCS, and other reimbursement and regulatory agencies' policies and procedures. Our efforts allow clients to maintain their focus on continuing daily operations while relying on us to oversee the management of debris removal operations in compliance with programmatic guidelines and procedures. Additionally, we have supported clients across the state and have successfully helping our clients navigate the Florida Division of Emergency Management reimbursement and closeout process. Our understanding of requirements for eligibility, documentation, and reimbursement has helped our clients obtain **over \$50 billion in reimbursed costs.**

REGION 4

The nuances presented in each Region's administration of the FEMA PA program provide their own challenges. We know Region 4 approach to administering FEMA PA and have helped clients successfully navigate it for years.

Our team has direct experience with federal grant programs, including:

- FEMA PA Program (including Section 406 mitigation and Section 428 alternative procedures program)
- FEMA Hazard Mitigation Grant Program (HMGP, Section 404 mitigation)
- FEMA Hazard Mitigation Assistance (HMA)
- FEMA Individual Assistance (IA) Program
- FHWA-Emergency Relief (FHWA-ER) Program
- FHWA Transportation Investment Generating Economic Recovery Grant
- Natural Resources Conservation Service (NRCS) Emergency Watershed Protection
- U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant Program (CDBG)
- U.S. Treasury Coronavirus Aid, Relief, and Economic Security (CARES) Act and COVID-related funds

For this engagement, Tetra Tech anticipates that majority of reimbursement will be pursued through the FEMA PA Program. Our team holds comprehensive qualifications in working both for and with FEMA. Tetra Tech maintains six current contracts directly supporting FEMA, in addition to our routine work with FEMA as part of state and local projects seeking FEMA reimbursement.



Our team has worked closely with FEMA and FHWA staff in the determination of debris eligibility, data requirements, project worksheet/detailed damage inspection report development, auditing of documentation, and reimbursement requirements. This includes providing **step-by-step assistance to clients throughout the FEMA reimbursement process.**

"As a former State Recovery Director in Region 4, I advise our team, and yours, on the best approach to documentation and presentation of costs in order to maximize your utilization of PA funding."

- Allison McLeary, Esq.
Senior Management Team

Tetra Tech is able to maximize FEMA PA disaster debris reimbursement funding for the City based on the following:

- **Procedures Tailored to FEMA:** Our data management and document storage procedures are tailored to facilitate FEMA review and the generation of project worksheet versions throughout the entire project. We incorporate changes or updates to the FEMA PA Program and Policy Guide (PAPPG) into our procedures for field documentation and data management as they occur. Our software systems, *RecoveryTrac™* and *RecoveryTrac™* Grants Management were designed with FEMA programs in mind and were built to interface with FEMA Grants Portal/Grants Manager.
- **Comprehensive Understanding of FEMA Regulations:** Our management team and field staff fully understand FEMA rules and regulations for hand-loaded vehicles; stump, limb, and tree removal at unit rates; volumetric load calls at temporary disposal site locations; and right-of-way (ROW) debris removal eligibility. This allows us to monitor contracts to the smallest detail while concurrently managing and documenting the operation using proven methodologies that maximize FEMA reimbursement.
- **Direct Relationships with FEMA Regional Representatives:** Our team maintains strong relationships with many of the lead federal coordinating officers, debris specialists, Public Assistance (PA) coordinators and officers, and other staff. Regular interface and communication with FEMA at the headquarters, regional, and local levels allow our team to obtain quick responses on disaster-specific guidance and issues. Having been former State and Federal officials, our employees know how to successfully navigate FEMA PA and should issues arise, who to call upon to get quick remedies.
- **Team of Grant Experts to Assist with Funding and Audits:** Our grant management experts have assisted clients with applying for and retaining grant funds, even after closeout and audit processes. Our FEMA appeals and funding specialists have worked with FEMA closeout officers to obtain millions of previously deobligated dollars for communities. While the best course of action is to avoid audits or appeals, there are sometimes unavoidable disagreements with program administrators. We have a bench of accountants, attorneys and program experts to draw upon to try and come to a resolution outside of the audit or appeals process, or when all else fails, appeal or arbitrate certain unacceptable decisions.

Spotlight On: Commitment from Blue Skies through Reimbursement

"Tetra Tech proved itself to be a reliable partner for the City and executed all its obligations under our continuing services agreement. On top of that, they provided excellent communication throughout the whole process and efficiently assisted in the cleanup of the City [after Hurricanes Irma and Ian]. Their diligence and precision in detail ensured proper reimbursement from FEMA on all occasions. In our experience working with Tetra Tech, they have always come to the City of St. Petersburg's assistance when they are needed most for our residents and greater community. We would happily recommend their services to other communities and plan to continue our relationship with them into the future."

-Mr. Bryan M. Eichler, Assistant Director, City of St. Petersburg, FL

Disaster Recovery Program Management Services

Our team is a national leader in providing management and support documentation for all facets of the debris removal monitoring industry, including special disaster recovery program management services.

Exhibit 4. Disaster Recovery and Special Program Management Capabilities

| Disaster Recovery Program Management | |
|--|--|
| Emergency road clearance | Final debris disposal at a landfill or other end use |
| Curbside debris collection | Conflict and damage resolution |
| Operation of citizen drop-off sites | Truck certification |
| Data management and invoice reconciliation | Right-of-entry administration |
| Oversight of debris management sites | |
| Special Programs Management | |
| Animal carcass removal and disposal | Marine and waterway debris removal |
| Asbestos abatement | Private property demolition and debris removal |
| Beach remediation and restoration | Nuisance abatement ordinance administration |
| Construction and demolition debris removal | Saltwater killed tree removal |
| Creosote piling removal | Sediment dredging and removal |
| Drainage and canal debris removal | Subsurface storm drain debris removal |
| E-waste debris removal | Vessel and vehicle recovery |
| Hazardous waste debris removal | Wetland and parkland debris |
| Hazardous tree and stump removal | White goods and putrescent waste removal |

Private Property/Right-of-Entry Debris Removal

Our team has administered many of the largest private property debris removal (PPDR) programs in U.S. history. Tetra Tech assists communities with ensuring they have the legal authority via local and state ordinances to enter onto private property. We also assist with preparing submittal packages for FEMA to approve the program, promoting the Right-of-Entry (ROE) program with residents, and ensuring the program is properly documented. Included below is a representative sample of our PPDR projects.

72 PRIVATE PROPERTY DEBRIS REMOVAL PROJECTS MANAGED



SCOPE TASKS

- Application Administration
- Data Management
- Debris Removal Monitoring
- Demolition Program Management
- Historical/Environmental Review
- Individual Property Debris Tracking
- Property Close Out
- Property Survey
- Public Advertisement
- Reduction/Disposal Monitoring
- Scheduling

- Hawaii Wildfires (2023)** 2 Clients
- Hurricane Ian (2022)** 23 clients
- CA Wildfires (2022)** 3 clients
- Surfside Condo Collapse (2021)** 1 client
- Hurricane Ida (2021)** 2 clients
- Wildfires (2021)** 15 clients
- Hurricane Laura (2020)** 1 client
- North Branch Wildfires (2020)** 9 clients
- Hurricane Michael (2018)** 3 clients
- Hurricane Florence (2018)** 1 client
- Camp Wildfire (2018)** 1 client
- Mendocino-Complex Fire (2018)** 1 client
- Carr Wildfire (2018)** 1 client
- Severe Storms/Tornadoes (2017)** 1 client
- Hurricane Harvey (2017)** 2 clients
- NorCal Wildfires (2017)** 4 clients
- Thomas Wildfire (2017)** 1 client
- Detwiler Wildfire (2017)** 1 client
- Helena Wildfire (2017)** 1 client
- Flooding & Severe Storms (2016)** 1 client
- Flooding (2016)** 1 client
- Erskine Wildfire (2016)** 1 client
- Clayton Wildfire (2016)** 1 client
- Butte Wildfire (2015)** 1 client
- Valley Wildfire (2015)** 1 client
- Flooding (2014)** 1 client
- Flooding (2013)** 1 client
- Hurricane Sandy (2012)** 1 client
- Hurricane Isaac (2012)** 1 client
- Wildfires (2011)** 1 client
- Ice Storm (2009)** 1 client
- Flooding (2008)** 2 clients
- Hurricane Ike (2008)** 2 clients
- Hurricane Gustav (2008)** 1 client
- Hurricane Katrina (2005)** 2 clients
- Hurricane Wilma (2005)** 1 client

Waterways Debris Removal

No other firm in the United States has monitored more projects to remove physical and environmental hazards and debris from navigable and non-navigable waterways than Tetra Tech. From large vessel and lobster trap removal programs in the Florida Keys following a series of hurricanes to assisting local and state agencies along the northern Gulf Coast with response and recovery efforts for the BP oil spill to cleaning dozens of miles of ditches in Calcasieu Parish, Louisiana following Hurricane Laura – Tetra Tech has comprehensive experience in planning and executing complex waterway and drainage system debris removal programs.

Tetra Tech can provide comprehensive services for waterway and drainage system debris removal programs including assisting with documenting maintenance programs, determination of legal responsibility and scope eligibility, performing post-disaster damage assessment (including drone surveys), managing right of entry/access programs, and field monitoring and storage site management. We have comprehensive expertise in documenting navigable and non-navigable debris removal programs funded by numerous agencies including FEMA, the Natural Resource Conservation Service (NRCS), U.S. Army Corps of Engineers, and state agency programs. Specific waterway and drainage system debris removal programs executed by Tetra Tech include:

Derelict Vessel Programs

- Escambia County, Florida (Hurricane Ivan)
- Monroe County, Florida (Hurricanes Katrina, Gustav, Ike, and Wilma)
- New Jersey Department of Environmental Protection (Hurricane Sandy)
- Florida Department of Environmental Protection (Hurricanes Michael, Matthew, and Irma)

Waterway Debris Removal Programs

- Florida Department of Environmental Protection (Hurricane Idalia)
- City of Cape Coral, Florida (Hurricane Ian)
- Bay County, Florida (Hurricane Michael)
- Brevard County, Florida (Hurricane Matthew)
- Monroe County, FL (Hurricanes Katrina, Gustav, Ike, and Wilma)
- Beaufort County, SC (Hurricane Matthew)

Ditch and Drainage System Debris Removal Programs

- Collier County, FL (Hurricane Ian)
- Calcasieu Parish, LA (Hurricane Laura)
- Terrebonne Parish, LA (Hurricane Gustav)
- City of Galveston, TX (Hurricane Ike)
- Harris County Flood Control District, TX (Hurricane Ike)
- Collier County, FL (Hurricane Wilma)
- Jefferson County Drainage District #7 (Hurricane Ike)
- City of Lauderdale Lakes, FL (Hurricane Wilma)

Spotlight on: Successful Waterways Debris Removal

“Upon inspection by the National Resources Conservation Service, the inspectors [surveying the Gordon River project] were impressed by the attention to detail in preserving native vegetation and avoiding the creation of erosion issues. The results accomplished along the water are near perfect... The success of the project is measured by the visible impact of the completed work. Completing the scope and only the scope must strike a balance between remediation and deferred maintenance that is inevitably a fine line. The feedback received yesterday is that the balance was well struck and that your team is managing the individual sites well. We are grateful for the efforts of your team, please keep up the great work and high standards.”

**-Pawel “Pav” Brzeski, Project Manager,
Stormwater Management, Collier County, FL**

Exhibit 5. Waterway Debris Removal following Hurricane Idalia



Beach Debris Removal and Coastal Restoration/Resiliency

For coastal communities, beaches are economic drivers that require immediate attention following a disaster. Beaches are often a primary reason why tourists visit communities; thus, getting beaches re-opened rapidly following disaster events is of paramount importance. Removing hazards, including pressure-treated wood from beach walkovers, is vital to getting beaches re-opened to the public.

Tetra Tech has a long history of supporting coastal communities in monitoring beach debris removal and sand screening/replacement operations that are eligible for reimbursement under the FEMA Public Assistance program. Stemming back to 2004 when the pristine white sand beaches of Pensacola Beach and Perdido Key in Escambia County, Florida, were ravaged by Hurricane Ivan to some of our more recent projects including supporting debris removal and trap bag installation operations for Volusia County, Florida, Tetra Tech has gained valuable experience in formulating successful beach recovery operations. Relevant examples of Tetra Tech's beach debris removal operations include:

- Escambia County, FL (Hurricanes Ivan and Dennis)
- City of Ft. Lauderdale, FL (Hurricane Wilma)
- Harrison County, MS (Hurricane Katrina)
- St. Johns County, FL (Hurricanes Matthew and Irma)
- Volusia County, FL (Hurricanes Ian and Nicole)

Tetra Tech's debris monitoring teams are supported by one of the largest coastal engineering and resiliency practices in the United States. Tetra Tech delivers innovative, nature-based solutions and structural design for coastal communities seeking climate-resilient flood risk reduction and marine habitat restoration. Our interdisciplinary team is *Leading with Science*[®] to create industry-leading design solutions for some of the most complex issues facing coastal communities and ecosystems around the world. With climate change driving sea level rise, stressing marine life, and creating more frequent and intense weather events, we support our clients with sustainable and scalable solutions to protect and restore coastal environments.

Exhibit 6. Trap Bag Installation in Volusia County, FL



Following Hurricanes Ian and Nicole, Tetra Tech supported Volusia County, Florida, in monitoring debris removal from County-maintained beaches and installing Trap Bags to provide shoreline protection to improved public and private property. Due to these disasters, Florida's coastline suffered the loss of sand and, therefore, much needed elevation. These Trap Bags are a temporary solution to protect beachfront properties before another storm hits the coast as the County continues to work on resiliency projects.

Vessel and Vehicle Recovery

Tetra Tech is able to assist the City in documenting the locations and quantities of vessel and vehicle debris in the City and presenting a case to FEMA to approve and fund the program. The City must first show that they have a legal responsibility to remove the debris and that the debris is not the responsibility of another state or federal agency such as the USACE or the NRCS. Vessel and vehicle debris on private land may present unique ingress/egress challenges and require ROE agreements for access.

Tetra Tech has monitored vessel recovery for several clients, including:

- NJDEP – Hurricane Sandy | 80 vessels
- Escambia County, FL and Monroe County, FL (Florida Keys) – Hurricane Wilma | 450 vessels
- Beaufort County, SC – Hurricane Matthew | 50+ vessels
- FDEP – Hurricanes Matthew, Michael, and Irma | 64 vessels
- Miami-Dade County, FL – Surfside Condo Collapse | 100 vehicles

Leaning Trees, Hanging Limbs, and Stump Removal

Tetra Tech offers expertise in reimbursement for the removal of leaning trees, hanging limbs, and stumps. Our team has extensive experience helping communities avoid the de-obligation of funds or non-reimbursement for these activities due to ineligible work. In 2020, our team monitored the removal and disposal of nearly 200,000 hazardous trees and hangers following consecutive Hurricanes Laura, Sally, Delta, and Zeta.

3.2 million



HAZARDOUS TREES, LIMBS, AND STUMPS REMOVED



2,553,151
HANGING LIMBS



554,086
HAZARDOUS TREES



1,328
STUMPS

FEATURED EVENTS

| | |
|------------------------------------|-------------------------------|
| City of Austin Winter Storm (2023) | 10,364 Limbs 598 Trees |
| Hurricane Ian (2022) | 95,099 Limbs 16,253 Trees |
| CA Wildfires (2015 - 2022) | 3,777 Limbs 246,140 Trees |
| Hurricane Ida (2021) | 79,469 Limbs 3,144 Trees |
| Hurricane Sally (2020) | 43,692 Limbs 5,888 Trees |
| Hurricane Laura (2020) | 120,198 Limbs 13,160 Trees |
| Hurricane Zeta (2020) | 34,245 Limbs 4,902 Trees |
| Hurricane Michael (2018) | 27,562 Limbs 9,949 Trees |
| Hurricane Florence (2018) | 14,609 Limbs 259 Trees |
| Hurricane Irma (2017) | 316,108 Limbs 94,030 Stumps |
| Hurricane Matthew (2016) | 183,214 Limbs 12,769 Trees |
| Winter Storm Alfred (2011) | 84,135 Limbs 12,355 Trees |
| Hurricane Ike (2008) | 364,860 Limbs 29,489 Trees |
| Midwest Winter Storm (2007) | 99,382 Limbs 2,682 Trees |

Hazardous Material Removal

Major disasters, particularly those that involve significant flooding, will result in the need to address hazardous materials. Typically, the U.S. Environmental Protection Agency (EPA) is responsible for identifying and removing large quantities of household hazardous waste (HHW) (containers over 5 gallons such as large commercial/industrial storage tanks, propane tanks, 55-gallon drums, etc.). Local governments are charged with implementing collection programs for HHW, including but not limited to containers with paints, pesticides, household cleaners, oils/solvents, and fuels. Our team has broad experience helping local governments plan, procure, implement, and track disaster-related HHW collection programs at curbside or drop-off locations. Following Hurricane Ike, a storm surge covered almost all of Galveston Island, Texas. Our team helped the City of Galveston implement one of the largest post-disaster HHW programs in U.S. history, in addition to working cooperatively with the EPA on large quantity HHW recovery.

Data Management

Tetra Tech minimizes client costs and maintains consistent visibility of debris project operations by implementing our streamlined processes and utilizing our *RecoveryTrac*™ ADMS. *RecoveryTrac*™ ADMS is a scalable and fully featured disaster management application designed specifically to address the operational challenges faced during a disaster recovery project. Managing the enormous volume of documentation generated during a debris monitoring operation was paramount to the design of our ADMS. **This state-of-the-art technology has already shown to increase the efficiency and improve the management of debris removal efforts for hundreds of clients.**

Experience Defending Client's Interests During an Audit

A representative example of past clients we have supported during dispute resolution includes, but is not limited to:

- Our team is currently retained by the Louisiana Governor's Office of Homeland Security and Emergency Preparedness (GOHSEP) to assist on hundreds of appeals related to 11 disasters dating back to Hurricane Katrina in 2005.
- Our team is currently working with FEMA's new VAYGo process for clients in Texas such as Fort Bend County and the City of Houston along with the Commonwealth of Puerto Rico.
- During our work with the State of Vermont, Tetra Tech worked on five (5) appeals for PWs related to Tropical Storm Irene. As a result, four appeals were overturned, and one appeal upheld.
- During our work with the Port of Galveston, our team has been involved in appeals related to storm-induced erosion and 705(c) claims. At this time, we have been successful on the appeals, with many remaining to be decided by FEMA region during first appeal.
- Our team supported the successful appeal of over \$400,000 of previously deobligated funds in response to the 2004 Hurricanes Charley, Frances, and Jeanne for Lake County, Florida. These funds were associated with debris collected on private roads and gated communities. Our team did a comprehensive GIS analysis of the debris collected in question and was able to appeal the decision and obtain reimbursement from FEMA.

Tab 2 – Staff Qualification and Experience

A. Proposed Team

Tetra Tech has assembled a team of debris removal monitoring experts with direct experience responding to recent disasters. **Our dedicated project management team is deeply familiar with the policies, procedures, and requirements associated with delivering successful disaster debris monitoring services.**

Our staff members have **managed the removal of and reimbursement for over 179 million cubic yards (CYs) of debris as well as the demolition of over 22,000 uninhabitable residential and commercial structures.** Our team has monitored and obtained FEMA, FHWA, and NRCS reimbursement on over 30 debris removal projects in excess of 1 million CYs of debris and understands the significant resource commitment and effort that is necessary to manage and monitor large-scale debris removal operations for local governments.

Our record of success includes serving over 300 state and local government clients in response to over 90 presidential disaster declarations over the last decade. Our team has obtained **over \$50 billion in reimbursement funds** for our clients from federal agencies.

Tetra Tech is committed to providing the City an experienced project manager and consistent project management team that will expedite recovery efforts by establishing a coordinated and organized approach to debris removal. Our dedicated team is available to the City 365 days per year.

Tetra Tech has assembled a project team with the qualifications and expertise necessary to support the City following a disaster. The individuals selected for this project not only have national expertise from having worked on every major disaster in the past decade, but also have **hands-on experience working on prior (or current) Florida-based projects.** As a result, our staff has an in-depth understanding of how disaster response and recovery works in the Sunshine State.

Senior Management and Advisory Team

Our senior management and advisory team will provide expert oversight and assistance at critical junctures. This team is prepared to provide both tactical and strategic guidance for the duration of any disaster recovery operation. These individuals bring decades of disaster debris monitoring and reimbursement expertise. **Résumés for project management and advisory staff have been provided at the end of this section.**



Mr. Burgiel, President and Senior Advisor. As business unit president of Tetra Tech Disaster Recovery, Mr. Burgiel provides executive-level oversight to **help our team meet the City's needs and expectations and serves as an executive sponsor to overcome challenges faced in operation.** Mr. Burgiel's disaster-related work has included serving as principal in charge of over 100 projects and helping clients throughout the country prepare for, respond to, and recover from natural and human-caused disasters. Mr. Burgiel has overseen operations for teams in communities in Puerto Rico (Hurricane Maria); Miami-Dade County and the City of Miami (Hurricane Irma); Richland County, South Carolina (Historic 1,000 Flooding Event); the New Jersey Department of Environmental Protection (NJDEP) (Hurricane Sandy); State of Connecticut (Hurricane Sandy); State of

Louisiana (Hurricane Isaac); City of New Orleans, LA (Hurricane Katrina Residential Demolition Program); and Harris County, Texas (Hurricane Ike), to name a few.



Mr. Chuck McLendon, Deputy Business Unit Leader, has provided consulting engineering services to federal, state, and local governments across the U.S. for more than 30 years. His extensive experience in solid and hazardous waste management has propelled him to the forefront of national expertise in executing extensive post-disaster debris removal initiatives. He leads large teams to support major infrastructure and emergency response efforts, including to Miami-Dade County’s response to the Surfside condo collapse in 2021. Mr. McLendon has served as principal in charge for upwards of 30 major disaster activations, including projects totaling more than 150 million CYs of debris and approximately \$2.5 billion in FEMA PA reimbursement. He lends this expert-level insight to help overcome any obstacles the City may encounter in recovery.



Ms. Allison McLeary, Esq., Senior Policy Advisor, will apply her program administration and policy expertise to facilitate procedural and data compliance with FEMA requirements. Ms. McLeary is an Attorney and experienced emergency response and recovery executive with a demonstrated history of building meaningful relationships across all levels of government. As the former Recovery Bureau Chief of FDEM, Allison McLeary understands the points of friction many PA grant projects can encounter through the submittal and review process. She will advocate for the City’s projects and help to ensure the City’s priorities are addressed.

