

RESOLUTION NO. 2845

A RESOLUTION OF THE CITY OF WILSONVILLE AUTHORIZING THE CITY MANAGER TO EXECUTE A PERSONAL SERVICES AGREEMENT CONTRACT WITH TETRA TECH FOR DEVELOPMENT OF THE CITY'S WATER SYSTEM RISK AND RESILIENCE ASSESSMENT AND EMERGENCY RESPONSE PLAN AS REQUIRED BY THE AMERICA'S WATER INFRASTRUCTURE ACT OF 2018.

WHEREAS, on October 23, 2018, America's Water Infrastructure Act (AWIA) was sign into law; and

WHEREAS, AWIA Section 2013 requires community drinking water systems serving more than 3,300 people to develop or update risk assessment and emergency response plans (ERPs); and

WHEREAS, the law specifies the components that the risk and resilience assessment (RRA) and ERPs must address and establishes the deadlines by which water systems must certify to the Environmental Protection Agency (EPA) completion of the risk assessment and ERP; and

WHEREAS, Wilsonville's population serviced is between 3,301 and 49,999 requiring a certification deadline of June 30, 2021 for the RRA and December 31, 2021 for the ERP; and

WHEREAS, Tetra Tech is qualified to perform the services required by the America's Water Infrastructure Act; and

NOW, THEREFORE, THE CITY OF WILSONVILLE RESOLVES AS FOLLOWS:

- Section 1. The procurement process for the Project duly followed Oregon Contracting Rules, and Tetra Tech was selected to provide the Risk and Resilience and Emergency Response Plan services.
- Section 2. The City of Wilsonville, acting as the Local Contract Review Board, authorizes the City Manager to enter into and execute, on behalf of the City of Wilsonville, a Professional Services Agreement with Tetra Tech for a not-to-exceed amount of \$100,879.
- Section 3. This resolution is effective upon adoption.

ADOPTED by the Wilsonville City Council at a regular meeting there of this 21st day of September 2020, and filed with the Wilsonville City Recorder this date.

DocuSigned by:

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TIM KNAPP, MAYOR

ATTEST:

DocuSigned by:

E781DE102769490...

Kimberly Veliz, City Recorder

SUMMARY OF VOTES:

Mayor Knapp	Yes
Council President Akervall	Yes
Councilor Lehan	Excused
Councilor West	Yes
Councilor Linville	Yes

EXHIBIT:

- A. Water System Risk and Resilience Assessment and Emergency Response Plan-
Professional Service Agreement

CITY OF WILSONVILLE PROFESSIONAL SERVICES AGREEMENT

This Professional Services Agreement (“Agreement”) for the Water System Risk and Resilience Assessment and Emergency Response Plan (“Project”) is made and entered into on this ____ day of _____ 2020 (“Effective Date”) by and between the **City of Wilsonville**, a municipal corporation of the State of Oregon (hereinafter referred to as the “City”), and **Tetra Tech, Inc.**, a Delaware corporation (hereinafter referred to as “Consultant”).

RECITALS

WHEREAS, the City requires services which Consultant is capable of providing, under terms and conditions hereinafter described; and

WHEREAS, Consultant represents that Consultant is qualified to perform the services described herein on the basis of specialized experience and technical expertise; and

WHEREAS, Consultant is prepared to provide such services as the City does hereinafter require.

NOW, THEREFORE, in consideration of these mutual promises and the terms and conditions set forth herein, the parties agree as follows:

AGREEMENT

Section 1. Scope of Work

Consultant shall diligently perform the assessment services according to the requirements identified in the Scope of Work for the Project, attached hereto as **Exhibit A** and incorporated by reference herein (the “Services”).

Section 2. Term

The term of this Agreement shall be from the Effective Date until all Services required to be performed hereunder are completed and accepted, or no later than December 31, 2021, whichever occurs first, unless earlier terminated in accordance herewith or an extension of time is agreed to, in writing, by the City.

Section 3. Consultant’s Services

3.1. All written documents prepared by Consultant in conjunction with the Services shall bear the signature, name, or logo of, or otherwise be identified as coming from, Consultant’s authorized Project Manager.