Project Field Operations Team

Tetra Tech has identified a team of field staff to support the City. We have selected team members who have previous experience in similar operations. Brief summaries of each team member’s experience are provided below. [Résumés for project field operations staff have been provided at the end of this section.](#)

| Proposed Staff | Summary of Qualifications | Key Areas of Expertise |
|---|--|--|
| Frank Guthman Project Manager | Frank Guthman is a Civil Engineer and regional project manager for Tetra Tech. He has supported a wide range of disaster recovery, land development, and improvement projects for public and private clients. He has managed large program and debris monitoring projects, ensuring FEMA compliance of the PA and policy guidelines. As such, he has developed an extensive understanding of federal, state, and local regulations, protocols, processes, and guidance with respect to homeland security response, and recovery. Frank served as project manager for the City of Lake Charles, Louisiana, following Hurricanes Laura and Delta, which accounted for the removal of more than 4 million CYs of debris. Additional tasks have included providing construction | <ul style="list-style-type: none"> • Project Management • FEMA PA • Civil Engineering • Disaster Recovery • Debris Monitoring • Compliance |

| | | |
|---|--|--|
| | phase services, Resident Engineering duties, grading, drainage, utility design and site layout. | |
| Brendy Gordon Operations Manager | Brendy Gordon is a logistics and administrative specialist with over 6 years of disaster recovery experience. Brendy has responded to communities in California, Florida, Georgia, Iowa, and Texas following hurricanes, fires, and severe storms. In the field, she is responsible for coordinating the scheduling of monitoring personnel and resolving personnel-related issues. She has experience with truck certification, load ticket quality control, and immediate on-site support. Additionally, Brendy has provided public outreach support and data management. | <ul style="list-style-type: none"> • Private Property Debris Removal • Field Operations and Logistics • Monitor Training • QA/QC • Scheduling and Dispatch • Truck Certification • Automated Debris Management Systems (ADMS) |
| Brandon Beale Field Supervisor | Brandon Beale is an operations manager with approximately five years of debris operations experience. His areas of expertise include disposal site management, documentation management, quality assurance/quality control (QA/QC), as well as overseeing and training field monitors. He has supported multiple hurricane and wildfire projects providing program management and monitoring services. | <ul style="list-style-type: none"> • Debris Monitoring Training • Disposal Operations • Field Operations |
| Geoff Reinhart Billing/Invoice Analyst | Geoff Reinhart is an experienced CPA with both public and private sector experience. As a billing and invoice analyst at Tetra Tech, Geoff is responsible for reconciling contractor invoices and performing quality control on data to ensure that all FEMA guidelines for debris removal monitoring are successfully fulfilled. Most recently, Geoff has been providing billing and invoicing analysis services to all Tetra Tech's projects related to Hurricane Ian. Following the disaster, Tetra Tech was activated by more than 40 clients. Geoff has been performing cost/budget and margin analyses and reviewing invoices and accruals. | <ul style="list-style-type: none"> • Accounting • Fixed Assets • Oracle • Peoplesoft |
| Casey Ogden GIS Analyst | Casey Ogden has more than 20 years of experience in Geographic Information Systems (GIS), with experience with the ESRI suite of products. He holds a Master's degree from Florida State University with a Certificate of Emergency Management, as well as, a Bachelor's Degree from Louisiana State University in the field of Geography. As the geospatial applications manager, Casey manages a team of five GIS personnel and is responsible for developing GIS applications that are efficient, accurate, and cutting-edge. | <ul style="list-style-type: none"> • GIS Programming • ESRI Enterprise Geodatabase and Services • GNSS Survey Grade Data Collection • ArcGIS Pro / ArcMap Operation and Support • ArcGIS Server and AGOL Administration |
| Ricardo Bosques Data Manager | Ricardo Bosques is a data and automated debris management system (ADMS) technology specialist for Tetra Tech, where his understanding of Federal Emergency Management Agency (FEMA) eligibility and documentation requirements for public assistance debris removal programs have aided him in quality control and oversight of multiple projects. Ricardo is responsible for the implementation of Tetra Tech's <i>RecoveryTrac</i> ™ ADMS technology as well as oversight | <ul style="list-style-type: none"> • Disaster Debris Management • Data Collection, Utilization, and Validation • Data Management • Report designs • Reimbursement Policies and Procedures |

and management of field data managers and invoice analysts. He supports the implementation of ADMS in the field, as well as establishing quality assurance and project reporting standards for disaster debris monitoring operations. Ricardo has focused on providing complete auditable datasets that maximize reimbursement and are project worksheet ready.

- Public Relations
- Invoice Reconciliation

Kerri O'Dell
Debris
Management
Contractor

Kerri O'Dell serves as high-level project and financial manager for Tetra Tech and possesses nearly two decades of disaster response and recovery, as well as disaster preparedness and emergency planning experience. Kerri excels in delivering projects on time and within budget. She has assisted numerous local, state and private sector businesses in providing disaster debris monitoring services, including mobilizing support teams; assisting with staging operations; and managing the scheduling, dispatching and logistics operations of debris cleanup for some of the nation's worst natural disasters.

- Project Management
- Financial Management
- FEMA Compliance Monitoring and Oversight
- Auditing
- Recovery Planning
- Disaster Response and Recovery Operations
- Disaster Management Planning

Scalability and Additional Resources

Our scalable disaster recovery operations are staffed by a deep bench of experienced disaster recovery professionals that includes:

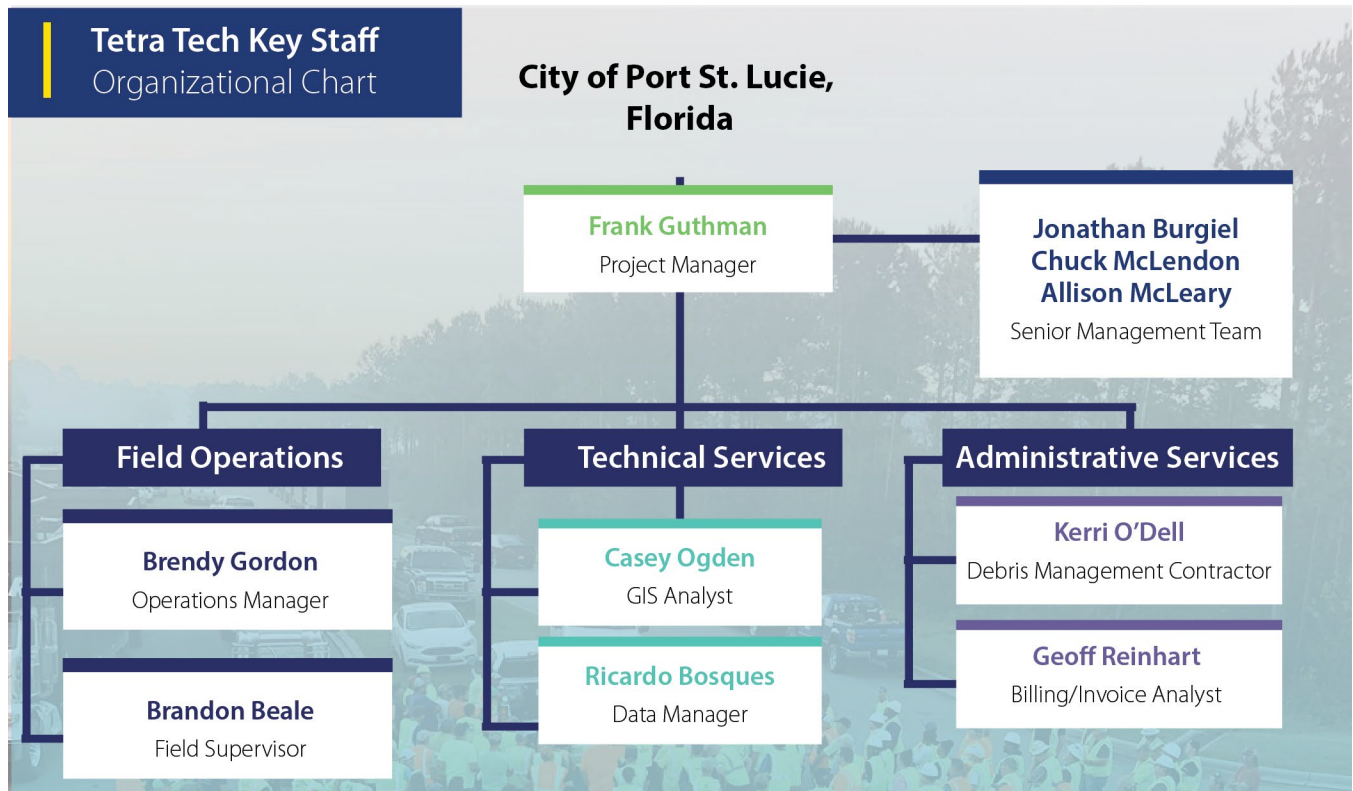


This core team provides management and oversight to our disaster response and recovery operations. They are seasoned experts in their field, with experience managing disaster recovery projects in response to hurricanes, floods, tornadoes, fires, ice storms, and straight-line wind events in 20 states and simultaneous activations in nine states.

While the Tetra Tech senior management team has worked together for more than 15 years, the firm also frequently welcomes new talent to meet client needs. Positions will be filled using Tetra Tech's vast network of disaster recovery professionals, including full-time employees and local hires.

Organizational Chart

The proposed organization structure is based on industry best practices and an understanding of geography and the distinct management responsibilities of each position. Our proposed organizational structure ensures orderly communication, distribution of information, effective coordination of activities, and accountability. Tetra Tech's project team can scale as needed, coordinate response, establish common processes for planning and managing resources, and adapt organizational structure to match the needs and complexities of projects. The Supervising Monitor will be responsible for the following duties that include but are not limited to: data management, invoice reconciliation [Résumés have been included at the end of this section.](#)



Incident Command Structure

Tetra Tech's emergency management professionals, many of whom are certified ICS instructors, provide guidance to our disaster recovery staff on how to effectively organize and respond to disasters. Our debris project managers have spent many hours in emergency operations centers across the country and understand how ICS works at the local and state level. Our debris project managers know how to apply IC-100, 200, 700, and 800 training in the field.

We understand the value ICS has in organizing for disasters, so we strive to implement these principles into our business processes. Per ICS, during disaster response operations, our structure includes an incident commander and section chiefs for operations, logistics, action planning, and finance and administration. We establish twice daily calls using Microsoft Teams with the incident command team and section chiefs to establish our incident action plan, identify resources needs, and plan for any deficiencies. We have a dedicated health and safety officer who oversees the operation and coordinates with health and safety personnel at each project location.

Staffing Numbers

Tetra Tech will comply with the City's staffing requirements and coordinate with the City and the debris removal contractor's project manager to estimate the number of field monitors that will be required for the following day. To be responsive and mitigate overstaffing, Tetra Tech requests that the debris removal contractor release the next day's schedule by 5 p.m. so that our project manager can dispatch the appropriate number of field monitors.

B. Employees meet the training and standardized organizational structures

Tetra Tech remains abreast of the latest guidance, issues being debated, and current best practices through participation in expert groups, attendance in training and conference sessions, and working with national experts in disaster recovery operations, emergency management, national security, information technology, public health, transportation, and critical infrastructure protection. **Our proposed team possesses key certifications that help them provide quality technical services and have attended numerous training courses related to debris operations and emergency management.**

Some of these include:

- Occupational Safety and Health Administration (OSHA) Disaster Site Worker Course
- OSHA 10-Hour Construction Safety Certification
- OSHA 40-Hour HAZWOPER Certification
- G-202: Debris Management
- IS 100: Introduction to Incident Command System
- IS-120: Introduction to Exercises
- IS 191: ICS/EOC Interface
- IS-200: Basic Incident Command
- IS 242: Effective Communication
- IS-288: Local Volunteer and Donations Management
- IS-230: Fundamentals of Emergency Management
- IS-547: Introduction to Continuity of Operations (COOP)
- IS-631: Public Assistance Operations I
- IS-632: Introduction to Debris Operations
- IS-634: Introduction to FEMA's Public Assistance Program
- IS-700: National Incident Management System
- IS-800: National Response Program
- ICS 300: Intermediate ICS for Expanding Incidents
- Intermediate Workzone Traffic Control (FDOT)

Additionally, all collection and disposal monitors and field supervisors must attend a debris monitoring training session prior to working. In addition, our environmental health and safety training program helps our business operate in a manner that protects the health and safety of our employees, customers, business partners, community neighbors, and the environment. Our field teams attend daily safety sessions with field employees to discuss potential hazards and review safe work practices.



30+ YEARS OF EXPERIENCE

100+ PROJECTS

\$8B GRANT FUNDING

Areas of Expertise

Disaster Recovery Program Design and Management

Federal Grant Management

Solid and Hazardous Waste Management

Grant Experience

FEMA PA

CDBG-DR

HMGP

Disasters

4337 FL HURRICANE IRMA
 4332 TX HURRICANE HARVEY
 4286 SC HURRICANE MATTHEW
 4344 CA WILDFIRES
 4084 HURRICANE ISAAC
 4029 TX WILDFIRES
 4024 HURRICANE IRENE
 4106 CT WINTER STORM
 1791 HURRICANE IKE
 1679 FL TORNADOS
 1602 HURRICANE KATRINA
 1539 HURRICANE CHARLEY
 & SEVERAL MORE

Education

University of Central Florida, Master of Business Administration, 1989

Tufts University, Bachelor of Arts, Economics, 1984

EXPERIENCE SUMMARY

As President of Tetra Tech's Disaster Recovery Business Unit, Mr. Jonathan Burgiel manages the business operations of all disaster recovery efforts, including preparedness planning, project staffing, logistics, grant administration and agency reimbursement support, program accounting/auditing oversight, and contract negotiations. Jonathan is dedicated to helping communities plan for and recover from disasters and provide the necessary documentation to receive the maximum allowable reimbursement from federal and state emergency management agencies.

Jonathan has 30+ years of solid waste and disaster recovery experience. His disaster-related work has included serving as principal in charge of over 100 projects, helping clients throughout the country prepare for, respond to, and recover from natural and human-caused disasters.

Jonathan is intimately familiar with local, state, and federal solid waste and hazardous waste regulations, as well as U.S. Department of Housing and Urban Development (HUD), Federal Emergency Management Agency (FEMA), and Federal Highway Administration (FHWA) policies and reimbursement procedures as they relate to disaster management and recovery.

RELEVANT EXPERIENCE

Jonathan has provided senior management oversight to the following projects:

- 30 communities and over 1,500 staff in Florida – Hurricane Ian
- Rental and Mortgage Assistance - rental assistance to 120,000 homeowners across 5 states, and mortgage assistance in Florida and Maryland resulting from COVID pandemic
- Hurricane Maria debris mission supporting the Commonwealth of Puerto Rico Department of Transportation, comprehensive support including environmental; grant management; homeowner and infrastructure support w/HUD funding
- 67 communities and over 2,400 staff in Florida – Hurricane Irma
- 38 communities and over 1,400 staff in Texas – Hurricane Harvey
- CalRecycle/CalOES - State of California Camp Fire Response
- Multiple communities in South and North Carolina – Hurricane Matthew
- Richland County & Lexington County, South Carolina - South Carolina 1,000-year Flooding Event - Comprehensive Disaster Recovery Services
- Hays County/City of Wimberley, Texas – Severe Flooding Disaster Recovery Assistance
- New Jersey Department of Environmental Protection (NJDEP) – Hurricane Sandy Disaster Vessel Recovery Program
- State of Connecticut – Hurricane Sandy Disaster Debris Program
- State of Louisiana – Hurricane Isaac Disaster Debris Program Management
- City of New Orleans, Louisiana – Hurricane Katrina Residential Demolitions
- Bastrop County, Texas – Wildfires
- City of Cedar Rapids, Iowa – Severe Flooding

Principal in Charge (2018 - Present)

Camp Fire Response

Jonathan is responsible for oversight of debris and environmental work related to the hazardous material removal of over 12,000 parcels located in the County of Butte. This is possibly the largest debris operation in history.

Principal in Charge (2017)

Numerous Florida Jurisdictions | Hurricane Irma

Following Hurricane Irma in September of 2017, Jonathan oversaw debris monitoring operations for over 67 communities and 2,400 personnel across Florida. This included Miami Dade County, where at peak Tetra Tech had nearly 900 monitors working in the field. Documentation was created for almost 110,000 load tickets and over 78,000 unit rate tickets. In total, Tetra Tech monitored over 4,000,000 cubic yards of debris for the County.

Principal in Charge (October 2019 - Present)

St. Johns County, Florida | HUD CDBG-DR Housing Rehabilitation Program Management

Jonathan was engaged with the County immediately following contract execution to assist with managing the CDBG-DR funds for St. John's Housing Rehabilitation and Reconstruction Program. To support the long-term recovery and restoration of the impacted areas, Jonathan managed the grant allocated to the recovery activities for over 300 properties including repair and elevation; reconstruction of properties, repair/replacement of damaged manufactured homes or mobile home units (MHUs), relocation of homeowners, and mortgage payment assistance.

Principal in Charge (October 2018 – Present)

North Carolina Department of Public Safety | Hurricane Matthew HUD CDBG-DR Program Management

Serving as Principal-in-Charge for all environmental services for this \$400 million CDBG-DR program addressing 3,400 homes for rehabilitation. Tetra Tech will be performing an estimated 3,400 Tier 2 Reviews, 25 Tier 1 Reviews, 1,700 lead and asbestos risk assessments, and other required specialized environmental services (e.g., CESTs, EAs, etc.) as subcontractor to IEM Inc.

Principal in Charge (November 2018 – Present)

Florida Department of Economic Opportunity | HUD CBDG-DR Rehab/Reconstruction Program

Jonathan serves as program manager for Tetra Tech's performance of housing rehabilitation and reconstruction related environmental services associated with the State of Florida's \$615.9 million HUD CDBG-DR grant associated with Hurricane Irma.

- Overseeing Tetra Tech staff's development of approximately 6,000 Tier 2s.
- 3,000 lead risk assessments.
- Review of 8 Tier 1s, and other specialized environmental services (e.g., CESTs, EAs, etc.) as a subcontractor to IEM, Inc.

Senior Project Manager (June 2017 – Present)

Restore Louisiana | HUD CDBG-DR Housing Rehabilitation

Served as Project Manager over the preparation of over 25,500 Tier 2 environmental reviews and over 6,000 lead risk assessment and clearance inspections. This \$20 million project performed by Tetra Tech utilized state of the art technology and cloud based technology to decrease the cost of performing a Tier 2 review by over 50% from prior state led residential rehab projects.

Principal in Charge (October 2018 – Present)

Texas General Land Office | HUD CBDG-DR Housing Rehab/Reconstruction Program

Jonathan is currently serving as program manager for Tetra Tech's performance of housing rehab and reconstruction related environmental services associated with the State of Texas' \$5.024 billion HUD CDBG-DR grant associated with Hurricane Harvey. Overseeing Tetra Tech staff's development of approximately 3,500 Tier 2s, 1,700 lead risk assessments, and other specialized environmental services (CESTs, EAs, etc.) as a subcontractor to IEM, Inc.

Principal-in-Charge (October 2015–Present)

Richland County South Carolina | Comprehensive Post-Disaster Flood Support Services

Following the State of South Carolina's 1,000-year flooding event that took place from October 1–5, 2015, Jonathan led a team of Tetra Tech staff to provide comprehensive disaster recovery services to Richland County immediately following the historic flooding event. Services included but were not limited to FEMA PA reimbursement support, procurement package development for over 270 road and bridge repairs, well testing and disinfection program management, a post-disaster outstanding needs assessment, flood mitigation planning support, grant funding strategic plan development, and coordination and technical support activities among the County, State and FEMA agencies.

Principal-in-Charge (October 2015–October 2016)

Lexington County, South Carolina | HUD CDBG-DR Residential Buyout Programs

Jonathan served as principal-in-charge of Lexington County's residential buyout programs funded by HUD CDBG-DR grant funds. As part of this effort, Tetra Tech is providing comprehensive housing buyout activity services including applicant outreach, buy-out packet preparation and demolition cost estimating, oversight of demolition contractor activities, payment recommendation and project close out on over 100 homes. The work involves management of over \$16 million of HUD CDBG-DR grants.

Principal-in-Charge (May 2015–October 2015)

Hays County/City of Wimberley Texas | Post-Disaster Flood Support Services

Following the historic flooding event along the Blanco River where over 20 people perished, Jonathan provided technical support in the Hays County, Texas Emergency Operations Center (EOC) during and immediately following the flooding disaster. As part of these services, Jonathan supported the County and City of Wimberley in providing expert technical advice associated with providing the County/City appropriate measure for responding to the event and methods for best tracking the County's disaster-related costs to maximize the County's/City's FEMA reimbursement post-disaster. Jonathan was instrumental in standing up the County right-of-way debris removal program and subsequently obtaining approval for a private property debris removal (PPDR) program from FEMA to cover the extensive debris that remained along and in the Blanco River, which created a future health and safety hazard to the County and City.

Senior Management (April 2012-May 2013)

State of Vermont | Federal Grant Management Services

Following Hurricane Irene, the State of Vermont faced the daunting task of maintaining critical operations. Under Jonathan's direction, within 48 hours our team deployed a team of experts to the state emergency operations center (EOC). Jonathan and our grant management team provided consulting services and managed the recovery process. Our team collected, reviewed, and offered technical assistance to applicants on their Hazard Mitigation Grant Program (HMGP) applications.

Senior Management (September 2008-January 2009)

Harris County, Texas | Hurricane Ike Disaster Debris Program Management

In 2008, Hurricane Ike made landfall in Texas, causing extensive damage to Harris County, the fourth largest county in the United States. Jonathan rode out the storm in Harris County's EOC and assisted with the deployment of our response team following the storm. Our team assisted with monitoring and cost reimbursement for over 2.5 million cubic yards of debris from the public right-of-way (ROW) in response to Hurricane Ike.

Senior Management (September 2004-September 2009)

City of Orlando, Florida | Disaster Debris Program Management

Jonathan served in a senior leadership role and assisted the City of Orlando with a range of storm recovery monitoring and management activities. Jonathan was responsible for managing a full support team involved with staging operations, load inspections for storm debris cleanup performed by contract haulers, scheduling, dispatching, and logistics operations for the field inspectors assigned to storm debris cleanup. Our team's assistance enabled the City of Orlando to promptly apply for and receive reimbursement for the total cleanup cost from state and federal emergency management agencies.



33+ YEARS OF EXPERIENCE

125M CYS OF DEBRIS

\$3B FEMA PA REIMBURSEMENT

Areas of Expertise

Solid and Hazardous Waste Management
 Disaster Debris Monitoring
 Solid Waste Routing and Efficiency
 Private Property Debris Removal
 Emergency Management
 Damage Assessment
 Utility Engineering/Consulting
 Cost of Service Evaluations
 Program Management
 Public Outreach/Communications
 Procurement (2CFR)
 Environmental Permitting
 Grant Management

Disasters

DR 4734, Hurricane Idalia
 DR4673, Hurricane Ian
 DR4564FL, Hurricane Sally
 DR-4559LA, Hurricane Laura
 DR-4393NC, Hurricane Florence
 DR 4337FL, Hurricane Irma
 DR-4283FL, Hurricane Matthew
 DR-4241SC, Severe Flooding
 DR-4138FL, Severe Flooding
 DR-1971AL, Tornado Outbreak
 DR-4024VA, Hurricane Irene
 DR-1603LA, Hurricane Katrina
 BP Deepwater Horizon Oil Spill

Education

Florida State University, Bachelor of Science, Business Marketing

EXPERIENCE SUMMARY

Mr. Chuck McLendon serves as the Deputy Business Unit Leader for Tetra Tech’s Emergency Management practice area and has been providing consulting engineering services to federal, state, and local governments across the U.S. for more than 30 years. He provides overarching management support for Tetra Tech activations across the globe. His background in solid and hazardous waste management has led him to become one of the leading experts in the country on the implementation of large-scale post-disaster debris removal programs. He has routinely assembled large teams to support major infrastructure and emergency response efforts. Career highlights include:

- Experienced Executive Program Manager with over 33 years of experience working with federal, state, and local government agencies on the finance, design, permitting, procurement, construction, and operations of major infrastructure projects.
- Served as Principal in Charge for upwards of 30 major disaster activations including projects totaling more than 125 million cubic yards of debris and upwards of \$3 billion in FEMA PA reimbursement.
- Major experience in the legal substantiation and implementation of complex debris removal programs including PPDR, waterways, beaches, selective salvage, etc.
- In depth knowledge of the FEMA Public Assistance program including a strong understanding of Federal Register 2 CFR Part 200 (“the Super Circular”)

RELEVANT EXPERIENCE

Hurricane Idalia (2023)

Florida Department of Environmental Protection

Chuck provided supervisory support to Tetra Tech’s activation by the FDEP following Hurricane Idalia’s impact on the Big Bend area of Florida. Chuck ensured that Tetra Tech deployed all required resources to support the FDEP in removing debris from numerous state maintained waterways including the Suwannee River as well as several State parks.

Hurricanes Ian and Nicole (2022)

Numerous Florida Jurisdictions

Following Hurricanes Ian and Nicole, Chuck served as regional program manager supporting over 15 Tetra Tech clients – including Orange County, Volusia County, Seminole County, and the Florida Park Service - in standing up and operating debris removal programs. Chuck served as a senior subject matter expert and assisted Tetra Tech’s clients and project managers in maintaining FEMA-compliant programs and resolving various challenging issues.

Surfside Condominium Collapse (2021)

Miami-Dade County, Florida

The collapse of the twelve story Champlain Towers South condominium was a high-profile, catastrophic event. Chuck served as Principal in Charge for Tetra Tech to Miami-Dade County following the collapse on June 24, 2021. Chuck was on the ground at the collapse site within hours of the building collapse and County activation in order to assess the resources needed to assist the County with emergency debris removal. Over the next several days, he assisted the County with contractor procurement efforts in addition to developing and executing a plan to monitor debris removal both from a FEMA reimbursement and evidentiary debris removal perspective.

Hurricane Sally (2020)

City of Pensacola, FL and Okaloosa County, FL

The City of Pensacola and Okaloosa County, FL have been long-standing clients of Chuck. Following the impact of Hurricane Sally, Chuck provided senior advisory services to include explanations of the FEMA Category A program as well as procurement assistance. Chuck has also provided senior level oversight to ensure that our response crews are meeting client expectations.

Hurricane Laura (2020)

Calcasieu Parish, LA

Chuck mobilized immediately to the Lake Charles, LA area in the aftermath of Category 4 Hurricane Laura. He facilitated the initial kick-off meeting with the Parish and debris contractor and developed an immediate staffing and logistics plan for the Parish. He worked closely with our on-site project manager and senior staff from the debris contractor to ensure that emergency roadway clearance (push) crews were dispatched with their work times and locations tracked. Chuck worked throughout the project with Tetra Tech project management staff to ensure that all of the parish's needs met.

Hurricane Florence (2018)

Boiling Spring Lakes, NC and Briarcliff Acres, SC

Following Hurricane Florence, Chuck provided disaster debris monitoring and FEMA grant management related services to the City of Boiling Spring Lakes, NC and the Town of Briarcliffe Acres, SC (through a contract with the Horry County Solid Waste Authority). Monitoring work including debris management site permitting, right of way collection, hazardous tree removal, and household hazardous waste collection.

Hurricane Irma (2017)

Numerous Central Florida Jurisdictions

Following Hurricane Irma in September of 2017, Chuck provided senior oversight of debris monitoring operations across seven counties – including Seminole, Lake, and Volusia counties in Central Florida. Chuck was responsible for assembling project management and support teams to include policy and field operations expertise. In total, he oversaw a team of over 1,000 personnel that accounted for nearly 6 million cubic yards of debris removal. This work included implementation and tracking of Private Property Debris Removal (PPDR) programs within each of the seven counties managed.

Severe Flooding (2017)

South Carolina Emergency Management Division

Chuck was retained by the SCEMD to serve as a Senior FEMA PA Policy Advisor in support of project worksheet formulation for the October 2015 flooding event that impacted much of central South Carolina. Chuck oversaw a team of Project Specialists in drafting and versioning project worksheets.

Hurricane Matthew (2016)

St. Johns and Flagler Counties, Florida

Chuck served as Principal in Charge for the debris monitoring mission in St. Johns County and Flagler County, Florida following Hurricane Matthew. Chuck oversaw the removal of more than 1.1 million cubic yards of debris from public and private roads as well as debris removal efforts along nearly 27 miles of county-maintained beach. In addition to providing daily oversight of the debris removal mission, Chuck was regularly relied upon by County staff for policy guidance related to the County's overall recovery effort.

Severe Flooding (2015)

Clarendon County, South Carolina

Chuck provided on-site technical assistance to Clarendon County following a catastrophic flooding event in 2015. Chuck assisted the County with coordination and communications with the South Carolina National Guard in the repair of County-maintained roadways. Chuck also assisted with various procurements associated with temporary and permanent repairs while helping the County to develop a system to track materials used for roadway stabilization/repair.

Severe Flooding (2014)

Escambia County, Florida

Chuck served as the Recovery Program Manager for Escambia County, Florida following a 500-year flooding event that resulted in upwards of \$100 million in damages to Escambia County. Chuck assisted with the damage assessment documentation process, procured engineers and contractors for both temporary and permanent repairs, and helped the County Public Works Dept. with overall reimbursement efforts.

Hurricane Isaac (2012)

Jefferson Parish, Louisiana

Chuck served as Principal in Charge and Project Manager to Jefferson Parish following Hurricane Isaac in 2012. A very minor hit in comparison to Hurricane Katrina, the County still had very high expectations for a rapid debris removal program. Chuck organized a strong team that provided right of way debris removal as well as staffing at citizens convenience sites.

Northern Alabama Tornadoes Debris Monitoring (2011)

U.S. Army Corps of Engineers

Chuck served as Principal in Charge in supporting a QC team activated to support the debris management mission in Tuscaloosa, AL following the 2011 northern Alabama tornado outbreak. Chuck was essential in ensuring that the project was properly staffed with trained individuals to support the USACE mission.

Hurricane Irene (2010)

Virginia Department of Transportation

Chuck served as Principal in Charge for recovery efforts on behalf of the Hampton Roads District of the Virginia Department of Transportation following Hurricane Irene. Chuck provided senior advisory services and oversight of a team to provide FEMA PA / FHWA ER reimbursement services for the District.

Deepwater Horizon Oil Spill (2010)

Escambia and Santa Rosa Counties, Florida

Chuck provided comprehensive field environmental and reimbursement services to Escambia and Santa Rosa Counties, Florida (located in the Florida Panhandle) following the Deepwater Horizon Oil Spill. Chuck led efforts to procure containment boom contractors as well the program management of daily containment boom operations. Chuck was also responsible for implementing a large-scale training program for County staff and volunteers on OSHA's Hazardous Waste Operations and Emergency Response Standard (HAZWOPER).

Hurricane Ike (2008)

Galveston County and City of Galveston, TX

Chuck oversaw the debris removal effort for Galveston County and the City of Galveston, Texas following Hurricane Ike in 2008. Upwards of 10 million cubic yards of debris was removed County-wide under Chuck's direction. Debris removal programs included right of way, private property debris removal (PPDR), commercial debris removal, dead animal carcasses, hazardous waste, and white goods.

Hurricane Ike (2008)

Texas Department of Transportation

Chuck served as Principal in Charge for disaster recovery services to the Beaumont District of TXDOT following Hurricane Ike. Chuck oversaw a team to assist the District with debris monitoring as well as overall FEMA PA reimbursement services.



21 YEARS OF EXPERIENCE

Areas of Expertise

Disaster Response & Recovery
Grant Administration
Stafford Act Compliance
Alternative Procedures

Grant Experience

FEMA Public Assistance
CARES Act
USDA Agriculture Recovery Block Grants
HUD CDBG
ARPA

Education

Auburn University, Bachelor of Arts,
March 2000

Louisiana State University- Paul M.
Hebert Law Center, Juris Doctorate,
May 2004

Louisiana State University- Paul M.
Hebert Law Center, Bachelor of Civil
Law, May 2004

EXPERIENCE SUMMARY

Ms. Allison McLeary is an experienced emergency response and recovery executive with a demonstrated history of building meaningful relationships across all levels of government. As former Recovery Bureau Chief of the Florida Division of Emergency Management, she offers more than three years of direct experience administering grant programming throughout the State of Florida. She also served as **Recovery Counsel for the Louisiana Governor's Office of Homeland Security and Emergency Preparedness (GOHSEP)**. She is a steadfast advisor in planning for, responding to, and recovering from challenges and disasters.

RELEVANT EXPERIENCE

Director, Disaster Recovery Programs (March 2021 – Present)

Tetra Tech, Inc.

Allison serves as Director of Disaster Recovery Programs, providing policy guidance and program support. Allison is an expert in FEMA policies, building and maintaining relationships with State and FEMA representatives. She analyzes policy and provides policy guidance to clients. She supports the Tetra Tech team to build programs that align with federal expectations and comply with client/federal requirements. She maximizes operational efficiencies by analyzing individual projects with a holistic lens, leveraging best practices from Tetra Tech management operations throughout the nation. Additionally, Allison coordinates relationships with funding agencies and local partners to streamline project operations.

During Allison's tenure at Tetra Tech, she has worked on several high-profile projects, inclusive of the following:

State of Iowa

Allison is actively involved in supporting Iowa's Department of Homeland Security and Emergency Management (HSEMD) with arbitrations and appeals of FEMA Public Assistance determinations. Additionally, she has been involved in Iowa's Mitigation and Building Resilient Infrastructure and Communities (BRIC) programs as a subject matter expert. Iowa HSEMD has also contracted with Tetra Tech to facilitate an assessment of Iowa's equity and diversity in disaster management plans, policies, and procedures. The multi-phase effort is designed to improve how Iowa prepares for, responds to, and assists underserved communities and historically marginalized populations with recovering from all types of disasters. The project focuses on identifying activities to improve Iowa's emergency management process and accessibility. Tetra Tech's "Equity Assessment in Emergency Management Tool" was utilized to provide consistent assessment of the State's programs and plans.

Florida Department of Emergency Management – Water and Infrastructure Response and Recovery

In response to the devastation from Hurricane Ian in Lee County, FDEM took an active approach and utilized Tetra Tech to directly support the water utilities throughout the County. In less than four days, the whole of Tetra Tech's leadership had committed to supporting the recovery efforts in Florida, including Tetra Tech President Jill M. Hudkins. Allison served as Senior Project Manager for this project, as well as the liaison to the FDEM Director and senior leadership at the State's Emergency Operations Center. The initial scope covered the assessment of 13 County water plants and wastewater plants. Once the County witnessed the value that Tetra Tech brought to the project, the scope expanded to 48 plants throughout the County, not just the original ones that were County-owned. These 48 water and wastewater facilities were assessed for safety and operability, and service was restored within the first week to all facilities capable of receiving and pumping water. An additional 323 wastewater lift stations were assessed through these efforts.

Maui County

Tetra Tech is supporting Maui County's long-term recovery following the Maui Wildfires in 2023. Allison is serving as the program lead, overseeing operations that occur in the recovery efforts. Tetra Tech is aiding individuals throughout the County as they engage with FEMA's full suite of response and recovery programs. These efforts from Tetra Tech include repairing critical infrastructure, rebuilding housing, restoring natural resources, and supporting local businesses. Additionally, efforts encompass community services such as mental health support and emergency preparedness initiatives. Allison is also active in the collaborative planning and advocacy for policy reforms, which will be essential to enhance resilience and mitigate future wildfire risks in the State of Hawaii.

State of Connecticut

Allison supports the Tetra Tech team that is supporting the State of Connecticut's FEMA PA program. This state-level contract involves comprehensive coordination from initial assessment to closeout at the Recipient level. This includes meticulous documentation of disaster-related damages, efficient processing of grant applications, and transparent allocation of funds to eligible projects. Throughout the process, effective communication between the State, FEMA representatives, and applicants ensures smooth implementation and compliance with federal guidelines, ultimately leading to successful project completion and grant closeout.

Recovery Bureau Chief (March 2020 – February 2021)

Compliance and Appeals Officer (December 2018 – February 2020)

Florida Division of Emergency Management

- Administered all FEMA Stafford Act programs for the State of Florida (\$9.8+ Billion over 26 federally declared events under management)
- Validated and Paid through FDEM an unprecedented \$4.1 Billion in Recovery funds in the period January 2019-February 2021, including \$2.7 Billion in PA and over \$300 Million in USDA Agriculture Recovery Block Grants
- Developed and implemented the State strategy for \$1.275 Billion in CARES-Coronavirus Relief Fund payments to 55 medium and small counties. (\$1.07 Billion validated and paid June 2020-February 2021)
- Served as Alternate Governor's Authorized Representative and Deputy State Coordinating Officer for all FEMA declared events in Florida
- Created a comprehensive FEMA PA Compliance program, including risk assessments, monitoring, and technical assistance and programmatic guidance tailored to address specific compliance risks

Recovery Legal Counsel (January 2017 – November 2018)

Louisiana Governor's Office of Homeland Security and Emergency Preparedness

- Served as Recovery counsel advising on all matters of emergency management and whole community recovery, covering programs such as FEMA/Stafford Act programs and HUD-Community Development Block Grants (CDBG-DR)
- Audit liaison to US Department of Homeland Security- Office of Inspector General and FEMA
- Developed and delivered a comprehensive outreach and education technical assistance strategy to grant subrecipients in Louisiana

Frank Guthman | Project Manager

EXPERIENCE SUMMARY

Frank Guthman is a Civil Engineer and regional project manager for Tetra Tech. He has supported a wide range of disaster recovery, land development, and improvement projects for public and private clients. He has managed large program and debris monitoring projects, ensuring FEMA compliance of the PA and policy guidelines. As such, he has developed an extensive understanding of federal, state, and local regulations, protocols, processes, and guidance with respect to homeland security response, and recovery. Frank served as project manager for the City of Lake Charles, Louisiana, following Hurricanes Laura and Delta, which accounted for the removal of more than 4 million CYs of debris. Additional tasks have included providing construction phase services, Resident Engineering duties, grading, drainage, utility design and site layout.

Frank was selected as the Project Manager for the City because of his extensive experience in managing similar projects, his management experience, and his oversight capabilities. Frank's proven track record of successfully managing and delivering projects on time and within budget will help guide the pace of this project. His adaptability and understanding of City's needs make Frank a natural choice for this role.

RELEVANT EXPERIENCE

Project Manager

Frank has provided project implementation and oversight and served as the primary point of contact for client staff, contractors, and FEMA representatives. He also oversaw operations and the hiring and training of local debris monitors, where he was deployed for project setup and to establish field operations.



8 YEARS OF EXPERIENCE

Areas of Expertise

- Project Management
- FEMA PA
- Civil Engineering
- Disaster Recovery
- Debris Monitoring
- Compliance

Key Training/Certifications

- Project Management I
- OSHA 40-Hour HAZWOPER
- OSHA 10-Hour Safety
- FAA Licensed Drone/SUAS Remote Pilot
- Xactimate 28 Level 1 Certification

Education

Roger Williams University, Bachelor of Science, Civil Engineering

| Client | Project | Dates Worked | Programs | Cys/Tons | Staff | Project Cost |
|--|-----------------------------------|----------------------|----------------------------|---------------|-------------|---------------|
| Pasco County, FL | Hurricane Idalia | 2023-Ongoing | ROW | 5,486 CYs | 8 Staff | \$132,040 |
| Collier County, FL | Hurricane Ian | October 2023-Ongoing | Waterways | 12,079 Tons | 26 Staff | \$841,315 |
| Santa Barbara, CA | Severe Winter Storms and Flooding | 2023 | Waterways | 53,075 CYs | 23 Staff | \$5,306,326 |
| DeSoto County, FL | Hurricane Ian | 2022 | NRCS Waterways | TBD | TBD | TBD |
| Orange County, FL | Hurricane Ian | 2022-2023 | ROW | 356,116 CYs | 95 Staff | \$6,528,020 |
| Collier County, FL | Hurricane Ian | 2022-2023 | ROW | 1,371,750 CYs | 206 Staff | \$28,509,413 |
| City of Lake Charles, LA | Hurricanes Laura and Delta | 2020 | ROW and ROE PPDR | 4,335,399 CYs | 340 Staff | \$88,638,870 |
| Town of New Fairfield, CT and Brookfield, CT | Macroburst Tornadoes | 2018 | ROW | 134,089 CYs | 36 Staff | \$3,338,460 |
| Collier County, FL | Hurricane Irma | 2018 | ROW and Waterways | 3,185,533 CYs | 547 Staff | \$70,050,517 |
| Miami-Dade County, FL | Hurricane Irma | 2017-2018 | ROW, Fire Rescue and Parks | 4,041,977 CYs | 1,969 Staff | \$162,530,271 |

Regional Project Manager

Frank coordinated debris removal efforts with the clients, contractors, and program managers across multiple Tetra Tech projects.

| Client | Project | Dates Worked | Programs | CYs | Staff | Project Cost |
|--|--------------------|--------------|--------------|-------------|-----------|--------------|
| Craven County and City of Havelock, NC | Hurricane Florence | 2018-2019 | ROW and PPDR | 140,382 CYs | 112 Staff | \$2,749,875 |

Debris Group Supervisor

Frank oversaw and managed all incident-related operational activities involving hazardous tree and debris removal. He was responsible for working closely with property owners and DDHTR contractors to overcome site-specific challenges and requests while ensuring satisfaction and compliance to regulations and guidelines.

| Client | Project | Dates Worked | Programs | CYs | Staff | Project Cost |
|------------|-------------------------------|--------------|----------|-------------|-----------|---------------|
| CalRecycle | Northern Branch Complex Fires | 2020-2022 | PPDR | 495,815 CYs | 314 Staff | \$249,261,377 |

Consultant/County Field Liaison

Frank coordinated cleanup activities for both private property debris removal and hazardous tree removal along the County right-of-way. In addition to coordination, Frank was the primary point of contact for property owners, DOT, and contractors to answer questions that arise in the field. Frank also assisted in troubleshooting technical issues and providing input on work practices, health and safety, and environmental considerations.

| Client | Project | Dates Worked | Programs | CYs | Staff | Project Cost |
|----------------------|--|--------------|------------|-----|-------|--------------|
| Clackamas County, OR | Oregon Wildfires and Straight-Line Winds | 2021 | Consulting | N/A | N/A | N/A |

Operations Manager

In this role, Frank was responsible for training, field supervision, scheduling, and oversight of all operational staff. Frank worked as Operations Manager for the following projects:

| Client | Project | Dates Worked | Programs | CYs | Staff | Project Cost |
|-------------------------|-----------------------------|--------------|--------------------------|---------------|-----------|--------------|
| City of Chattanooga, TN | Severe Storms and Tornadoes | 2020 | ROW | 322,200 CYs | 48 Staff | \$6,672,646 |
| City of Nashville, TN | Severe Storms and Tornadoes | 2020 | ROW | 308,949 CYs | 75 Staff | \$5,918,322 |
| City of Hilton Head, SC | Hurricane Matthew | 2016 | ROW and Drainage Program | 2,242,672 CYs | 282 Staff | \$40,698,031 |

Deputy Operations Section Chief

Frank served as a point of contact for client staff, contractors, and FEMA representatives. He oversaw all aspects of operations, including the hiring and training of local monitors. He also managed QA/QC including health and safety and field documentation. He coordinated with the contractors and the client to ensure that project objectives were met.

| Client | Project | Dates Worked | Programs | CYs/Tons | Staff | Project Cost |
|------------------|-----------|--------------|----------|----------------|-----------|-----------------|
| Butte County, CA | Camp Fire | 2019-2020 | PPDR | 3,674,813 Tons | 504 Staff | \$1,114,883,816 |

6 YEARS OF EXPERIENCE

Areas of Expertise

Private Property Debris Removal

Field Operations and Logistics

Monitor Training

QA/QC

Scheduling and Dispatch

Truck Certification

Automated Debris Management Systems (ADMS)

Education

Turner Job Corp., 2011

EXPERIENCE SUMMARY

Ms. Brendy Gordon is a logistics and administrative specialist with over 6 years of disaster recovery experience. Brendy has responded to communities in California, Florida, Georgia, Iowa, and Texas following hurricanes, fires, and severe storms. In the field, she is responsible for coordinating the scheduling of monitoring personnel and resolving personnel-related issues. She has experience with truck certification, load ticket quality control, and immediate on-site support. Additionally, Brendy has provided public outreach support and data management.

RELEVANT EXPERIENCE

Project Manager

Brendy was responsible for all day-to-day operations. She worked closely with stakeholders to track force account labor and equipment use. She was also responsible for truck certifications, disposal tower operations, and the oversight of field operations.

- Florida Department of Environmental Protection – Hurricane Idalia Parks Program (Wes Skiles Peacock Park), 2023
- USACE in Decatur County, GA – Hurricane Michael, 2018 – 2019
- Charlotte County, FL – Hurricane Irma, 2017 – 2018

Operations Manager

Brendy's job responsibilities include scheduling field monitors that were assigned to monitor and document debris removal efforts, overseeing field monitors, performing quality assurance and quality control (QA/QC) such as health and safety, and field documentation, and conducting operational dispatch. She also trained field staff on identifying and documenting hazardous tree and limb removal.

- Manatee County, FL – Hurricane Ian, 2022
- VDOT in Petersburg, VA – Ice Storms, 2021
- Allen Parish, LA – Hurricanes Laura and Delta, 2020
- Linn County, Iowa – Derecho, 2020

Debris Group Supervisor/Division Supervisor

In this role, Brendy was responsible for field supervision and QA/QC duties. She oversaw the private property debris removal programs (PPDR) and assisted with eligibility requirements.

- Butte County, CA – North Branch Fires, 2020
- CalRecycle – Camp Fire, 2019

Field Supervisor

Job description text. Insert description of position. Job description text. Insert description of position.