3.2. Consultant will not be deemed to be in default by reason of delays in performance due to circumstances beyond Consultant’s reasonable control, including but not limited to strikes,

lockouts, severe acts of nature, or other unavoidable delays or acts of third parties not under Consultant's direction and control ("Force Majeure"). In the case of the happening of any Force Majeure event, the time for completion of the Services will be extended accordingly and proportionately by the City, in writing. Lack of labor, supplies, materials, or the cost of any of the foregoing shall not be deemed a Force Majeure event.

3.3. The existence of this Agreement between the City and Consultant shall not be construed as the City's promise or assurance that Consultant will be retained for future services beyond the Scope of Work described herein.

3.4. Consultant shall maintain the confidentiality of any confidential information that is exempt from disclosure under state or federal law to which Consultant may have access by reason of this Agreement. Consultant warrants that Consultant's employees assigned to the Services provided in this Agreement shall be clearly instructed to maintain this confidentiality. All agreements with respect to confidentiality shall survive the termination or expiration of this Agreement.

Section 4. Compensation

4.1. Except as otherwise set forth in this **Section 4**, the City agrees to pay Consultant on a time and materials basis, guaranteed not to exceed ONE HUNDRED THOUSAND EIGHT HUNDRED SEVENTY-NINE DOLLARS (\$100,879), for performance of the Services ("Compensation Amount"). Any compensation in excess of the Compensation Amount will require an express written Addendum to be executed between the City and Consultant.

4.2. During the course of Consultant's performance, if the City, through its Project Manager, specifically requests Consultant to provide additional services that are beyond the Scope of Work described on **Exhibit A**, Consultant shall provide such additional services and bill the City at the hourly rates outlined on Consultant's Rate Schedule, as set forth in **Exhibit B**. Any Additional work beyond the Scope of Work, or any compensation above the amount shown in **Subsection 4.1**, requires a written Addendum executed in compliance with the provisions of **Section 15**.

4.3. Except for amounts withheld by the City pursuant to this Agreement, Consultant will be paid for Services for which an itemized invoice is received by the City within thirty (30) days of receipt, unless the City disputes such invoice. In that instance, the undisputed portion of the invoice will be paid by the City within the above timeframe. The City will set forth its reasons for the disputed claim amount and make good faith efforts to resolve the invoice dispute with Consultant as promptly as is reasonably possible.

4.4. The City will be responsible for the direct payment of required fees payable to governmental agencies, including but not limited to plan checking, land use, zoning, and all other similar fees resulting from this Project, that are not specifically covered by **Exhibit A**.

4.5. Consultant's Compensation Amount and Rate Schedule are all inclusive and include, but are not limited to, all work-related costs, expenses, salaries or wages, plus fringe benefits and contributions, including payroll taxes, workers compensation insurance, liability insurance, profit, pension benefits and similar contributions and benefits, technology and/or software charges, office expenses, travel expenses, mileage, and all other indirect and overhead charges.

Section 5. City's Project Manager

The City will designate a Project Manager to facilitate day-to-day communication between Consultant and the City, including timely receipt and processing of invoices, requests for information, and general coordination of City staff to support the Project. The City's Project Manager is Delora Kerber. The City shall give Consultant prompt written notice of any re-designation of its Project Manager.

Section 6. Consultant's Project Manager

Consultant's Project Manager is Brian Murphy. In the event that Consultant's designated Project Manager is changed, Consultant shall give the City prompt written notification of such re-designation. Recognizing the need for consistency and knowledge in the administration of the Project, Consultant's Project Manager will not be changed without the written consent of the City, which consent shall not be unreasonably withheld. In the event the City receives any communication from Consultant that is not from Consultant's designated Project Manager, the City may request verification by Consultant's Project Manager, which verification must be promptly furnished.

Section 7. Project Information

Except for confidential information designated by the City as information not to be shared, Consultant agrees to share Project information with, and to fully cooperate with, those corporations, firms, contractors, public utilities, governmental entities, and persons involved in or associated with the Project. No information, news, or press releases related to the Project, whether made to representatives of newspapers, magazines, or television and radio stations, shall be made without the written authorization of the City's Project Manager.