- Collier County, FL – Hurricane Irma, 2017
- City of Victoria, TX – Hurricane Harvey, 2017
- City of Albany, GA – Tornado, 2017

6 YEARS OF EXPERIENCE

Areas of Expertise

Debris Monitoring Training

Disposal Operations

Field Operations

Education

Albany Technical College,
Associate in Criminal Justice

EXPERIENCE SUMMARY

Mr. Beale is an operations manager with approximately five years of debris operations experience. His areas of expertise include disposal site management, documentation management, quality assurance/quality control (QA/QC), as well as overseeing and training field monitors. He has supported multiple hurricane and wildfire projects providing program management and monitoring services.

RELEVANT EXPERIENCE

Mass Care Specialist/On-Site Supervisor

As part of the support team for the Emergency Migrant Shelter, Brandon's responsibilities were to ensure the smooth functioning of the shelter's daily operations. He collaborated with other team members to ensure the facility was maintained in a safe, clean, and organized manner. He worked with others to coordinate the logistics of supplies, including food, bedding, hygiene products, and more. He helped maintain accurate records of the operations, including the number of parties served, services provided, etc.

- State of Colorado and City of Denver, CO – Emergency Migrant Shelter, 2024

Operations Manager

As operations manager Brandon is responsible for the implementation of Tetra Tech's work plans, dispatching field personnel, staffing, safety, field logistics, and training. He verifies eligibility, compliance, and collection and disposal operations oversight and coordinate directly with our project manager daily with progress reports and on specific issues.

- St. John's County, FL – Hurricane Ian, 2022

Field Supervisor

As a field supervisor, Brandon is responsible for overseeing a team of debris monitors and ensuring the safe and efficient removal of debris from disaster-impacted areas. This includes setting standards, allocating resources, monitoring progress, and providing guidance and training to team members.

- Florida Department of Environmental Resources (FDEP) – Hurricane Idalia Waterways, 2023
- Manatee County, FL – Hurricane Ian, 2022
- City of Auburn, AL – Lee County Tornado, 2019
- City of Albany, GA, Hurricane Michael, 2018-2019

Task Force Leader

Brandon served as a task force leader where he worked closely with field monitors, supervisors, and the data team to ensure quality assurance and quality control (QA/QC) of all project documentation.

- Tetra Tech EMI - East Palestine Train Derailment, 2023
- US Army Corp of Engineers, NM – New Mexico Fires, 2022

Area Leader

Brandon was responsible for ensuring that all Task Force Leaders (TFL) were educated on FEMA standards and made sure that all homesites were cleared of contaminants before signing them over to the state.

- CalRecycle, CA – Dixie Fire, 2021-2022

Task Force Leader

Brandon assumed the responsibilities of Task Force Leader where he enforced provisions of the client contract with debris removal contractors, ensured quality assurance/quality control of field documentation, and oversaw all operational aspects, including the hiring and training of local monitors.

- CalRecycle, CA – Northern Branch Fires, 2020-2021
- CalRecycle, CA – Camp Fire, 2019

20 YEARS OF
EXPERIENCE

Areas of Expertise

GIS Programming
ESRI Enterprise Geodatabase and Services
GNSS Survey Grade Data Collection
ArcGIS Pro / ArcMap Operation and Support
ArcGIS Server and AGOL Administration

Training/Certification

GISP - URISA

Education

Florida State University, Master of Science, Geography, 2004
Louisiana State University, Bachelor of Science, Geography, 1999

EXPERIENCE SUMMARY

Mr. Casey Ogden has more than 20 years of experience in Geographic Information Systems (GIS), with experience with the ESRI suite of products. He holds a Master's degree from Florida State University with a Certificate of Emergency Management, as well as, a Bachelor's Degree from Louisiana State University in the field of Geography. As the geospatial applications manager, Casey manages a team of five GIS personnel and is responsible for developing GIS applications that are efficient, accurate, and cutting-edge.

RELEVANT EXPERIENCE

GIS Applications Manager (September 2022-Present)

Hurricane Ian Response | Multiple Jurisdictions

Making landfall as a large category 4 storm, Hurricane Ian left devastating effects across the state of Florida. Casey serves as a GIS Applications Manager and has authored web applications using ESRI's web app builder and dashboard platforms to depict live debris pick-up locations and incident reporting. Of these, custom dashboards were created per client specifications to meet the public needs both internally and externally.

GIS Applications Manager (July 2022-Present)

Ashbritt | USACE

Casey has initiated a Smartsheet/web application integration for real-time property status updates. Additionally, he has introduced site assessment and tree tag mapping automation techniques.

GIS Applications Manager (April 2022- Present)

CA, Office of Emergency Services

Casey has produced a toolset for boundary maps that aid in wildfire management for the Office of Emergency Services in California. This includes functions that calculate tree hazard status, provide buffer analysis, and generate parcel boundary maps.

GIS Applications Manager (April 2022- August 2022)

Harris County, Texas

Casey is responsible for automating day/night noise level reporting to include measurements to nearest roadways, railroads, airports, and managing map book production for debris zone map books.

GIS Developer (June 2021-May 2022)

NASA (Genex Systems)

Casey created an ArcGIS web app builder site that links data submitted for personnel to the reserved parking dataset by applying immediate calculation attribute rules developed using Arcade expressions in ArcGIS Pro. This application also incorporates validation attribute rules and smart editor rules to restrict editing capability and manage data content.

Assistant CTO and GIS Team Lead (Jan 2017-May 2017)

Casey automated Coastal Risk Rapid Assessment / Risk Footprint reports by utilizing ArcGIS Modelbuilder and Python scripts, turning a 3-hour process into a 1 minute runtime, and allowing the user the ability to enter an address and receive a comprehensive flood report for any address in the United States.

13 YEARS OF
EXPERIENCE

Areas of Expertise

Accounting
Fixed Assets
Oracle
Peoplesoft

Key Training/Certifications

Certified Public Accountant

Education

Bachelor of Science in Accounting
in Managerial Accounting, Florida
State University, 2006

EXPERIENCE SUMMARY

Mr. Geoff Reinhart is an experienced CPA with both public and private sector experience. As a billing and invoice analyst at Tetra Tech, Mr. Reinhart is responsible for reconciling contractor invoices and performing quality control on data to ensure that all FEMA guidelines for debris removal monitoring are successfully fulfilled.

Most recently, Mr. Reinhart has been providing billing and invoicing analysis services to all Tetra Tech's projects related to Hurricane Ian. Following the disaster, Tetra Tech was activated by more than 40 clients. Mr. Reinhart has been performing cost/budget and margin analyses and reviewing invoices and accruals.

RELEVANT EXPERIENCE

Billing and Invoice Analyst (April 2019 - Present)

Tetra Tech | Orlando, FL

Responsible for reconciling contractor invoices for debris removal and corresponding services. Ensured contractor invoice payment packages were submitted to the client in a timely manner.

- Performed QA/QC on data points required for payment recommendation
- Managed team of analysts to ensure QA/QC processes were performed accurately and efficiently
- Verified FEMA guidelines for debris removal were met

Audit Senior (July 2018 to April 2019)

Forehand & Associates | PA - Orlando, FL

- Oversee multiple full-cycle financial statement audits and reviews from the planning stage through issuance.
- Financial Statement preparation for all assigned engagements, including Income Statement, Balance Sheet, Statement of Cash Flow, Disclosures & Supplementary Information required by the users of the Financial Statements.
- Design and perform analytical procedures/analysis to detect unusual financial statement relationships.
- Perform internal control analysis and substantive procedures. Identify and communicate accounting and auditing matters to managers and partners.
- Identify and communicate accounting and auditing matters to managers and partners.
- Propose adjusting journal entries and discuss audit findings with key management and / or owners.
- Document audit procedures and cross reference work papers.
- Key role in launching two firm-wide software implementation projects.

Accounting Manager (January 2017 to July 2018)

Lowndes, Drosdick, Doster, Kantor & Reed, PA | Orlando, FL

- Lead and manage five of the Firm's ten Finance professionals, including selection/hiring, delegation of duties, performance management, development and training with indirect oversight of the remaining five members.
- Responsible for overseeing all aspects of the month-end and year-end close as well as maintenance of all accounting ledgers including monthly review of all account reconciliations and journal entries.
- Review all Operating account disbursements on a weekly basis prior to sending to the Admin. Committee for approval.
- Perform analytical procedures/analysis on the preliminary financial statements prior to close.
- Complete oversight and preparation of the annual budget.
- Prepare the monthly and quarterly Board of Directors reporting package.
- Prepare the weekly financial cash forecast.
- Ongoing assessment of current controls to ensure accuracy of financial reporting and develop controls as needed.
- Manage and lead special projects and prepare ad-hoc reports as needed.
- Oversight and management of the Firm's new Accounts Payable application as well as the implementation of the Trust Reserve feature and Direct Deposit program for employee Expense Reimbursements.

Assistant Controller (May 2016 to December 2016)

Transaction Data Systems | Orlando, FL

- Oversee all aspects of month-end close for parent company and three subsidiaries.
- Prepare GAAP & Proforma Financial Statement Reporting Package, including: Income Statements, Balance Sheets, Statements of Cash Flow, Key performance Indicator Reports, Quality of Earnings Reports, and various Ad Hoc reports as needed.
- Review the work completed by the Parent Company's Accounting Manager & subsidiary's controller, including the monthly reconciliation package and all journal entries.
- Perform analytical procedures/analysis on the financial statements.
- Assist in the preparation of the annual budget using key assumptions and prior year knowledge.
- Prepare monthly and quarterly financial update presentations for the Board of Directors.
- Prepare weekly financial snapshots for the CEO & Controller.
- Manage the needs of the external auditors to ensure the process is as efficient and effective as possible.

Staff Auditor II (April 2014 to May 2016)

EY | Orlando, FL

- Conduct comprehensive financial audits and agreed-upon procedures.
- Perform analytical procedures/analysis to detect unusual financial statement relationships.
- Perform internal control and substantive procedures. Identify and communicate accounting and auditing matters to seniors and managers.
- Propose adjusting journal entries and discuss audit findings with clients. Identify and communicate accounting and auditing matters to seniors and managers.
- Prepare PBC lists and confirmation requests.
- Document audit procedures and cross reference work papers.
- Create management representation letter comments and recommendations and draft audit reports for management review.

Lead Staff Accountant (December 2007 to March 2014)

Stanton & Gasdick, PA | Orlando, FL

- Oversee firm-wide accounting including the daily activities of three staff accountants.
- Personally manage seven timeshare escrow accounts and oversee all postings.
- Responsible for month-end General Ledger review and adjustments as well as yearly 1099 preparations.
- Oversee Accounts Payable and Accounts Receivable as well as firm-wide billing.
- Ensure all trust accounts are in compliance with Florida's trust account guidelines.
- Simultaneously complete timeshare funding as well as firm-wide incoming and outgoing wires.

9+

YEARS OF
EXPERIENCE

20+

DISASTERS

\$8.2M+

GRANT
FUNDING

Areas of Expertise

Disaster Debris Management

Data Collection, Utilization, and Validation

Data Management

Report designs

Reimbursement Policies and Procedures

Public Relations

Invoice Reconciliation

Disasters

4673 Hurricane Ian

5278 California Camp Fire

5259 California Carr Fire

5192 California Detwiler Fire

4332 Hurricane Harvey

4286 Hurricane Matthew

4272 Severe Storms and Flooding

4269 Severe Storms and Flooding

4240 CA Wildfires

4245 Texas Severe Storms

Education

University of Texas at San Antonio,
Bachelor of Science in Biology with
a Concentration in Microbiology/
Immunology

EXPERIENCE SUMMARY

Mr. Bosques is a data and automated debris management system (ADMS) technology specialist for Tetra Tech, where his understanding of Federal Emergency Management Agency (FEMA) eligibility and documentation requirements for public assistance debris removal programs have aided him in quality control and oversight of multiple projects. Mr. Bosques is responsible for the implementation of Tetra Tech's *RecoveryTrac*™ ADMS technology as well as oversight and management of field data managers and invoice analysts. He supports the implementation of ADMS in the field, as well as establishing quality assurance and project reporting standards for disaster debris monitoring operations. Mr. Bosques has focused on providing complete auditable datasets that maximize reimbursement and are project worksheet ready.

RELEVANT EXPERIENCE

Senior Data Manager (2020 – Present)

Various Clients and Projects

Mr. Bosques handles overall project setup for various Tetra Tech disaster response monitoring operations through *RecoveryTrac*™ ADMS. He also creates and oversees specialized reporting requested by the clients, handles debris contractor invoicing data and documentation, provides client demonstrations of the geoportal GIS tracking system, abiding and following FEMA compliance pertaining to the debris removal operations, and data tracking.

Mr. Bosques has supported the following projects as the Senior Data Manager:

- Hurricane Idalia | 2023 – Florida Department of Environmental Protection: Parks and Waterways, Leon County, Pasco County, and City of St. Petersburg, Florida
- New Mexico Wildfires | 2023 – United States Army Corps of Engineers
- Severe Storms and Floods | 2023 – State of Vermont
- Severe Storms and Tornadoes | 2023 – City of Tulsa, Oklahoma
- Severe Storms and Tornadoes | 2023 – City of Rolling Fork, Mississippi
- Severe Storms and Tornadoes | 2023 – City of Sherwood and City of North Little Rock, Arkansas
- Hurricane Ian | 2022 – Sarasota County, Charlotte County, Collier County, Polk County, Manatee County, Volusia County, Highlands County, Seminole County, Orange County, and the City of Cape Coral, Florida
- Severe Winter Storms | 2022 – Warren County and City of Bowling Green, Kentucky
- Lake Houston Silt Removal | 2022 – City of Houston, Texas
- Hurricane Ida | 2021 – Audubon Nature Institute, City of Central, City of Covington, Iberville Parish, St. John the Baptist Parish, St. Helena Parish, St. James Parish, Tangipahoa Parish, Town of Gramercy, and Town of Litcher, Louisiana
- Hurricane Zeta | 2020 – Dallas County, Marengo County, and Wilcox County, Alabama; City of Diamondhead, City of Gulfport, and Hancock County, Mississippi
- Hurricane Laura | 2020 – Orange County, Texas; Jefferson Davis Parish, City of Lake Charles, Calcasieu Parish, Acadia Parish, Rapides Parish, City of Dequincy, City of Crowley, City of Sulphur, City of Vinton, City of Westlake, and Town of Iowa, Louisiana

Invoice Reconciliation Manager (January 2019 – December 2019)

CalRecycle | Camp Fire

Mr. Bosques served as the invoice reconciliation manager for the prime debris contractor Ceres Environmental, Inc. following the Camp Fire incident.

- Provided oversight, quality control, and guidance during the invoice reconciliation process for over 6.6 million cubic yards of debris removed across 2,800 parcels

Regional ADMS/Data Manager (August 2017 – 2018)

City of Houston, Texas | Hurricane Harvey

While Hurricane Harvey made landfill near Rockport, Texas, the slow moving tropical system brought bands of heavy rain. An average of 40 inches of total rainfall, the equivalent of 1.2 trillion gallons of water, dropped onto Harris County and the City of Houston. As a result, the City experienced widespread flooding and activated program management and monitoring services from Tetra Tech.

- Mr. Bosques, a local resident of the City, was designated as the lead data manager and has overseen the documentation of over 1.4 million cubic yards of debris removed.
- He oversaw the reconciliation with the multiple prime contractors the City tasked with debris removal following Hurricane Harvey.

Data Manager (October 2016 – May 2017)

Town of Hilton Head, South Carolina | Hurricane Matthew Debris Program Management

Mr. Bosques was deployed to the Town of Hilton Head, South Carolina, after Hurricane Matthew affected the area causing flooding and extensive damage. Mr. Bosques has been overseeing data management efforts and validating the documentation being reported for 2.1 million cubic yards of debris and over 40,000 hazardous trees.

Data Manager (August 2016 – October 2016)

CalRecycle | Erskine Fire Remediation and Disaster Recovery Services

Following catastrophic fires that impacted California in August 2016, Tetra Tech was contracted through CalRecycle to provide project management and oversight of the Erskine wildfire recovery efforts. Mr. Bosques served as the data manager for the environmental and debris project involving over 200 parcels.

PPDR Data Manager (January 2016 – August 2016)

Calaveras County, California | Catastrophic Fires

The catastrophic fires that impacted Calaveras County left severe destruction and damage. As part of the selected contractor's team, Tetra Tech provided data management and administrative functions to support debris removal efforts of fire related debris and hazards from private property in the impacted areas. Mr. Bosques was deployed as the PPDR data manager for over 300 parcels.

Data Manager (October 2015 – January 2016)

San Marcos, Texas | Severe Storms and Flooding Disaster Debris Program Management

Mr. Bosques was deployed to the City of San Marcos, Texas following severe storms and flooding that resulted in concentrated volumes of disaster debris in the City. As data manager, Mr. Bosques was responsible for the following tasks:

- Managed a variety of projects related to Post-Event recovery and monitoring services, and also interacted with clients, consultants, staff members and strategic partners to accurately document and efficiently recover disaster debris.
- Produced reports, documents, graphs, and other management tools for tracking project process, and provided ongoing communication and project management tasks for both client and company use, utilizing a variety of technology to ensure both client satisfaction and project success.
- Responsible for monitoring site safety and maintaining safety awareness to ensure safe working environment.

Data Manager (October 2015 – March 2016)

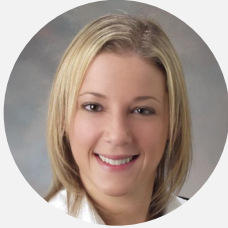
Hays County, Texas | Memorial Day Flooding Disaster Debris Management

- Provided quality assurance and quality control (QA/QC) of debris monitoring documentation.
- Prepared daily status reports to provide the County with visibility into debris removal operations and worked with the County and FEMA to meet supporting documentation requests needed for the development of PWs.

Assistant Data Manager (June 2015 – August 2015)

City of Houston, Texas | Severe Storms and Flooding Disaster Debris Program Management

Mr. Bosques served as Assistant Data Manager for the City of Houston, Texas following severe storms and flooding that resulted in 300,000 cubic yard of disaster debris in the City. Worked alongside the data manager of the FEMA funded destruction relief program for the City of Houston and was also in charge of zone clearances as well as the daily input of collection logs and data documentation.



18 YEARS OF
EXPERIENCE

77 DISASTERS

\$6b GRANT
FUNDING

Areas of Expertise

Project Management

Financial Management

FEMA Compliance Monitoring and Oversight

Auditing

Recovery Planning

Disaster Response and Recovery Operations

Disaster Management Planning

Key Training/Certifications

ICS-100: Introduction to the Incident Command System

ICS-200: Basic Incident Command System for Initial Response

IS-00700: NIMS and Introduction

TS-13: Intro to the Federal Highway Administration Emergency Relief Program

TS-12: Intro to the USDA-NRCS Watership Protection Program

Education

University of Central Florida
Bachelor of Science, Finance, 2002

EXPERIENCE SUMMARY

Ms. O'Dell serves as high-level project and financial manager for Tetra Tech and possesses nearly two decades of disaster response and recovery, as well as disaster preparedness and emergency planning experience. Ms. O'Dell excels in delivering projects on time and within budget. She has assisted numerous local, state and private sector businesses in providing disaster debris monitoring services, including mobilizing support teams; assisting with staging operations; and managing the scheduling, dispatching and logistics operations of debris cleanup for some of the nation's worst natural disasters.

In addition, Ms. O'Dell is highly knowledgeable of federal, state, and local emergency agencies and programs, as well as funding sources and reimbursement procedures, having served as project manager on several of the firm's debris monitoring and emergency management planning projects. She has also been responsible for the development of numerous disaster debris management plans (DMPs) that have been approved for the Federal Emergency Management Agency (FEMA) Public Assistance (PA) Pilot Program.

RELEVANT EXPERIENCE

Hurricane Ian (October 2022 – Ongoing)

Communities in the State of Florida

Ms. O'Dell is responsible for oversight for multiple response and recovery projects throughout the State of Florida following the devastating effects of Hurricane Ian. She is responsible for regional coordination, including staffing, training, and coordination between all parties involved.

2021 Wildfire Disaster (September 2021 – Ongoing)

State of California, CalRecycle | Disaster Recovery Services

Ms. O'Dell is the Finance Section Chief responsible for the for the 2021 Fires project. Ms. O'Dell's supports project management with financial management and contract compliance of this project. This project covers 8 County's under 7 fires, requiring extensive tracking to ensure costs are allocated to the correct funding source. Ms. O'Dell and the finance team is responsible for submitting invoices, reviewing contract invoices, ensuring contract compliance with personnel credential verification , staffing level control, key staff approval, and identifying potential conflicts of interest. In addition, Ms. O'Dell set up a tracking system to ensure all training requirements are compliant.

Camp Trees Wildfire Disaster – Finance and Administration (December 2018 – Ongoing)

State of California, CalRecycle | Disaster Recovery Services

Ms. O'Dell was the project manager responsible for overall project management of the Finance and Administration section for the Camp Tree project. Under Ms. O'Dell's management, the team reconciled more than 600 invoices between eight contractors. These invoices totaled more than \$300 million. Ms. O'Dell developed a daily and monthly status report that was utilized for all contractors on this project. She also developed a robust integrity control process that focused on contract compliance including the following:

- Personnel credential verification
- Staffing Level Control and key staff approval

- Identify potential conflicts of interest
- Fraud prevention and detection measures in labor and in environmental laboratory testing
- APN Review and address verification

Camp Wildfire Disaster (December 2018 – Ongoing)

State of California, CalRecycle | Disaster Recovery Services

Ms. O'Dell was responsible for the auditing process of all labor costs including reconciling ICS-214 Forms. She tracked cost expenditures and prepared financial reports throughout the project. She compiled invoices of up to \$25,000,000 per month. Ms. O'Dell worked directly with subcontractors to ensure prompt payment. She established process to reconcile tribal invoices as well as tracked change order spending. Ms. O'Dell led financial tracking of all project activities to remain in compliance with Federal and contractual requirements.

Hurricanes Maria & Irma Housing (January 2020 – Ongoing)

United States Virgin Islands | CDBG-DR Program Management

Ms. O'Dell served as a Financial Manager, providing analysis of financial and operating results, with preparation of financial reports for management. She tracked cost expenditures and prepared financial reports as necessary for each contract. Ms. O'Dell prepared and reviewed both vendor and subcontractor invoices, monthly status reports, and any other supporting documentation dependent on contract terms. She ensured compliance with company financial policies and procedures.

Hurricane Irma Housing Recovery (October 2016 – Ongoing)

St. John's County, FL | CDBG-DR Program Management

Ms. O'Dell and her team engaged with the County immediately following contract execution to assist with managing the CDBG-DR funds for St. John's Housing Rehabilitation and Reconstruction Program. To support the long-term recovery and restoration of the impacted areas, Ms. O'Dell managed the grant allocated to the recovery activities for over 300 properties including repair and elevation; reconstruction of properties, repair/replacement of damaged manufactured homes or mobile home units (MHUs), relocation of homeowners, and mortgage payment assistance.

Hurricane Irma Debris Monitoring Services (2017 – 2018)

Multiple Clients | Disaster Recovery Program Management

Ms. O'Dell managed nine South Florida clients including the following municipalities:

| | | |
|-------------------------|-----------------|-------------------------|
| Broward County | City of Miramar | City of Boca Raton |
| City of Hollywood | City of Tamarac | City of West Palm Beach |
| City of Pembroke Pines | City of Sunrise | Town of Jupiter |
| City of Deerfield Beach | Wilton Manors | |

Ms. O'Dell was responsible for the regional coordination of all projects. This involved:

- Client Management
- Hiring and Training of more than 500 employees
- Tracking time for all employees
- Working with Tetra Tech payroll to ensure all employees are paid correctly
- Oversight of all data collected at the debris site
- FEMA coordination
- Subcontractor coordination
- Ensuring subcontractor invoices are submitted timely and accurately
- Review of Tetra Tech invoices, ensuring time was allocated to the appropriate community
- Ensure reimbursement to clients

Project Manager

City of Fort Lauderdale, Florida | Hurricanes Katrina and Wilma Disaster Recovery and Debris Clean-up Management

Following Hurricanes Katrina and Wilma, Ms. O'Dell immediately responded to the City of Fort Lauderdale and served as the project manager for the debris management effort. Ms. O'Dell was responsible for the coordination and training of over 200 collection and disposal monitors, ten supervisors and all administrative staff. Ms. O'Dell was also responsible for the oversight of 12 contractors.

C. Use of Monitoring Subcontractors

Tetra Tech seeks opportunities to work with small, women-owned, minority-owned, and disadvantaged business enterprises (DBE) where specific and individual capabilities complement our own for the benefit of the successful completion of a project.

While Tetra Tech is a large, multi-national firm with sufficient resources to complete most any project, we are committed to upholding the requirements for contracting with local businesses and small, minority-owned, and/or women-owned businesses included within 2 CFR 200.321 and within the City's RFP.

As evidence of the Tetra Tech Disaster Recovery division's commitment to local and minority participation in our projects, in February 2019, Tetra Tech received the City of Houston Goods and Services Prime Contractor of the Year Award at the 6th Annual Champions of Diversity Awards Ceremony. Tetra Tech is honored to be selected for such award, and it demonstrates our commitment to work with minority, women, small, and disadvantaged business enterprises.



Tetra Tech receiving the City of Houston Goods and Services Prime Contractor of the Year Award at the 6th Annual Champions of Diversity Awards Ceremony.

Most recently, Tetra Tech received the 2022 Dwight D. Eisenhower Award for Excellence in the Services Category for our effective small business subcontracting programs. The award recognizes large U.S. prime contractors that have excelled with their small business subcontracting programs by creating optimal opportunities for use of small businesses in all socioeconomic categories. The award was presented during the U.S. Small Business Administration's (SBA) National Small Business Week's virtual award ceremony on May 5, 2022.

Tetra Tech does not discriminate on the basis of social and economic disadvantage, race, color, sex, gender, disability, or national origin. **While Tetra Tech would certainly be open and willing to discuss with the City any local or minority firms that they would like to see involved in a project or recovery effort, given the anticipated scope of work and Tetra Tech's capabilities, Tetra Tech does not anticipate the solicitation of subcontractors for this project.**

Scan the QR code to the right or [click here](#) to view Tetra Tech's 2020 More Business for Your Business webinar for the Harris County and Houston, Texas area.



D. Design or Structural Professional Consultant

Tetra Tech does not anticipate the solicitation of a design or structural professional consultant.

Tab 3 – Ability to Respond & Schedule Work (Mobilization Plan)

A. Ability To Handle Multiple Contractual Obligations

While Tetra Tech is an organization of over 28,000 employees with the capability to mobilize for numerous communities, we are very careful not to overextend our staff and resource capability to ensure that we can successfully meet our clients' expectations. Upon careful consideration of these contractual obligations and the capacity of our logistics, equipment, staffing, and ability to mobilize across Georgia, we certify that the City will receive our full commitment to ensure this contract's success at all times. Moreover, we are intentionally assessing future engagements in the area to ensure that we can successfully respond and deliver with dedicated attention once awarded the work. As elaborated throughout this proposal, we have the existing staff, systems, and policies needed to rapidly and effectively respond to the City's needs.

We have successfully accomplished large-scale, rapid deployment before, and are prepared to do it again. Following Hurricane Harvey, Tetra Tech simultaneously deployed over 1,400 staff in the State of Texas. In 2017, Tetra Tech successfully deployed more than 6,000 field staff throughout the country to respond to clients affected by Hurricane Irma in Florida, Hurricane Harvey in Texas, Hurricane Maria in Puerto Rico, and multiple wildfires in California.

Due to the nature and deep pool of resources of our firm, we are able to scale to meet the City's need regardless of size or scope of work. As demonstrated by our prior success in multiple simultaneous activations across the country, Tetra Tech's size, depth, and breadth of resources have consistently proven to be an asset for our clients.

Ability to Respond

Clients count on us to respond in their time of need, and we have never failed to deliver. Our ability to respond rapidly is accelerated by utilizing the following:

- **Incident Command System (ICS) Structure:** Our projects are operated under the ICS structure and have a proven track record of meeting even the most challenging staffing level requirements. ICS allows the Tetra Tech project team to scale as needed, coordinate response, establish common processes for planning and managing resources, and adapt organizational structure to match the needs and complexities of projects. Tetra Tech's emergency management professionals, many of whom are certified ICS instructors, provide guidance to our disaster recovery staff on how to effectively organize and respond to disasters. Our debris project managers have spent many hours in emergency operations centers across the country and understand how ICS works at the local and state level. Our debris project managers know how to apply IC-100, 200, 700, and 800 training in the field. We understand the value ICS has in organizing for disaster activations and strive to implement these principles into our business processes. Per ICS, during disaster response operations, our structure includes an incident commander and section chiefs for operations, logistics, action planning, and finance and administration. We establish twice daily calls using Microsoft Teams with the incident command team and section chiefs to establish our incident action plan, identify resources needs, and plan for any deficiencies. We have a dedicated health and safety officer who oversees the operation and coordinates with health and safety

DISASTERS AND SIMULTANEOUS CONTRACTS

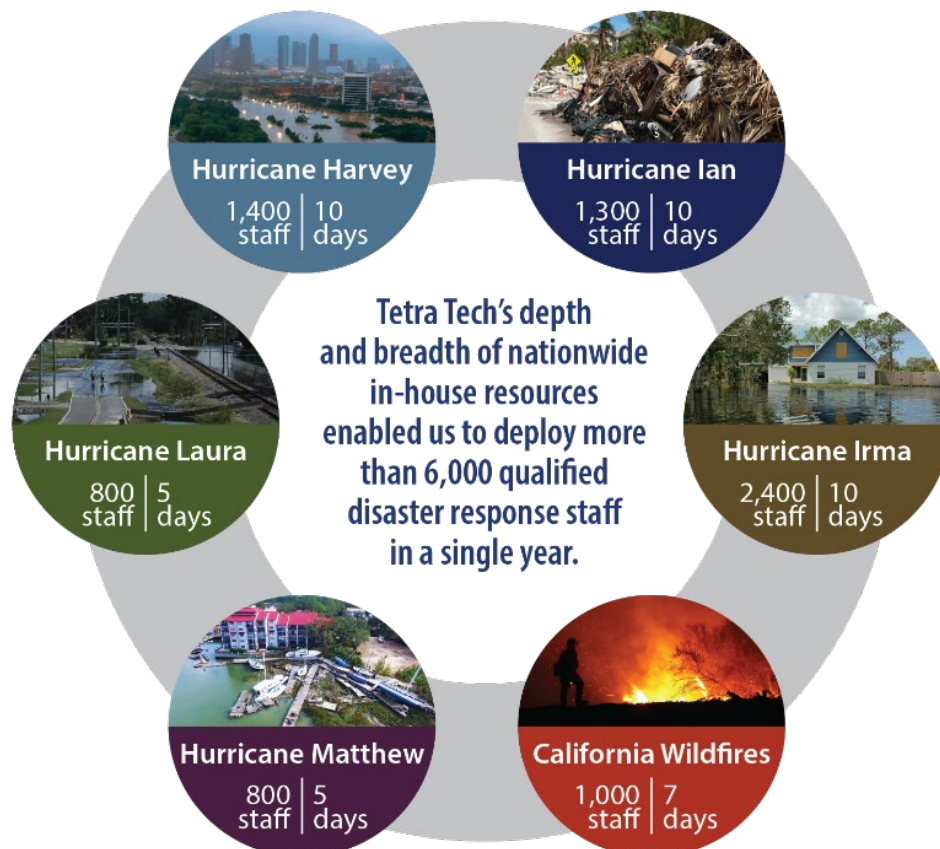
- *Hurricane Ian: 31*
- *Hurricane Ida: 15*
- *Hurricane Laura: 18*
- *Hurricane Michael: 13*
- *Hurricane Florence: 12*
- *Hurricane Irma: 58*
- *Hurricane Harvey: 31*
- *Hurricane Matthew: 35*
- *Winter Storm Pax: 7*
- *Hurricane Sandy: 13*
- *Hurricane Isaac: 5*
- *Winter Storm Alfred: 19*
- *Hurricane Irene: 22*
- *Hurricane Ike: 80*

personnel at each project location. The proposed organization structure below is based on industry best practices and an understanding of geography and the distinct management responsibilities of each position.

- **Ability to Hire Rapidly:** Tetra Tech’s immediate response staffing plan utilizes our vast network of disaster recovery professionals, including full-time employees, reserve staff from the Tetra Tech Disaster Recovery Unit, and local hires. Our staffing process has rapidly mobilized project teams for major disaster recovery projects nationwide. We prioritize deploying local staff, which benefits the local post-disaster economy and reduces mobilization and transportation costs. In addition to maintaining an extensive field staff database, Tetra Tech can deploy our Field Human Resources (HR) Hiring Center, which is designed to be quickly mobilized, transported, and set up to allow near immediate response for field staffing needs. The number of trained HR representatives can scale up to 20 at a moment’s notice, with the ability to hire 200+ staff per day. Under this process, local teams can be hired, trained, and deployed within 24 hours.
- **Depth of Resources:** Tetra Tech maintains a fully stocked warehouse located in Orlando, Florida with over 120 fully stocked bays of debris monitoring supplies capable of supporting over 50 simultaneous recovery operations for over 90 days. We also have dedicated logistics staff that manages resources and supplies and can have a fully functioning field office in a matter of days, and often several simultaneous offices at once. Tetra Tech has consistently deployed large-scale mobilizations of hundreds of staff and thousands of dollars’ worth of equipment to multiple clients in a matter of days and on very short notice.

We Set the Standard.

No firm has responded to more disaster events with more personnel in a shorter amount of time than Tetra Tech.



B. Sample Mobilization Plan

Each phase of Tetra Tech project management has documented procedures that govern the execution to provide **scalable, consistent, high quality results**. We use a systematic approach with frequent in-process quality checks to execute our project processes. Our general project approach includes tasks in each of the phases: initiation, mobilization, execution, and closeout.

- **Initiation (Pre-Event)**
 - **Annual coordination** – Conduct annual trainings and meetings to plan and test execution protocols and identify potential risks/mitigation opportunities.
 - **Contract review** – Review contracts for understanding of contractual requirements and possible cost savings.
 - **Communication systems checks** – Verify that communication systems function as designed and reporting needs are understood.
- **Mobilization (Immediately Prior to and Following Event)**
 - **Scope, tasking, and budget** – Determine services required, performance metrics, schedule, and budget constraints.
 - **Deployment and resource requirements** – Develop work plan and safety plans. Update risk matrix for work plan specifics.
 - **Staging of equipment and resources** – Coordinate movement of required support equipment/supplies and setup of communication and information systems.
- **Execution (Post-Event)**
 - **On-boarding and training staff** – Conduct suitability for work checks and provide targeted training program based on work and safety plans.
 - **Monitoring** – Supervise field operations, quality assurance/quality control (QA/QC) in-process checks, prioritization of resource management, and project reporting.
 - **Communication** – Conduct status meetings and communicate project metrics and other pertinent information.
 - **Issue tracking/resolution** – Conduct issue identification, staff communication, and resolution tracking.
- **Closeout (Post-Event)**
 - **Documentation deliverable** – Produce and deliver required documentation to support auditing.
 - **Demobilization** – Manage reduction in staff, post-use maintenance, and movement of equipment and supplies.
 - **Audit support** – Provide continued availability of information systems to support closeout information requests.

C. Housing for Employees

Our staffing process has rapidly mobilized project teams for major disaster recovery projects nationwide, leveraging both our in-house and on-call staff with demonstrated disaster response training and experience.

We prioritize deploying local staff to the maximum extent practical, which not only benefits the local economy but also reduces mobilization, lodging, and transportation costs. Local staff commute to the work site from their residences.

Our team has successfully deployed large-scale mobilizations of hundreds of staff and thousands of dollars' worth of equipment to multiple clients in a matter of days and on very short notice. Ultimately, the strategy, structure, and staffing requirements for the project organization are based on client expectations and the desired outcome. For those employees where travel to the area is necessary, our Logistics Section includes a support branch tasked with providing travel support to our team members deployed in the field. The Logistics Section is fully dedicated to identifying transportation and lodging for our team for which lodging is necessary and is available to assist our team around the clock during the critical ramp-up period.

Local hires in 24 hours.

Tetra Tech can hire, train, and deploy local teams within 24 hours. Our onboarding procedures are designed for rapid mobilization, thorough training, and near-immediate execution of work.

Tab 4 – Information to the Public

A. Method of updating information to the public during and after an event

Integrating social media into disaster communication strategies is a powerful tool for disseminating timely and targeted information, fostering community engagement, and enhancing disaster resilience. We recommend the following approach for successful leverage of social media to disseminate messages before, during, and after events:

1. **Establish Relationships With Municipalities' Official Social Media Content Managers:**
 - Make contact with the staff who manage the municipalities' social media accounts, including their emergency management agency and official local elected officials. Platforms like Facebook, NextDoor, Instagram, X, and LinkedIn are often used for this purpose.
2. **Pre-Disaster Planning:**
 - Identify key stakeholders and establish protocols for social media communication during disasters to include outlining guidelines for posting, responding to inquiries, and gathering accurate information (e.g., stats, photos, videos, and tips) to be shared.
3. **Create a Social Media Communication Plan:**
 - Define objectives: Determine what information needs to be communicated via social media channels before and after an event.
 - Content strategy: Develop a content schedule outlining the types of posts, from advance tips on separating debris after the storm (for residents who begin cleanup before debris schedules are announced) to regular debris removal status updates once haulers have begun operations.
 - Designate roles: Determine which team members (e.g., municipality Public Information Officer (PIO), elected official staff, public works administrative staff, etc.) will monitor social media platforms, respond to inquiries, and post updates.
 - Hashtag usage: Create and promote official hashtags for the disaster to facilitate information dissemination and community engagement.
4. **Real-Time Monitoring and Engagement:**
 - Monitor social media platforms in real-time to identify and share emerging trends, concerns, and misinformation.
 - Respond promptly to municipality questions, concerns, and requests for assistance, providing accurate and relevant information.
 - Amplify municipality official messages by reposting, sharing, and engaging with relevant stakeholders, including other local agencies, media outlets, and community organizations.
5. **Utilize Multimedia Content:**
 - Provide visual content from throughout the municipality (all affected districts) such as photos, infographics, maps, and videos to convey information effectively and engage local residents.
6. **Post-Disaster Recovery:**
 - Continue to provide updates on recovery efforts – stats and timelines.
 - Share resources for accessing assistance, including government programs, relief organizations, and community support services.
 - Monitor social media for feedback and sentiment analysis to gauge community needs and perceptions, informing ongoing response and recovery efforts.
7. **Evaluate:**
 - Conduct post-disaster debriefing to assess the effectiveness of social media communication strategies.
 - Identify areas for improvement and incorporate lessons learned into future disaster response plans.
 - Stay abreast of emerging social media trends and technologies to enhance communication capabilities in future disasters.

Public Information Campaigns

Separating Your Debris
Debris should be placed curbside, without blocking the roadway or storm drains.

NO PICKUP ZONE
Any debris placed from the sidewalk toward your property will not be picked up.

DEBRIS SEPARATION
Separate debris into the six categories shown below.

DO NOT STACK OR LEAN
Placing debris near or on trees, poles, or other structures makes removal difficult. This includes fire hydrants and meters.

UNSURE WHERE TO PLACE DEBRIS?
If you don't have a sidewalk, ditch, or utility line in front of your house, place debris at the edge of your property before the curb.

Normal Household Trash
Normal household trash and bagged debris of any kind will not be picked up with disaster debris. You should continue to follow your normal garbage removal schedule.

VEGETATIVE DEBRIS
• Leaves (do not put in bags)
• Logs
• Plants
• Tree branches

CONSTRUCTION & DEMOLITION DEBRIS
• Building materials
• Carpet
• Drywall
• Furniture
• Lumber
• Mattresses
• Plumbing

APP
WHI
• Air
• Dis
• Fre
• Ref
• Sto
• Wa
• Wa

Flyer detailing debris separation and placement guidance for residents.

Public-facing website detailing collection information, debris removal status, and more.

The City is assessing and removing debris from homes and other structures impacted by Hurricane Irma. An estimated **2,039,785** cubic yards of debris was generated and will take some time to remove. Crews are actively working to remove debris and collection is progressing as quickly as possible. Your cooperation in following FEMA Debris Removal Guidelines will help speed the clean-up effort.

Visit page often to track the progress of work crews and to get an estimate of when they are expected in your area. Your patience is greatly appreciated as we work together to recover from the hurricane.

Frequently Asked Questions [Download](#)

Debris Management
Measured in Cubic Yards (CY)

2,039,785 CY Total Debris Generated

| Category | Volume (CY) | Percentage |
|------------------|-------------|------------|
| Debris Collected | 1,184,000 | 58.1% |
| Debris Remaining | 855,185 | 41.9% |

43,439 Hazardous Trees/Limbs Removed

2,378 Loads Completed

What Gets Picked Up?
[Click to learn more.](#)

Where Do I Place My Debris For Pick Up?
[Click to learn more.](#)

Where Are Collection Crews?
[Click here to find out.](#)

Overall Progress to date
[Click here to find out.](#)

Who do I call for more information?
The Disaster Hotline is available Monday through Saturday from 8 a.m. to 5 p.m. Call 888-123-4567 for assistance.

Tab 5 – Price Proposal

Tetra Tech has included Attachment F – Cost Worksheet – Schedule A in a separate file titled *Tetra Tech_PortSt.Lucie_PriceProposal_File2*.

Required Forms

Tetra Tech has provided the below required forms on the following pages:

- Contractor's General Information Worksheet
- Cone of Silence Form
- Contractor's Code of Ethics
- E-Verify Form
- Non-Collusion Affidavit
- Drug Free Workplace Form
- Certification Regarding Debarment
- Certification Regarding Lobbying

CONTRACTOR'S GENERAL INFORMATION WORKSHEET
eBID #20230045

It is understood and agreed that the following information is to be used by the City to determine the qualifications of prospective Contractor to perform the work required. The Contractor waives any claim against the City that might arise with respect to any decision concerning the qualifications of the Contractor.

The undersigned attests to the truth and accuracy of all statements made on this questionnaire. Also, the undersigned hereby authorizes any public official, Engineer, Surety, bank, material or equipment manufacturer, or distributor, or any person, firm or corporation to furnish the City any pertinent information requested by the City deemed necessary to verify the information on this questionnaire.

Dated at Maitland, this 6 day of June, 2024
(Location)

Name of Organization/Contractor: Tetra Tech, Inc.

By: Jonathan Burgiel, Business Unit President
Name and Title

1. Corporation, Partnership, Joint Venture, Individual or other? Corporation

2. Firm's name and main office address, telephone and fax numbers

Name: Tetra Tech, Inc.

Address: 2301 Lucien Way Suite 120 Maitland, FL 32751

Telephone Number: 321-441-8500

Fax Number: 321-441-8501

3. Contact person: Jonathan Burgiel Email: TDR.contracts@tetrattech.com

4. Firm's previous names (if any). _____

5. How many years has your organization been in business? 58

6. Total number of staff at this location: 227 Total number of staff on the Treasure Coast: 1166

7. Is the Firm a minority business: YES / NO
If no, is your company planning to implement such a program? Yes

8. List the license(s) that qualifies your firm to construct this project: _____
Florida Good Standing Corporation number is P19034.

9. **ADDENDUM ACKNOWLEDGMENT** - Bidder acknowledges that the following addenda have been received and are included in its proposal/bid:

| Addendum Number | Date Issued | Addendum Number | Date Issued |
|-----------------|-------------|-----------------|-------------|
| 1 | 5/15/24 | | |
| 2 | 5/31/24 | | |
| | | | |
| | | | |
| | | | |
| | | | |

10. **BID RESPONSE:**

- 10.1 Bidder will / **will not** accept the Purchasing Card (Visa).
(please circle one)
- 10.2 Percentage of discount when payment is made with Visa: _____ %
*Please Note: The City has implemented a **Purchasing Card Program**. The Bidder can take advantage of this project and in consideration receive payment within several days instead of the City’s payment policy. Any percentage off the bid price for the acceptance of Visa will be consideration in the bid award. If no such percentage is given, the City shall assume zero (0) percent discount applies.*
- 10.3 Bid Reply Total from Cost Worksheet – Schedule “A”: \$ _____
(This figure must match the Cost Worksheet and the figure that is to be used on the DemandStar web page. Discrepancies between the Cost Worksheet spreadsheet uploaded on DemandStar, the dollar amount listed on the web page at the time of submittal and the Cost Work Sheet #20230045 uploaded on DemandStar will be resolved in favor of the Cost Worksheet – Schedule “A” that is uploaded at time of submittal.)

Reference Use Only- Use E-Bid Reply Excel Spreadsheet to reply to this Bid

Schedule A

| Item # | Description | Hourly Rate | Project Weeks | Hours per week | Total Hours | Total Cost |
|--------|--|-------------|---------------|----------------|-------------|------------|
| 1 | Project Manager/ Liaison Officer (1) | \$ XX | 8 | 84 | 672 | XX |
| 2 | Lead Monitors (2) | \$ XX | 8 | 84 | 672 | XX |
| 3 | Site Monitors (2) | \$ XX | 8 | 84 | 672 | XX |
| 4 | Field Monitors (14) | \$ XX | 8 | 84 | 672 | XX |
| 5 | Supervising Monitor | \$ XX | 8 | 84 | 672 | XX |
| 6 | Loading Site Monitors (30) | \$ XX | 8 | 84 | 672 | XX |
| 7 | Clerical/Administrative Supervisor (1) | \$ XX | 8 | 84 | 672 | XX |
| 8 | Clerical Staff/Data Entry Clerk (1-3) | \$ XX | 8 | 84 | 672 | XX |
| 9 | SUBTOTAL | | XX | XX | XX | XX |
| 10 | Management Site Monitor | \$ XX | | | | |
| 11 | Roving Monitor | \$ XX | | | | |
| 12 | Debris Management Contractor | \$ XX | | | | |
| 13 | Public Information Monitors | \$ XX | | | | |
| 14 | Administrative Staff | \$ XX | | | | |
| 15 | Aerial Photo Package (one flight and one photograph) | \$ XX | | | | |

| | | |
|----|--|-------|
| 16 | Photograph Copies (per duplication of original photo) | \$ XX |
| 17 | Additional Photographs (per photo, same flight, same location, different view) | \$ XX |
| 18 | Additional Location (one photo, same flight, different location) | \$ XX |

11. Please explain and provide further information how the above listed hourly rates shall be regarded as “fair and reasonable” by FEMA for the identified listed services provided above in comparison to the “going rate” for similar or identical services within the geographic area which includes the City of Port St. Lucie. Please provide quantitative as well as qualitative data that substantiates the claim that the rates your firm has bid in response to this RFP are “fair and reasonable” and that they should meet any possible reasonableness test required by FEMA for similar or identical competitively bid rates within the City’s geographic area.
(Limit 1 page).
12. **EXPERIENCE:** List and describe three (3) to five (5) of the last debris-related events worked, show the number of years each team member has with your firm. If the experience is with another firm, please provide information to include the other firm(s) name. Please include:
- Project name (Storm Event), and brief description including Municipality name and location.
 - List the names and titles of staff on current projects.
 - Describe company’s role in project. If project is a joint venture, then list all companies involved and their role in the Project.
 - List number of Project Worksheets (PWs) completed for FEMA. List total dollar amount written and approved. State if your firm wrote or assisted in compiling data or a combination thereof.
 - List number of Detailed Disaster Incident Reports (DDIRs) written for FDOT and total dollar amount for all. List percentage completed by your firm. Break into categories of work.
 - List the total number of written PWs approved, in-full, by FEMA as requested and what was the total dollar amount approved.
 - List the total number of PWs written, not approved in-full by FEMA as requested and what was the total and average dollar amount of deductions for all written PWs.
 - List the five (5) to ten (10) most common reasons by the PWs/DDIRs were reduced from the original amounts requested by the Applicant (municipality).
 - Describe Project Status, e.g. complete, in service, on standby, etc.
 - Describe special equipment and/or capabilities of your company and any sub-contractors to carry out this work.
 - Include a schedule showing role of each team member, their area of expertise, the percentage of time each member contributed to the project.
 - Challenges encountered, resolutions (Limit 1 page).
 - Describe the system that you use, and what projects they were utilized on. If web-based, what is your backup plan?
13. How many years has your organization been performing these services? 58
14. List the name and role of staff members to be dedicated to the City of Port St. Lucie for any project/storm event and list the areas of expertise they will represent. (Please provide a list if needed on additional paper.)
Frank Guthman - Project Manager, Brendy Gordon - Operations Manager,
Brandon Beale - Field Supervisor, Geoff Reinhart - Billing/Invoice Analyst,
Casey Ogden - GIS Analyst, Ricardo Bosques - Data Manager,
Kerri O'Dell - Debris Management Contractor
15. Provide a summary of how employees meet the training and standardized organizational structures. Please include certifications for NIMS & ICS.
Tetra Tech, Inc. has included the response in File #1: Technical Proposal - Bid Reply.

16. Will your company be using monitoring subcontractors for any part of this Contract to include Design or Structural Professional Selected Proposers? Yes () No (✓) If yes, please list:

17. Does your firm have a Design or Structural Professional selected Proposer on staff?
Yes () No (✓)

18. Describe the firm’s ability to handle multiple contractual obligations in the event of a regional or state-wide disaster involving multiple municipalities also under Contract for similar support. Include a sample Mobilization Plan. (Limit 1 page). [Tetra Tech, Inc. has included the response in File #1: Technical Proposal - Bid Reply.](#)

19. Describe how you will provide housing for all employees: [Tetra Tech, Inc. has included the response in File #1: Technical Proposal - Bid Reply.](#)

20. The Contractor will comply with all applicable federal and state laws and regulations, to include 2 C.F.R. 200.318 through 200.326 as well as Appendix II to 2 C.F.R. Part 200 entitled “Contract Provisions for Non-Federal Entity Contracts Under Federal Awards.

Yes X No _____

21. List five (5) government agencies that your company served during the past three (3) to five (5) storm events similar to this project with the storm name, client name, client phone number, and email for each event.

Entity Number 1

Storm Name: [Hurricane Ian and Irma](#)
Client Name: [City of Pembroke Pines - Bob Aguirra](#)
Phone Number: [954-450-1097](#)
Email: baguirra@ppines.com

Entity Number 2

Storm Name: [Hurricane Hanna](#)
Client Name: [City of Edinburg - Ramiro Gomez](#)
Phone Number: [\(956\) 381-5635 | \(956\) 389-3140 \(mobile\)](#)
Email: rgomez@cityofedinburg.com

Entity Number 3

Storm Name: [Hurricane Ian and Irma](#)
Client Name: [City of Cape Coral - Terry Schweitzer, Solid Waste Manager](#)
Phone Number: [\(518\) 415-9718](#)
Email: tschweitzer@capecoral.gov

Entity Number 4

Storm Name: [Hurricane Hanna](#)

Client Name: [City of Pharr - Pilar Rodriguez](#)

Phone Number: [\(956\) 402-4400](#)

Email: pilar.rodriguez@fd.pharr-tx.gov

Entity Number 5

Storm Name: [Hurricane Irma](#)

Client Name: [Pinellas County - Sean Tipton Public Works](#)

Phone Number: [\(727\) 464-8809 | \(727\) 222-0441](#)

Email: stipton@co.pinellas.fl.us

22. Has the Contractor or any principals of the applicant organization failed to qualify as a responsible Contractor; refused to enter into a contract after an award has been made; failed to complete a contract during the past five (5) years or been declared to be in default in any contract or been assessed liquidated damages in the last five (5) years? List the name of project, location, client, engineer, date and reason. Use additional pages if needed.

Total Number of Projects where Failure to Complete Work Occurred: 0

Project Number 1

Project Name:

Project Location:

Client Name and Phone Number:

Engineer Name and Phone Number:

Date:

Reason:

Insert additional projects if needed.

23. Has the Contractor or any of its principals ever been declared bankrupt or reorganized under Chapter 11 or put into receivership?

Yes () No ()

If yes, please explain:

24. List any lawsuits pending or completed within the past five (5) years involving the corporation, partnership or individuals with more than ten percent (10 %) interest:
[Please see response on the following page for Item 24 and 25.](#)

(N/A is not an acceptable answer - insert lines if needed)

25. List any judgments from lawsuits in the last five (5) years:

In the normal course of business, Tetra Tech, Inc. is subject to certain claims and lawsuits typically filed against the engineering and consulting professions, including workers' compensation, personal injury and other similar lawsuits. Tetra Tech maintains insurance coverage for its business and operations, subject to certain deductibles and policy limits against such claims. As described in Tetra Tech's most recent quarterly and annual reports filed with the U.S. Securities and Exchange Commission, Tetra Tech believes that the resolution of any such claims will not have a material effect on its financial position or results of operations. Tetra Tech is not currently a party to, and has not been a party to, any claim, controversy, legal dispute litigation, or other related legal matter where the basis of the claim involves the same or similar services as those referenced in this Request for Proposal. In addition, Tetra Tech is not barred from performing any FEMA related work.

As such, Tetra Tech certifies that Tetra Tech has:

- no current claims, arbitrations, administrative hearings, mediations and lawsuits related to disaster debris removal management and monitoring services; and
- no pending lawsuits related to disaster debris removal management and monitoring services; and
- no judgements from lawsuits related to disaster debris removal management and monitoring services within the last five (5) years.

(N/A is not an acceptable answer - insert lines if needed)

26. List any criminal violations and/or convictions of the Proposer and/or any of its principals:
Tetra Tech and/or any of its principals does not have any criminal violations and/or convictions.

(N/A is not an acceptable answer - insert lines if needed)

27. Has Proposer been banned or disbarred from any Federally Funded Project or Program?
Yes () No (✓)

28. Describe your method to include social media of disseminating and updating information to the public during and after an event.
Tetra Tech, Inc. has included the response in File #1: Technical Proposal - Bid Reply.



Signature

June 6, 2024

Title



NOTICE TO ALL PROPOSERS:

To ensure fair consideration is given for all Proposers, it must be clearly understood that upon release of the proposal and during the proposal process, firms and their employees of related companies as well as paid or unpaid personnel acting on their behalf shall not contact or participate in any type of contact with City employees, department heads or elected officials, up to and including the Mayor and City Council. The “Cone of Silence” is in effect for this solicitation from the date the solicitation is advertised on DemandStar, until the time an award decision has been approved by City Council and fully executed by all parties. Information about the Cone of Silence can be found under the [City of Port St. Lucie Ordinance 20-15, Section 35.13](#). Contact with anyone other than the Issuing Officer may result in the vendor being disqualified. All contact must be coordinated through Michelle Fentress, Issuing Officer, for the procurement of these services.

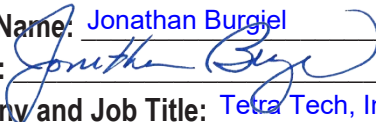
All questions regarding this Solicitation are to be submitted in writing to Michelle Fentress, Procurement Contracting Officer II with the Procurement Management Department via e-mail mfentress@cityofpsl.com. Please reference the Solicitation number on all correspondence to the City.

All questions, comments and requests for clarification must reference the Solicitation number on all correspondence to the City. Any oral communications shall be considered unofficial and non-binding.

Only written responses to written communication shall be considered official and binding upon the City. The City reserves the right, at its sole discretion, to determine appropriate and adequate responses to the written comments, questions, and requests for clarification.

*NOTE: All addendums and/or any other correspondence before bid close date (general information, question and responses) to this solicitation will be made available exclusively through the [DemandStar's Website](#) for retrieval. All notice of intent to award documentation will be published on the [City Clerk's Website](#). Proposers are solely responsible for frequently checking these websites for updates to this solicitation.

I understand and shall fully comply with all requirements of City of Port. St. Lucie Ordinance 20-15, Section 35.13.

Typed Name: Jonathan Burgiel
Signed: 
Company and Job Title: Tetra Tech, Inc, Business Unit President
Date: June 6, 2024



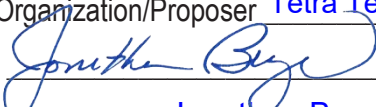
eRFP #20230045
CONTRACTOR'S CODE OF ETHICS

The City of Port St Lucie ("City), through its Procurement Management Department ("Procurement Management Department") is committed to a procurement process that fosters fair and open competition, is conducted under the highest ethical standards and enjoys the complete confidence of the public. To achieve these purposes, Procurement Management Department requires each vendor who seeks to do business with the City to subscribe to this Contractor's Code of Ethics.

- ◆ A Contractor's bid or proposal will be competitive, consistent and appropriate to the bid documents.
- ◆ A Contractor will not discuss or consult with other Vendors intending to bid on the same contract or similar City contract for the purpose of limiting competition. A Vendor will not make any attempt to induce any individual or entity to submit or not submit a bid or proposal.
- ◆ Contractor will not disclose the terms of its bids or proposal, directly or indirectly, to any other competing Vendor prior to the bid or proposal closing date.
- ◆ Contractor will completely perform any contract awarded to it at the contracted price pursuant to the terms set forth in the contract.
- ◆ Contractor will submit timely, accurate and appropriate invoices for goods and/or services actually performed under the contract.
- ◆ Contractor will not offer or give any gift, item or service of value, directly or indirectly, to a City employee, City official, employee family member or other vendor contracted by the City.
- ◆ Contractor will not cause, influence or attempt to cause or influence, any City employee or City Official, which might tend to impair his/her objectivity or independence of judgment; or to use, or attempt to use, his/her official position to secure any unwarranted privileges or advantages for that Vendor or for any other person.
- ◆ Contractor will disclose to the City any direct or indirect personal interests a City employee or City official holds as it relates to a Vendor contracted by the City.
- ◆ Contractor must comply with all applicable laws, codes or regulations of the countries, states and localities in which they operate. This includes, but is not limited to, laws and regulations relating to environmental, occupational health and safety, and labor practices. In addition, Contractor must require their suppliers

(including temporary labor agencies) to do the same. Contractor must conform their practices to any published standards for their industry. Compliance with laws, regulations and practices include, but are not limited to the following:

- Obtaining and maintaining all required environmental permits. Further, Contractor will endeavor to minimize natural resource consumption through conservation, recycling and substitution methods.
- Providing workers with a safe working environment, which includes identifying and evaluating workplace risks and establishing processes for which employee can report health and safety incidents, as well as providing adequate safety training.
- Providing workers with an environment free of discrimination, harassment and abuse, which includes establishing a written antidiscrimination and anti-bullying/harassment policy, as well as clearly noticed policies pertaining to forced labor, child labor, wage and hours, and freedom of association.

Name of Organization/Proposer Tetra Tech, Inc.
Signature 
Printed Name and Title Jonathan Burgiel, Business Unit President

Date June 6, 2024

DISCLAIMER: This Code of Ethics is intended as a reference and procedural guide to contractors. The information it contains should not be interpreted to supersede any law or regulation, nor does it supersede the applicable contractor contract. In the case of any discrepancies between it and the law, regulation(s) and/or contractor contract, the law, regulatory provision(s) and/or vendor contract shall prevail.



E-Verify Form

Supplier/Consultant acknowledges and agrees to the following:

1. Shall utilize the U.S. Department of Homeland Security’s E-Verify system to verify the employment eligibility of all new employees hired by the Supplier/Consultant during the term of the contract; and
2. Shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security’s E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

E-Verify Company Identification Number 1296212

Date of Authorization 5/3/2018

Name of Contractor Tetra Tech, Inc.

Name of Project Debris Monitoring Services: 20230045

Solicitation Number (If Applicable) _____

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on June, 6, 2024 in Maitland (city), FL (state).



 Signature of Authorized Officer

Jonathan Burgiel, Business Unit President

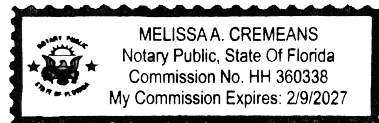
 Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME

ON THIS THE 6 DAY OF June, 2024.

NOTARY PUBLIC _____

My Commission Expires: 2/9/2027



Company ID Number: 1296212

**THE E-VERIFY
MEMORANDUM OF UNDERSTANDING
FOR EMPLOYERS**

**ARTICLE I
PURPOSE AND AUTHORITY**

The parties to this agreement are the Department of Homeland Security (DHS) and the Tetra Tech (Employer). The purpose of this agreement is to set forth terms and conditions which the Employer will follow while participating in E-Verify.

E-Verify is a program that electronically confirms an employee's eligibility to work in the United States after completion of Form I-9, Employment Eligibility Verification (Form I-9). This Memorandum of Understanding (MOU) explains certain features of the E-Verify program and describes specific responsibilities of the Employer, the Social Security Administration (SSA), and DHS.

Authority for the E-Verify program is found in Title IV, Subtitle A, of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996 (IIRIRA), Pub. L. 104-208, 110 Stat. 3009, as amended (8 U.S.C. § 1324a note). The Federal Acquisition Regulation (FAR) Subpart 22.18, "Employment Eligibility Verification" and Executive Order 12989, as amended, provide authority for Federal contractors and subcontractors (Federal contractor) to use E-Verify to verify the employment eligibility of certain employees working on Federal contracts.

**ARTICLE II
RESPONSIBILITIES**

A. RESPONSIBILITIES OF THE EMPLOYER

1. The Employer agrees to display the following notices supplied by DHS in a prominent place that is clearly visible to prospective employees and all employees who are to be verified through the system:
 - a. Notice of E-Verify Participation
 - b. Notice of Right to Work
2. The Employer agrees to provide to the SSA and DHS the names, titles, addresses, and telephone numbers of the Employer representatives to be contacted about E-Verify. The Employer also agrees to keep such information current by providing updated information to SSA and DHS whenever the representatives' contact information changes.
3. The Employer agrees to grant E-Verify access only to current employees who need E-Verify access. Employers must promptly terminate an employee's E-Verify access if the employer is separated from the company or no longer needs access to E-Verify.

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4. The Employer agrees to become familiar with and comply with the most recent version of the E-Verify User Manual.
 5. The Employer agrees that any Employer Representative who will create E-Verify cases will complete the E-Verify Tutorial before that individual creates any cases.
 - a. The Employer agrees that all Employer representatives will take the refresher tutorials when prompted by E-Verify in order to continue using E-Verify. Failure to complete a refresher tutorial will prevent the Employer Representative from continued use of E-Verify.
 6. The Employer agrees to comply with current Form I-9 procedures, with two exceptions:
 - a. If an employee presents a "List B" identity document, the Employer agrees to only accept "List B" documents that contain a photo. (List B documents identified in 8 C.F.R. § 274a.2(b)(1)(B)) can be presented during the Form I-9 process to establish identity.) If an employee objects to the photo requirement for religious reasons, the Employer should contact E-Verify at 888-464-4218.
 - b. If an employee presents a DHS Form I-551 (Permanent Resident Card), Form I-766 (Employment Authorization Document), or U.S. Passport or Passport Card to complete Form I-9, the Employer agrees to make a photocopy of the document and to retain the photocopy with the employee's Form I-9. The Employer will use the photocopy to verify the photo and to assist DHS with its review of photo mismatches that employees contest. DHS may in the future designate other documents that activate the photo screening tool.
- Note: Subject only to the exceptions noted previously in this paragraph, employees still retain the right to present any List A, or List B and List C, document(s) to complete the Form I-9.
7. The Employer agrees to record the case verification number on the employee's Form I-9 or to print the screen containing the case verification number and attach it to the employee's Form I-9.
 8. The Employer agrees that, although it participates in E-Verify, the Employer has a responsibility to complete, retain, and make available for inspection Forms I-9 that relate to its employees, or from other requirements of applicable regulations or laws, including the obligation to comply with the antidiscrimination requirements of section 274B of the INA with respect to Form I-9 procedures.
 - a. The following modified requirements are the only exceptions to an Employer's obligation to not employ unauthorized workers and comply with the anti-discrimination provision of the INA: (1) List B identity documents must have photos, as described in paragraph 6 above; (2) When an Employer confirms the identity and employment eligibility of newly hired employee using E-Verify procedures, the Employer establishes a rebuttable presumption that it has not violated section 274A(a)(1)(A) of the Immigration and Nationality Act (INA) with respect to the hiring of that employee; (3) If the Employer receives a final nonconfirmation for an employee, but continues to employ that person, the Employer must notify DHS and the Employer is subject to a civil money penalty between \$550 and \$1,100 for each failure to notify DHS of continued employment following a final nonconfirmation; (4) If the Employer continues to employ an employee after receiving a final nonconfirmation, then the Employer is subject to a rebuttable presumption that it has knowingly

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employed an unauthorized alien in violation of section 274A(a)(1)(A); and (5) no E-Verify participant is civilly or criminally liable under any law for any action taken in good faith based on information provided through the E-Verify.

b. DHS reserves the right to conduct Form I-9 compliance inspections, as well as any other enforcement or compliance activity authorized by law, including site visits, to ensure proper use of E-Verify.

9. The Employer is strictly prohibited from creating an E-Verify case before the employee has been hired, meaning that a firm offer of employment was extended and accepted and Form I-9 was completed. The Employer agrees to create an E-Verify case for new employees within three Employer business days after each employee has been hired (after both Sections 1 and 2 of Form I-9 have been completed), and to complete as many steps of the E-Verify process as are necessary according to the E-Verify User Manual. If E-Verify is temporarily unavailable, the three-day time period will be extended until it is again operational in order to accommodate the Employer's attempting, in good faith, to make inquiries during the period of unavailability.

10. The Employer agrees not to use E-Verify for pre-employment screening of job applicants, in support of any unlawful employment practice, or for any other use that this MOU or the E-Verify User Manual does not authorize.

11. The Employer must use E-Verify for all new employees. The Employer will not verify selectively and will not verify employees hired before the effective date of this MOU. Employers who are Federal contractors may qualify for exceptions to this requirement as described in Article II.B of this MOU.

12. The Employer agrees to follow appropriate procedures (see Article III below) regarding tentative nonconfirmations. The Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify case. The Employer agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Employer agrees to provide written referral instructions to employees and instruct affected employees to bring the English copy of the letter to the SSA. The Employer must allow employees to contest the finding, and not take adverse action against employees if they choose to contest the finding, while their case is still pending. Further, when employees contest a tentative nonconfirmation based upon a photo mismatch, the Employer must take additional steps (see Article III.B. below) to contact DHS with information necessary to resolve the challenge.

13. The Employer agrees not to take any adverse action against an employee based upon the employee's perceived employment eligibility status while SSA or DHS is processing the verification request unless the Employer obtains knowledge (as defined in 8 C.F.R. § 274a.1(l)) that the employee is not work authorized. The Employer understands that an initial inability of the SSA or DHS automated verification system to verify work authorization, a tentative nonconfirmation, a case in continuance (indicating the need for additional time for the government to resolve a case), or the finding of a photo mismatch, does not establish, and should not be interpreted as, evidence that the employee is not work authorized. In any of such cases, the employee must be provided a full and fair opportunity to contest the finding, and if he or she does so, the employee may not be terminated or suffer any adverse employment consequences based upon the employee's perceived employment eligibility status

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(including denying, reducing, or extending work hours, delaying or preventing training, requiring an employee to work in poorer conditions, withholding pay, refusing to assign the employee to a Federal contract or other assignment, or otherwise assuming that he or she is unauthorized to work) until and unless secondary verification by SSA or DHS has been completed and a final nonconfirmation has been issued. If the employee does not choose to contest a tentative nonconfirmation or a photo mismatch or if a secondary verification is completed and a final nonconfirmation is issued, then the Employer can find the employee is not work authorized and terminate the employee's employment. Employers or employees with questions about a final nonconfirmation may call E-Verify at 1-888-464-4218 (customer service) or 1-888-897-7781 (worker hotline).

14. The Employer agrees to comply with Title VII of the Civil Rights Act of 1964 and section 274B of the INA as applicable by not discriminating unlawfully against any individual in hiring, firing, employment eligibility verification, or recruitment or referral practices because of his or her national origin or citizenship status, or by committing discriminatory documentary practices. The Employer understands that such illegal practices can include selective verification or use of E-Verify except as provided in part D below, or discharging or refusing to hire employees because they appear or sound "foreign" or have received tentative nonconfirmations. The Employer further understands that any violation of the immigration-related unfair employment practices provisions in section 274B of the INA could subject the Employer to civil penalties, back pay awards, and other sanctions, and violations of Title VII could subject the Employer to back pay awards, compensatory and punitive damages. Violations of either section 274B of the INA or Title VII may also lead to the termination of its participation in E-Verify. If the Employer has any questions relating to the anti-discrimination provision, it should contact OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).

15. The Employer agrees that it will use the information it receives from E-Verify only to confirm the employment eligibility of employees as authorized by this MOU. The Employer agrees that it will safeguard this information, and means of access to it (such as PINS and passwords), to ensure that it is not used for any other purpose and as necessary to protect its confidentiality, including ensuring that it is not disseminated to any person other than employees of the Employer who are authorized to perform the Employer's responsibilities under this MOU, except for such dissemination as may be authorized in advance by SSA or DHS for legitimate purposes.

16. The Employer agrees to notify DHS immediately in the event of a breach of personal information. Breaches are defined as loss of control or unauthorized access to E-Verify personal data. All suspected or confirmed breaches should be reported by calling 1-888-464-4218 or via email at E-Verify@dhs.gov. Please use "Privacy Incident – Password" in the subject line of your email when sending a breach report to E-Verify.

17. The Employer acknowledges that the information it receives from SSA is governed by the Privacy Act (5 U.S.C. § 552a(i)(1) and (3)) and the Social Security Act (42 U.S.C. 1306(a)). Any person who obtains this information under false pretenses or uses it for any purpose other than as provided for in this MOU may be subject to criminal penalties.

18. The Employer agrees to cooperate with DHS and SSA in their compliance monitoring and evaluation of E-Verify, which includes permitting DHS, SSA, their contractors and other agents, upon

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reasonable notice, to review Forms I-9 and other employment records and to interview it and its employees regarding the Employer's use of E-Verify, and to respond in a prompt and accurate manner to DHS requests for information relating to their participation in E-Verify.

19. The Employer shall not make any false or unauthorized claims or references about its participation in E-Verify on its website, in advertising materials, or other media. The Employer shall not describe its services as federally-approved, federally-certified, or federally-recognized, or use language with a similar intent on its website or other materials provided to the public. Entering into this MOU does not mean that E-Verify endorses or authorizes your E-Verify services and any claim to that effect is false.

20. The Employer shall not state in its website or other public documents that any language used therein has been provided or approved by DHS, USCIS or the Verification Division, without first obtaining the prior written consent of DHS.

21. The Employer agrees that E-Verify trademarks and logos may be used only under license by DHS/USCIS (see [M-795 \(Web\)](#)) and, other than pursuant to the specific terms of such license, may not be used in any manner that might imply that the Employer's services, products, websites, or publications are sponsored by, endorsed by, licensed by, or affiliated with DHS, USCIS, or E-Verify.

22. The Employer understands that if it uses E-Verify procedures for any purpose other than as authorized by this MOU, the Employer may be subject to appropriate legal action and termination of its participation in E-Verify according to this MOU.

B. RESPONSIBILITIES OF FEDERAL CONTRACTORS

1. If the Employer is a Federal contractor with the FAR E-Verify clause subject to the employment verification terms in Subpart 22.18 of the FAR, it will become familiar with and comply with the most current version of the E-Verify User Manual for Federal Contractors as well as the E-Verify Supplemental Guide for Federal Contractors.

2. In addition to the responsibilities of every employer outlined in this MOU, the Employer understands that if it is a Federal contractor subject to the employment verification terms in Subpart 22.18 of the FAR it must verify the employment eligibility of any "employee assigned to the contract" (as defined in FAR 22.1801). Once an employee has been verified through E-Verify by the Employer, the Employer may not create a second case for the employee through E-Verify.

a. An Employer that is not enrolled in E-Verify as a Federal contractor at the time of a contract award must enroll as a Federal contractor in the E-Verify program within 30 calendar days of contract award and, within 90 days of enrollment, begin to verify employment eligibility of new hires using E-Verify. The Employer must verify those employees who are working in the United States, whether or not they are assigned to the contract. Once the Employer begins verifying new hires, such verification of new hires must be initiated within three business days after the hire date. Once enrolled in E-Verify as a Federal contractor, the Employer must begin verification of employees assigned to the contract within 90 calendar days after the date of enrollment or within 30 days of an employee's assignment to the contract, whichever date is later.

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b. Employers enrolled in E-Verify as a Federal contractor for 90 days or more at the time of a contract award must use E-Verify to begin verification of employment eligibility for new hires of the Employer who are working in the United States, whether or not assigned to the contract, within three business days after the date of hire. If the Employer is enrolled in E-Verify as a Federal contractor for 90 calendar days or less at the time of contract award, the Employer must, within 90 days of enrollment, begin to use E-Verify to initiate verification of new hires of the contractor who are working in the United States, whether or not assigned to the contract. Such verification of new hires must be initiated within three business days after the date of hire. An Employer enrolled as a Federal contractor in E-Verify must begin verification of each employee assigned to the contract within 90 calendar days after date of contract award or within 30 days after assignment to the contract, whichever is later.

c. Federal contractors that are institutions of higher education (as defined at 20 U.S.C. 1001(a)), state or local governments, governments of Federally recognized Indian tribes, or sureties performing under a takeover agreement entered into with a Federal agency under a performance bond may choose to only verify new and existing employees assigned to the Federal contract. Such Federal contractors may, however, elect to verify all new hires, and/or all existing employees hired after November 6, 1986. Employers in this category must begin verification of employees assigned to the contract within 90 calendar days after the date of enrollment or within 30 days of an employee's assignment to the contract, whichever date is later.

d. Upon enrollment, Employers who are Federal contractors may elect to verify employment eligibility of all existing employees working in the United States who were hired after November 6, 1986, instead of verifying only those employees assigned to a covered Federal contract. After enrollment, Employers must elect to verify existing staff following DHS procedures and begin E-Verify verification of all existing employees within 180 days after the election.

e. The Employer may use a previously completed Form I-9 as the basis for creating an E-Verify case for an employee assigned to a contract as long as:

- i. That Form I-9 is complete (including the SSN) and complies with Article II.A.6,
- ii. The employee's work authorization has not expired, and
- iii. The Employer has reviewed the Form I-9 information either in person or in communications with the employee to ensure that the employee's Section 1, Form I-9 attestation has not changed (including, but not limited to, a lawful permanent resident alien having become a naturalized U.S. citizen).

f. The Employer shall complete a new Form I-9 consistent with Article II.A.6 or update the previous Form I-9 to provide the necessary information if:

- i. The Employer cannot determine that Form I-9 complies with Article II.A.6,
- ii. The employee's basis for work authorization as attested in Section 1 has expired or changed, or
- iii. The Form I-9 contains no SSN or is otherwise incomplete.

Note: If Section 1 of Form I-9 is otherwise valid and up-to-date and the form otherwise complies with

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Article II.C.5, but reflects documentation (such as a U.S. passport or Form I-551) that expired after completing Form I-9, the Employer shall not require the production of additional documentation, or use the photo screening tool described in Article II.A.5, subject to any additional or superseding instructions that may be provided on this subject in the E-Verify User Manual.

g. The Employer agrees not to require a second verification using E-Verify of any assigned employee who has previously been verified as a newly hired employee under this MOU or to authorize verification of any existing employee by any Employer that is not a Federal contractor based on this Article.

3. The Employer understands that if it is a Federal contractor, its compliance with this MOU is a performance requirement under the terms of the Federal contract or subcontract, and the Employer consents to the release of information relating to compliance with its verification responsibilities under this MOU to contracting officers or other officials authorized to review the Employer's compliance with Federal contracting requirements.

C. RESPONSIBILITIES OF SSA

1. SSA agrees to allow DHS to compare data provided by the Employer against SSA's database. SSA sends DHS confirmation that the data sent either matches or does not match the information in SSA's database.

2. SSA agrees to safeguard the information the Employer provides through E-Verify procedures. SSA also agrees to limit access to such information, as is appropriate by law, to individuals responsible for the verification of Social Security numbers or responsible for evaluation of E-Verify or such other persons or entities who may be authorized by SSA as governed by the Privacy Act (5 U.S.C. § 552a), the Social Security Act (42 U.S.C. 1306(a)), and SSA regulations (20 CFR Part 401).

3. SSA agrees to provide case results from its database within three Federal Government work days of the initial inquiry. E-Verify provides the information to the Employer.

4. SSA agrees to update SSA records as necessary if the employee who contests the SSA tentative nonconfirmation visits an SSA field office and provides the required evidence. If the employee visits an SSA field office within the eight Federal Government work days from the date of referral to SSA, SSA agrees to update SSA records, if appropriate, within the eight-day period unless SSA determines that more than eight days may be necessary. In such cases, SSA will provide additional instructions to the employee. If the employee does not visit SSA in the time allowed, E-Verify may provide a final nonconfirmation to the employer.

Note: If an Employer experiences technical problems, or has a policy question, the employer should contact E-Verify at 1-888-464-4218.

D. RESPONSIBILITIES OF DHS

1. DHS agrees to provide the Employer with selected data from DHS databases to enable the Employer to conduct, to the extent authorized by this MOU:

a. Automated verification checks on alien employees by electronic means, and

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- b. Photo verification checks (when available) on employees.
2. DHS agrees to assist the Employer with operational problems associated with the Employer's participation in E-Verify. DHS agrees to provide the Employer names, titles, addresses, and telephone numbers of DHS representatives to be contacted during the E-Verify process.
3. DHS agrees to provide to the Employer with access to E-Verify training materials as well as an E-Verify User Manual that contain instructions on E-Verify policies, procedures, and requirements for both SSA and DHS, including restrictions on the use of E-Verify.
4. DHS agrees to train Employers on all important changes made to E-Verify through the use of mandatory refresher tutorials and updates to the E-Verify User Manual. Even without changes to E-Verify, DHS reserves the right to require employers to take mandatory refresher tutorials.
5. DHS agrees to provide to the Employer a notice, which indicates the Employer's participation in E-Verify. DHS also agrees to provide to the Employer anti-discrimination notices issued by the Office of Special Counsel for Immigration-Related Unfair Employment Practices (OSC), Civil Rights Division, U.S. Department of Justice.
6. DHS agrees to issue each of the Employer's E-Verify users a unique user identification number and password that permits them to log in to E-Verify.
7. DHS agrees to safeguard the information the Employer provides, and to limit access to such information to individuals responsible for the verification process, for evaluation of E-Verify, or to such other persons or entities as may be authorized by applicable law. Information will be used only to verify the accuracy of Social Security numbers and employment eligibility, to enforce the INA and Federal criminal laws, and to administer Federal contracting requirements.
8. DHS agrees to provide a means of automated verification that provides (in conjunction with SSA verification procedures) confirmation or tentative nonconfirmation of employees' employment eligibility within three Federal Government work days of the initial inquiry.
9. DHS agrees to provide a means of secondary verification (including updating DHS records) for employees who contest DHS tentative nonconfirmations and photo mismatch tentative nonconfirmations. This provides final confirmation or nonconfirmation of the employees' employment eligibility within 10 Federal Government work days of the date of referral to DHS, unless DHS determines that more than 10 days may be necessary. In such cases, DHS will provide additional verification instructions.

ARTICLE III

REFERRAL OF INDIVIDUALS TO SSA AND DHS

A. REFERRAL TO SSA

1. If the Employer receives a tentative nonconfirmation issued by SSA, the Employer must print the notice as directed by E-Verify. The Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify

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case. The Employer also agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Employer agrees to provide written referral instructions to employees and instruct affected employees to bring the English copy of the letter to the SSA. The Employer must allow employees to contest the finding, and not take adverse action against employees if they choose to contest the finding, while their case is still pending.

2. The Employer agrees to obtain the employee's response about whether he or she will contest the tentative nonconfirmation as soon as possible after the Employer receives the tentative nonconfirmation. Only the employee may determine whether he or she will contest the tentative nonconfirmation.
3. After a tentative nonconfirmation, the Employer will refer employees to SSA field offices only as directed by E-Verify. The Employer must record the case verification number, review the employee information submitted to E-Verify to identify any errors, and find out whether the employee contests the tentative nonconfirmation. The Employer will transmit the Social Security number, or any other corrected employee information that SSA requests, to SSA for verification again if this review indicates a need to do so.
4. The Employer will instruct the employee to visit an SSA office within eight Federal Government work days. SSA will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary.
5. While waiting for case results, the Employer agrees to check the E-Verify system regularly for case updates.
6. The Employer agrees not to ask the employee to obtain a printout from the Social Security Administration number database (the Numident) or other written verification of the SSN from the SSA.

B. REFERRAL TO DHS

1. If the Employer receives a tentative nonconfirmation issued by DHS, the Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify case. The Employer also agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Employer must allow employees to contest the finding, and not take adverse action against employees if they choose to contest the finding, while their case is still pending.
2. The Employer agrees to obtain the employee's response about whether he or she will contest the tentative nonconfirmation as soon as possible after the Employer receives the tentative nonconfirmation. Only the employee may determine whether he or she will contest the tentative nonconfirmation.
3. The Employer agrees to refer individuals to DHS only when the employee chooses to contest a tentative nonconfirmation.
4. If the employee contests a tentative nonconfirmation issued by DHS, the Employer will instruct the

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employee to contact DHS through its toll-free hotline (as found on the referral letter) within eight Federal Government work days.

5. If the Employer finds a photo mismatch, the Employer must provide the photo mismatch tentative nonconfirmation notice and follow the instructions outlined in paragraph 1 of this section for tentative nonconfirmations, generally.
6. The Employer agrees that if an employee contests a tentative nonconfirmation based upon a photo mismatch, the Employer will send a copy of the employee's Form I-551, Form I-766, U.S. Passport, or passport card to DHS for review by:
 - a. Scanning and uploading the document, or
 - b. Sending a photocopy of the document by express mail (furnished and paid for by the employer).
7. The Employer understands that if it cannot determine whether there is a photo match/mismatch, the Employer must forward the employee's documentation to DHS as described in the preceding paragraph. The Employer agrees to resolve the case as specified by the DHS representative who will determine the photo match or mismatch.
8. DHS will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary.
9. While waiting for case results, the Employer agrees to check the E-Verify system regularly for case updates.

ARTICLE IV SERVICE PROVISIONS

A. NO SERVICE FEES

1. SSA and DHS will not charge the Employer for verification services performed under this MOU. The Employer is responsible for providing equipment needed to make inquiries. To access E-Verify, an Employer will need a personal computer with Internet access.

ARTICLE V MODIFICATION AND TERMINATION

A. MODIFICATION

1. This MOU is effective upon the signature of all parties and shall continue in effect for as long as the SSA and DHS operates the E-Verify program unless modified in writing by the mutual consent of all parties.
2. Any and all E-Verify system enhancements by DHS or SSA, including but not limited to E-Verify checking against additional data sources and instituting new verification policies or procedures, will be covered under this MOU and will not cause the need for a supplemental MOU that outlines these changes.

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B. TERMINATION

1. The Employer may terminate this MOU and its participation in E-Verify at any time upon 30 days prior written notice to the other parties.
2. Notwithstanding Article V, part A of this MOU, DHS may terminate this MOU, and thereby the Employer's participation in E-Verify, with or without notice at any time if deemed necessary because of the requirements of law or policy, or upon a determination by SSA or DHS that there has been a breach of system integrity or security by the Employer, or a failure on the part of the Employer to comply with established E-Verify procedures and/or legal requirements. The Employer understands that if it is a Federal contractor, termination of this MOU by any party for any reason may negatively affect the performance of its contractual responsibilities. Similarly, the Employer understands that if it is in a state where E-Verify is mandatory, termination of this by any party MOU may negatively affect the Employer's business.
3. An Employer that is a Federal contractor may terminate this MOU when the Federal contract that requires its participation in E-Verify is terminated or completed. In such cases, the Federal contractor must provide written notice to DHS. If an Employer that is a Federal contractor fails to provide such notice, then that Employer will remain an E-Verify participant, will remain bound by the terms of this MOU that apply to non-Federal contractor participants, and will be required to use the E-Verify procedures to verify the employment eligibility of all newly hired employees.
4. The Employer agrees that E-Verify is not liable for any losses, financial or otherwise, if the Employer is terminated from E-Verify.

ARTICLE VI PARTIES

- A. Some or all SSA and DHS responsibilities under this MOU may be performed by contractor(s), and SSA and DHS may adjust verification responsibilities between each other as necessary. By separate agreement with DHS, SSA has agreed to perform its responsibilities as described in this MOU.
- B. Nothing in this MOU is intended, or should be construed, to create any right or benefit, substantive or procedural, enforceable at law by any third party against the United States, its agencies, officers, or employees, or against the Employer, its agents, officers, or employees.
- C. The Employer may not assign, directly or indirectly, whether by operation of law, change of control or merger, all or any part of its rights or obligations under this MOU without the prior written consent of DHS, which consent shall not be unreasonably withheld or delayed. Any attempt to sublicense, assign, or transfer any of the rights, duties, or obligations herein is void.
- D. Each party shall be solely responsible for defending any claim or action against it arising out of or related to E-Verify or this MOU, whether civil or criminal, and for any liability wherefrom, including (but not limited to) any dispute between the Employer and any other person or entity regarding the applicability of Section 403(d) of IIRIRA to any action taken or allegedly taken by the Employer.
- E. The Employer understands that its participation in E-Verify is not confidential information and may be disclosed as authorized or required by law and DHS or SSA policy, including but not limited to,

Company ID Number: 1296212

Congressional oversight, E-Verify publicity and media inquiries, determinations of compliance with Federal contractual requirements, and responses to inquiries under the Freedom of Information Act (FOIA).

F. The individuals whose signatures appear below represent that they are authorized to enter into this MOU on behalf of the Employer and DHS respectively. The Employer understands that any inaccurate statement, representation, data or other information provided to DHS may subject the Employer, its subcontractors, its employees, or its representatives to: (1) prosecution for false statements pursuant to 18 U.S.C. 1001 and/or; (2) immediate termination of its MOU and/or; (3) possible debarment or suspension.

G. The foregoing constitutes the full agreement on this subject between DHS and the Employer.

To be accepted as an E-Verify participant, you should only sign the Employer's Section of the signature page. If you have any questions, contact E-Verify at 1-888-464-4218.

Company ID Number: 1296212

Approved by:

| | |
|--|--------------------|
| Employer Tetra Tech | |
| Name (Please Type or Print) Michelle L Renta | Title |
| Signature Electronically Signed | Date 05/03/2018 |
| Department of Homeland Security – Verification Division | |
| Name (Please Type or Print) USCIS Verification Division | Title |
| Signature Electronically Signed | Date 05/03/2018 |

Company ID Number: 1296212

Information Required for the E-Verify Program**Information relating to your Company:**

| | |
|---|--|
| Company Name | Tetra Tech |
| Company Facility Address | 2301 Lucien Way Ste 120 Maitland, FL 32751 |
| Company Alternate Address | |
| County or Parish | ORANGE |
| Employer Identification Number | 954148514 |
| North American Industry Classification Systems Code | 561 |
| Parent Company | |
| Number of Employees | 100 to 499 |
| Number of Sites Verified for | 51 |

Company ID Number: 1296212

Are you verifying for more than 1 site? If yes, please provide the number of sites verified for in each State:

| | | | |
|----------------|-----------|---------------|-----------|
| ALABAMA | 1 site(s) | WASHINGTON | 1 site(s) |
| ARKANSAS | 1 site(s) | WISCONSIN | 1 site(s) |
| ARIZONA | 1 site(s) | WEST VIRGINIA | 1 site(s) |
| CALIFORNIA | 1 site(s) | WYOMING | 1 site(s) |
| COLORADO | 1 site(s) | | |
| CONNECTICUT | 1 site(s) | | |
| DIST OF COL | 1 site(s) | | |
| DELAWARE | 1 site(s) | | |
| FLORIDA | 1 site(s) | | |
| GEORGIA | 1 site(s) | | |
| IOWA | 1 site(s) | | |
| IDAHO | 1 site(s) | | |
| ILLINOIS | 1 site(s) | | |
| INDIANA | 1 site(s) | | |
| KANSAS | 1 site(s) | | |
| KENTUCKY | 1 site(s) | | |
| LOUISIANA | 1 site(s) | | |
| MASSACHUSETTS | 1 site(s) | | |
| MARYLAND | 1 site(s) | | |
| MAINE | 1 site(s) | | |
| MICHIGAN | 1 site(s) | | |
| MINNESOTA | 1 site(s) | | |
| MISSOURI | 1 site(s) | | |
| MISSISSIPPI | 1 site(s) | | |
| MONTANA | 1 site(s) | | |
| NORTH CAROLINA | 1 site(s) | | |
| NORTH DAKOTA | 1 site(s) | | |
| NEBRASKA | 1 site(s) | | |
| NEW HAMPSHIRE | 1 site(s) | | |
| NEW JERSEY | 1 site(s) | | |
| NEW MEXICO | 1 site(s) | | |
| NEVADA | 1 site(s) | | |
| NEW YORK | 1 site(s) | | |
| OHIO | 1 site(s) | | |
| OKLAHOMA | 1 site(s) | | |
| OREGON | 1 site(s) | | |
| PENNSYLVANIA | 1 site(s) | | |
| PUERTO RICO | 1 site(s) | | |
| RHODE ISLAND | 1 site(s) | | |
| SOUTH CAROLINA | 1 site(s) | | |
| SOUTH DAKOTA | 1 site(s) | | |
| TENNESSEE | 1 site(s) | | |
| TEXAS | 1 site(s) | | |
| UTAH | 1 site(s) | | |
| VIRGINIA | 1 site(s) | | |
| VIRGIN ISLANDS | 1 site(s) | | |
| VERMONT | 1 site(s) | | |

Company ID Number: 1296212

Information relating to the Program Administrator(s) for your Company on policy questions or operational problems:

Name Shannon Stuver
Phone Number (541) 482 - 8939
Fax Number
Email Address Shannon.Stuver@tetrattech.com

Name Diane Stopa
Phone Number (703) 885 - 5518
Fax Number
Email Address Diane.Stopa@tetrattech.com

Name Karen Bollinger
Phone Number (816) 412 - 1743
Fax Number
Email Address Karen.Bollinger@tetrattech.com

Name Danielle De Herrera
Phone Number (626) 470 - 2419
Fax Number
Email Address Danielle.DeHerrera@tetrattech.com

Name Michelle L Renta
Phone Number (321) 441 - 8507
Fax Number
Email Address Michelle.Renta@tetrattech.com

Company ID Number: 1296212

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NON-COLLUSION AFFIDAVIT

Solicitation #20230045

Debris Monitoring Services

State of Florida }

County of Orange }

Jonathan Burgiel, being first duly sworn, disposes and says that:
(Name/s)

1. They are Business Unit President of Tetra Tech, Inc. the Proposer that
(Title) (Name of Company)

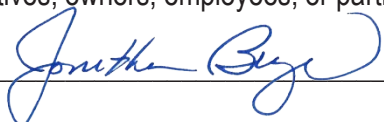
has submitted the attached PROPOSAL;

2. He is fully informed respecting the preparation and contents of the attached proposal and of all pertinent circumstances respecting such PROPOSAL;

3. Such Proposal is genuine and is not a collusive or sham Proposal;

4. Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Proposer, firm or person to submit a collusive or sham Proposal in connection with the contract for which the attached proposal has been submitted or to refrain from proposing in connection with such Contract or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm or person to fix the price or prices in the attached Proposal or of any other Proposer, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Port St. Lucie or any person interested in the proposed Contract; and

5. The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(Signed) 

(Title) Business Unit President



STATE OF FLORIDA }
COUNTY OF ST. LUCIE} SS:

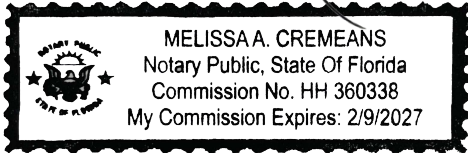
The foregoing instrument was acknowledged before me this (Date) June 6, 2024

by: Jonathan Burgiel who is personally known to me or who has produced
_____ as identification and who did (did not) take an oath.

Commission No. HH 360338

Notary Print: Melissa Cremeans

Notary Signature: _____



DRUG-FREE WORKPLACE FORM
e-RFP #20230045
Debris Monitoring Services

The undersigned vendor in accordance with Florida Statute 287.087 hereby certifies that

Tetra Tech, Inc. does:
(Name of Business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under proposal a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 Florida Statutes or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.


Consultant's Signature

June 6, 2024
Date

CITY OF PORT ST. LUCIE, FLORIDA
eBID No. #20230045
PROJECT TITLE: Debris Monitoring Services

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Primary Covered Transactions

The Contractor certifies that, the firm or any person associated therewith in the capacity of owner, partner, director, officer, principal, investigator, project director, manager, auditor, and/or position involving the administration of federal funds:

(a) are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions, as defined in 49 CFR s29.110(a), by any federal department or agency;

(b) have not within a three-year period preceding this certification been convicted of or had a civil judgment rendered against it for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a federal, state, or local government transaction or public contract; violation of federal or state antitrust statutes; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property

(c) are not presently indicted for or otherwise criminally or civilly charged by a federal, state, or local governmental entity with commission of any of the offenses enumerated in paragraph (b) of this certification; and

(d) have not within a three-year period preceding this certification had one or more federal, state, or local government public transactions terminated for cause or default.

The Contractor certifies that it shall not knowingly enter into any transaction with any subcontractor, material supplier, or vendor who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this project by any federal agency unless authorized by the Florida Department of Transportation.”

Company Name: Tetra Tech, Inc.

Authorized By: 
(Sign)

Jonathan Burgiel
(Print Name)

Title: Business Unit President

Date: June 6, 2024

*****All subcontractors are required to submit this form with the prime contractor's proposal** This is a mandatory document. No exceptions will be made.***

CITY OF PORT ST. LUCIE, FLORIDA
eBID No. #20230045
PROJECT TITLE: Debris Monitoring Services

CERTIFICATION REGARDING LOBBYING

The undersigned Contractor certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form – LLL, “Disclosure Form to Report Lobbying,” in accordance with its instructions [as amended by “Government wide Guidance for New Restrictions on Lobbying”, 61 Fed. Reg. 1413 (1/19/96). Note: Language in paragraph (2) herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (P.L. 104-65, to be codified at 2 U.S.C. 1601, *et seq.*)]
- (3) The undersigned shall require that the language of this certification be included in the awards documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

[Note: Pursuant to 31 U.S.C. 1352 (1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such expenditure or failure]

The Contractor, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. A 3801, *et seq.*, apply to this certification and disclosure, if any.

Company Name: Tetra Tech, Inc.

Authorized By:  Jonathan Burgiel
(Sign) (Print Name)

Title: Business Unit President Date: June 6, 2024

*****ALL SUBCONTRACTORS ARE REQUIRED TO FILL OUT THIS FORM AND SUBMIT WITH BID PACKAGE*** This is a mandatory document. No exceptions will be made.**

Tab 5 – Price Proposal

Pricing Proposal Form and Rates for Additional Services

Tetra Tech strives to provide our clients with quality services at reasonable, competitive hourly rates. We know that our clients will seek state and federal reimbursement for our debris monitoring services and as such we are cognizant that our hourly rates and fees for services provided must be fair and reasonable. Provided on the following pages, Tetra Tech has included the completed pricing proposal form and rates for additional services.

Please note the following regarding the completed pricing proposal form:

- **Line Item 2:** The Lead Monitor position is a duplicate of the Supervising Monitor and therefore will not be utilized.
- **Line Item 3:** The Site Monitor position is a duplicate of the Loading Site Monitor position and therefore will not be utilized.
- **Line Item 8:** The Clerical Staff/Data Entry Clerk position is typically applicable when paper ticketing is used. Per the City's RFP, the use of an Automated Debris Management System (electronic ticketing system) is required. As such, the Clerical Staff/Data Entry Clerk position will not be utilized for this project.
- **Line Item 15-18:** Tetra Tech will provide aerial photographs of debris sites requested by the City utilizing an unmanned aerial vehicle (drone) at no charge.

In addition, per the RFP the resulting hourly rates will remain firm for the term of the contract and the term of the contract will be three (3) years with the option to extend for one (1) two-year renewal. For any optional renewals, Tetra Tech shall submit a written request to the City prior to each anniversary date of the contract and at the discretion of the City, an annual price increase may be negotiated. Any rate adjustment approved by the City will be based on the latest yearly percentage increase of the Consumer Price Index for All Urban Consumers (CPI-U)(All Items) as published by the Bureau of Labor Statistics, U.S. Department of Labor.

Cost Reasonableness

Per the RFP, Attachment E item 11 and Addendum 2 question 4, the City is requesting contractors to provide justification for cost reasonableness and per 2 CFR 200, cost reasonableness is based on 1. competitive bidding and 2. reasonable profit:

1. **Competitive Bidding:** the resulting contract is based on competitive bidding which creates a transparent environment that is open and fair, and;
2. **Reasonable Profit:** the profit margin for Tetra Tech's services firm-wide, as described in the Tetra Tech 10K (see link below), is 6.05% and we would expect the fees here to be in this range. Our experience with disaster recovery engagements is that profit margins on a per Task Order basis can vary due to unanticipated time investment related to issues such as non-standard scopes of work, timeframes for delivery, staffing mix or unanticipated process issues. Our estimated profit margin is also subject to the fluctuation in annual costs such as: (1) staff compensation; (2) staff benefits; (3) the Firm's administrative overhead allocated; (4) business unit overhead allocation; (5) year in which the task order is issued. Note too that our profit considerations are a bit different when addressing senior team members who are at the Principal in Chart/Project Executives. This varies based on many factors but we would also note that Principal in Chart/Project Executive's profit per staff is lower than the values indicated for disaster recovery consulting, even lower than firms that are comparable to our size and footprint.

Tetra Tech's 10K can be found on Tetra Tech website at [Tetra Tech, Inc. - Financials - Annual Reports](#)

City of Port St Lucie
Procurement Management Department
RFP# 20230045
Debris Monitoring Services
Excel Bid Reply - Cost Worksheet - Schedule A (Attachment C)

COMPANY NAME Tetra Tech, Inc.

| ITEM # | DESCRIPTION | HOURLY RATE | PROJECT WEEKS | HOURS PER WEEK | TOTAL HOURS | TOTAL COST |
|--------|--|-------------|---------------|----------------|-------------|--------------|
| 1 | Project Manager/ Liaison Officer (1) | \$50.00 | 8 | 84 | 672 | \$33,600.00 |
| 2 | Lead Monitors (2) | N/A | 8 | 84 | 672 | N/A |
| 3 | Site Monitors (2) | N/A | 8 | 84 | 672 | N/A |
| 4 | Field Monitors (14) | \$38.50 | 8 | 84 | 672 | \$25,872.00 |
| 5 | Supervising Monitor | \$48.00 | 8 | 84 | 672 | \$32,256.00 |
| 6 | Loading Site Monitors (30) | \$38.50 | 8 | 84 | 672 | \$25,872.00 |
| 7 | Clerical/Administrative Supervisor (1) | \$45.00 | 8 | 84 | 672 | \$30,240.00 |
| 8 | Clerical Staff/Data Entry Clerk (1-3) | N/A | 8 | 84 | 672 | N/A |
| 9 | SUBTOTAL | | | | | \$147,840.00 |
| 10 | Management Site Monitor | \$35.00 | | | | |
| 11 | Roving Monitor | \$35.00 | | | | |
| 12 | Debris Management Contractor | \$110.00 | | | | |
| 13 | Call Center/Public Information Monitors | \$34.00 | | | | |
| 14 | Administrative Staff | \$34.00 | | | | |
| 15 | Aerial Photo Package (one flight and one photograph) | \$0.00 | | | | |
| 16 | Photograph Copies (per duplication of original photo) | \$0.00 | | | | |
| 17 | Additional Photographs (per photo, same flight, same location, different view) | \$0.00 | | | | |
| 18 | Additional Location (one photo, same flight, different location) | \$0.00 | | | | |


All reimbursable expenses are to be included in the hourly rate.

NOTE: Billable hours shall be for time during which work is performed and shall not include travel time to or from the City. Travel times between locations within the City as billable time is acceptable.

Contractor Name: Jonathan Burgiel

Contractor Title: Business Unit President

Contractor Email: TDR.contracts@tetrattech.com

Contractor Signature: 

Rates for Additional Services

As requested in the RFP, Tetra Tech is including descriptions and hourly rates for additional personnel beyond the requested debris monitoring personnel. These provided grant management and/or disaster recovery consulting roles would be activated upon request of the City and go beyond the scope of work for disaster debris monitoring. In the interest of providing the City of Port St. Lucie with turnkey disaster recovery services, we have provided a rate schedule for optional, additional positions that may be leveraged to fulfill additional areas of work outside the scope of debris monitoring. If the City requires additional information, it will be provided upon request.

Grant Management Consulting Services and Emergency Management Planning Hourly Rates

| Grant Management Consulting Services | |
|---------------------------------------|-------------|
| Category | Hourly Rate |
| Subject Matter Expert | \$245.00 |
| Senior FEMA Reimbursement Specialist | \$145.00 |
| Project Manager | \$175.00 |
| Senior Grants Management Consultant | \$185.00 |
| Project Grants Management Consultant | \$145.00 |
| Grants Management Consultant | \$125.00 |
| FEMA Reimbursement Specialist | \$125.00 |
| Grants Administrator | \$115.00 |
| Senior Consultant/ Planner/ Engineer | \$185.00 |
| Project Consultant/ Planner/ Engineer | \$165.00 |
| Consultant/ Planner/ Engineer | \$125.00 |
| Floodplain Mgmt Specialist | \$165.00 |
| Benefit Cost Analysis Specialist | \$165.00 |
| Grants Data Specialist | \$105.00 |
| Senior Engineering Technician | \$115.00 |
| Engineering Technician | \$105.00 |
| Senior Field Technician | \$95.00 |
| Field Technician | \$85.00 |
| Administrative Specialist | \$65.00 |
| Emergency Management Planning | |
| Category | Hourly Rate |
| Project Manager | \$170.00 |
| Planner IV | \$160.00 |
| Planner III | \$145.00 |
| Planner II | \$120.00 |
| Planner I | \$105.00 |

Position Descriptions for Additional Services

Grant Management Consulting Services

Subject Matter Expert: The Subject Matter Expert provides subject area expertise, guidance and expert technical analyses and advice in specific technical areas to support management, organizational and business decisions for clients (including emergency management, Public Assistance Grant Program, homeland security, and terrorism). Participates in meetings, task groups, teams, reviews and other environments to assist in collaborative results. Prepares reports, presentations and papers to document findings, opinions and recommendations. Supervises teams in accomplishing tasks and trains subordinate technical staff in the technical aspects of assigned work.

Senior FEMA Reimbursement Specialist: The Senior FEMA Reimbursement Specialist plays a crucial role in managing and overseeing the reimbursement process for emergency and disaster-related expenses incurred by the organization. This position involves collaborating closely with various teams and government agencies to ensure that all eligible expenses are properly documented, submitted, and reimbursed in a timely manner.

Project Manager: The Project Manager makes independent decisions regarding grant guidance; must be able to understand and interpret the federal grant eligibility and activities; perform business related research to support client needs; and work with the team in the analysis, formulation, development and delivery of material and results.

Senior Grants Management Consultant: The Senior Grant Management consultant provides subject matter expertise in federal, state, and local grant funding for disaster response and recovery. They lead grant management activities, advise on grant policy interpretations, and provide consultation to the City and project manager as needed to manage complex grant management activities.

Project Grants Management Consultant: The Project Grants Management Consultant is a seasoned professional responsible for overseeing all aspects of grants management within a specific project or program. This role requires a keen understanding of grant funding, compliance regulations, and project coordination to ensure the successful implementation and financial integrity of grant-funded initiatives.

Grants Management Consultant: The Grant Management Consultant provides guidance and support in managing federal, state, and local grant funding for disaster response and recovery. They will help the City with grant policy interpretations and provide support to the City and project manager as needed to support routine grant management activities.

FEMA Reimbursement Specialist: A FEMA Specialist will assist in providing examples of historical precedent and work with FEMA on disaster-specific guidance. They will help the City with FEMA policy interpretations, institute corrective processes and procedures to address project deficiencies, and provide consultation to the City and project manager.

Grants Administrator: The Grants Administrator is responsible for a wide array of administrative duties, including maintaining work product records, project filing, word processing, document proofing, project communications and correspondence, and assisting the project manager with miscellaneous administrative and clerical tasks.

Senior Consultant/ Planner/ Engineer: The Senior Consultant/Planner/Analyst applies diversified knowledge of consulting, emergency planning, and federal reimbursement principles and practices to a broad variety of assignments and related fields. Individuals at this level make decisions independently regarding strategic and action planning complexities and methods. At this level, supervision and guidance relate largely to overall project objectives, critical issues, new concepts and policy matters. A supervisor would be consulted concerning unusual problems and developments, should the occur with FEMA, GDEM, or OIG related to reimbursement of activities associated with a disaster. Senior Consultants/Planners/Analysts often lead teams of consultants, planners, analysts or technicians.

Project Consultant/Planner/Engineer: The Project Consultant/Planner/Engineer is a vital contributor to our team, assisting in various aspects of consulting, emergency planning, and federal reimbursement initiatives. This position involves actively participating in a wide range of assignments and related fields under the guidance of senior professionals.

Consultant/Planner/Engineer: The Consultant/Planner/Engineer plays a pivotal role, contributing to consulting, planning, and engineering projects with a focus on emergency management and federal reimbursement. This position involves taking on increased responsibilities and actively participating in various assignments.

Floodplain Management Specialist: The Floodplain Management Specialist is responsible for ensuring that all federally and locally designated floodplains meet the rules outlined in the City Code, as well as State and Federal regulations. This position is actively involved in the FEMA Community Rating System (CRS) program and leads community efforts to raise awareness about floods and safety.

Benefit Cost Analysis Specialist: The Benefit-Cost Analysis (BCA) Specialist manages the development of grant applications and BCAs. This position reviews grant applications and BCAs for eligibility and technical soundness and follows through for post-award grant management. This position also oversees the identification of and assistance with the pursuit of opportunities related to federal grant programs.

Grants Data Specialist: Responsible for a wide array of duties including, but not limited to: research, data collection, and analysis, project communications and correspondence, and assisting the Project Manager on miscellaneous technical tasks. Performs standard analytical work requiring the application of standard techniques and procedures. May perform higher-level work for training/development purposes.

Administrative Specialist: The Administrative Specialists are responsible for a wide array of administrative duties including, but not limited to, the following: maintaining work product records, project filing, word processing, document proofing, project communications and correspondence, and assisting the Project Manager on miscellaneous administrative and clerical tasks.

Emergency Management Planning

Project Manager: The Project Manager is responsible for the day-to-day operations of the engagement including contractual/business aspects. The responsibilities of the Project Manager include, but are not limited to, providing assistance to the Principal-in-Charge in the administration of Tetra Tech's contract with the Client; enforcement of the contract provisions; serving as the primary point of contact for Client staff; maintaining appropriate staffing levels; implementation of quality assurance and control measures; review of daily activity; ensuring that appropriate activities are reimbursable to the client under various grant programs (including the FEMA Public Assistance program); review and submittal of invoices; and overall management and oversight of the City project and Tetra Tech's involvement in the action planning and process improvements.

Planner IV: The Planner IV position uses their background in grant implementation to assist disaster survivors and their communities in recovering from disaster events. The Planner will work closely with a dynamic team of practice leaders, subject matter experts, and project managers to implement federally funded programs across the U.S. The position is responsible for developing and implementing plans to help communities recover from natural disasters. This includes working with community leaders, stakeholders, and government agencies to assess damage, identify needs, and develop strategies for rebuilding. The Planner may also be responsible for managing grant funds and monitoring progress.

Planner III: The Planner III position is responsible for providing support to a wide range of communities in order to meet federal goals for grant reimbursement. The Planner creates comprehensive plans, mitigation plans, master plans, disaster recovery plans, and more to support the teams. They are responsible for collecting and analyzing data, and then incorporating this information into their planning documents and other related documents.

Planner II: The Planner II plays an integral role in supporting various community initiatives aimed at achieving federal grant reimbursement objectives. This position involves collaborating closely with senior planners and project teams to develop essential planning documents, including comprehensive plans, mitigation plans, master plans, disaster recovery plans, and other documents.

Planner I: The Planner I plays a fundamental role in our team, offering vital support in various aspects of community planning, particularly related to federal grant reimbursement initiatives. This position involves assisting more senior planners in creating essential planning documents and gathering and analyzing data for projects.



CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
10/01/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| | | | |
|---|--|--|---------------|
| PRODUCER Aon Risk Insurance Services West, Inc. Los Angeles CA Office 707 Wilshire Boulevard Suite 2600 Los Angeles CA 90017-0460 USA | CONTACT NAME: PHONE (A/C. No. Ext): (866) 283-7122 FAX (A/C. No.): (800) 363-0105 | | |
| | E-MAIL ADDRESS: | | |
| INSURED Tetra Tech, Inc. 3475 E. Foothill Boulevard Pasadena, CA 91107 USA | INSURER(S) AFFORDING COVERAGE | | NAIC # |
| | INSURER A: Zurich American Ins Co | | 16535 |
| | INSURER B: Allied World Surplus Lines Ins Co | | 24319 |
| | INSURER C: American International Group UK Ltd | | AA1120187 |
| | INSURER D: | | |
| | INSURER E: | | |
| INSURER F: | | | |

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. **Limits shown are as requested**

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | | |
|----------|--|-----------|----------|--|--------------------------|--------------------------|---|----------------------------|-------------|
| A | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> X,C,U Coverage GENL AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER: | | | GL0181740605 | 10/01/2023 | 10/01/2024 | EACH OCCURRENCE | \$2,000,000 | |
| | | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) | \$1,000,000 | |
| | | | | | | | | MED EXP (Any one person) | \$10,000 |
| | | | | | | | | PERSONAL & ADV INJURY | \$2,000,000 |
| | | | | | | | GENERAL AGGREGATE | \$4,000,000 | |
| | | | | | | | PRODUCTS - COMP/OP AGG | \$4,000,000 | |
| A | <input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY | | | BAP 857085 05 | 10/01/2023 | 10/01/2024 | COMBINED SINGLE LIMIT (Ea accident) | \$5,000,000 | |
| | | | | | | | BODILY INJURY (Per person) | | |
| | | | | | | | BODILY INJURY (Per accident) | | |
| | | | | | | | PROPERTY DAMAGE (Per accident) | | |
| C | <input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$100,000 | | | 62785232 | 10/01/2023 | 10/01/2024 | EACH OCCURRENCE | \$1,000,000 | |
| | | | | | | | AGGREGATE | \$1,000,000 | |
| A 5 | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | | | WC254061605 AOS WC185708705 WI | 10/01/2023 10/01/2023 | 10/01/2024 10/01/2024 | <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT | \$1,000,000 | |
| | | | | | | | E.L. DISEASE-EA EMPLOYEE | \$1,000,000 | |
| | | | | | | | E.L. DISEASE-POLICY LIMIT | \$1,000,000 | |
| B | Professional Liability and Contractor's Pollution Liability | | | 03120276 Prof/Poll Liab-Claims Mad SIR applies per policy terms & conditions | 10/01/2023 | 10/01/2024 | Each Claim Aggregate | \$1,000,000 \$1,000,000 | |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

| | |
|--|---|
| CERTIFICATE HOLDER Evidence of Insurance | CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. |
| | AUTHORIZED REPRESENTATIVE <i>Aon Risk Insurance Services West, Inc.</i> |

Request for Taxpayer Identification Number and Certification

**Give Form to the
 requester. Do not
 send to the IRS.**

▶ Go to www.irs.gov/FormW9 for instructions and the latest information.

| | | | |
|-----------------------|---|--|---|
| Print or type. | See Specific Instructions on page 3. | <p>1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. Tetra Tech, Inc.</p> <p>2 Business name/disregarded entity name, if different from above</p> | |
| | | <p>3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.</p> <p><input type="checkbox"/> Individual/sole proprietor or single-member LLC</p> <p><input checked="" type="checkbox"/> C Corporation</p> <p><input type="checkbox"/> S Corporation</p> <p><input type="checkbox"/> Partnership</p> <p><input type="checkbox"/> Trust/estate</p> <p><input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____</p> <p>Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.</p> <p><input type="checkbox"/> Other (see instructions) ▶ _____</p> | <p>4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):</p> <p>Exempt payee code (if any) _____</p> <p>Exemption from FATCA reporting code (if any) _____</p> <p><small>(Applies to accounts maintained outside the U.S.)</small></p> |
| | | <p>5 Address (number, street, and apt. or suite no.) See instructions. 3475 East Foothill Boulevard</p> <p>6 City, state, and ZIP code Pasadena, CA 91107</p> | <p>Requester's name and address (optional)</p> |
| | | <p>7 List account number(s) here (optional)</p> | |

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

| | | | | | | | | | | |
|---------------------------------------|---|--|---|---|---|---|---|---|---|---|
| Social security number | | | | | | | | | | |
| | | | | | | | | | | |
| or | | | | | | | | | | |
| Employer identification number | | | | | | | | | | |
| 9 | 5 | | - | 4 | 1 | 4 | 8 | 5 | 1 | 4 |

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

| | | |
|------------------|---|--------------------------------|
| Sign Here | Signature of U.S. person ▶ <i>Lisa Ames</i> | Date ▶ February 7, 2024 |
|------------------|---|--------------------------------|

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.