Section 8. Subcontractors and Assignments

8.1. Unless expressly authorized in **Exhibit A** or **Section 9** of this Agreement, Consultant shall not subcontract with others for any of the Services prescribed herein. Consultant shall not assign any of Consultant's rights acquired hereunder without obtaining prior written approval from the City, which approval may be granted or denied in the City's sole discretion. Some Services may be performed by persons other than Consultant, provided Consultant advises the City of the names of such subcontractors and the work which they intend to perform, and the City specifically agrees in writing to such subcontracting. Consultant acknowledges such work will be provided to the City pursuant to a subcontract(s) between Consultant and subcontractor(s) and no privity of contract exists between the City and the subcontractor(s). Unless otherwise specifically provided by this Agreement, the City incurs no liability to third persons for payment of any compensation provided herein to Consultant. Any attempted assignment of this Agreement without the written consent of the City shall be void. Except as otherwise specifically agreed, all costs for work performed by others on behalf of Consultant shall not be subject to additional reimbursement by the City.

8.2. The City shall have the right to enter into other agreements for the Project, to be coordinated with this Agreement. Consultant shall cooperate with the City and other firms, engineers or subcontractors on the Project so that all portions of the Project may be completed in the least possible time and within normal working hours. Consultant shall furnish other engineers,

subcontractors and affected public utilities, whose designs are fitted into Consultant's design, detail drawings giving full information so that conflicts can be avoided.

8.3. Consultant shall include this Agreement by reference in any subcontract and require subcontractors to perform in strict compliance with this Agreement.

Section 9. Consultant Is Independent Contractor

9.1. Consultant is an independent contractor for all purposes and shall be entitled to no compensation other than the Compensation Amount provided for under **Section 4** of this Agreement. Consultant will be solely responsible for determining the manner and means of accomplishing the end result of Consultant's Services. The City does not have the right to control or interfere with the manner or method of accomplishing said Services. The City, however, will have the right to specify and control the results of Consultant's Services so such Services meet the requirements of the Project.

9.2. Consultant may request that some consulting services be performed on the Project by persons or firms other than Consultant, through a subcontract with Consultant. Consultant acknowledges that if such services are provided to the City pursuant to a subcontract(s) between Consultant and those who provide such services, Consultant may not utilize any subcontractor(s), or in any way assign its responsibility under this Agreement, without first obtaining the express written consent of the City, which consent may be given or denied in the City's sole discretion. For all Services performed under subcontract to Consultant, as approved by the City, Consultant shall only charge the compensation rates shown on the approved Rate Schedule (**Exhibit B**). Rate schedules for named or unnamed subcontractors, and Consultant markups of subcontractor billings, will only be recognized by the City as set forth in Consultant's Rate Schedule, unless documented and approved, in writing, by the City pursuant to a modification to Consultant's Rate Schedule, per **Section 15** of this Agreement. In all cases, processing and payment of billings from subcontractors is solely the responsibility of Consultant.

9.3. Consultant shall be responsible for, and defend, indemnify, and hold the City harmless against, any liability, cost, or damage arising out of Consultant's use of such subcontractor(s) and subcontractor's negligent acts, errors, or omissions. Unless otherwise agreed to, in writing, by the City, Consultant shall require that all of Consultant's subcontractors also comply with, and be subject to, the provisions of this **Section 9** and meet the same insurance requirements of Consultant under this Agreement.

Section 10. Consultant Responsibilities

10.1. Consultant must make prompt payment for any claims for labor, materials, or services furnished to Consultant by any person in connection with this Agreement as such claims become due. Consultant shall not permit any liens or claims to be filed or prosecuted against the City on account of any labor or material furnished to or on behalf of Consultant. If Consultant fails, neglects, or refuses to make prompt payment of any such claim, the City may, but shall not be obligated to, pay such claim to the person furnishing the labor, materials, or services and offset the amount of the payment against funds due or to become due to Consultant under this Agreement. The City may also recover any such amounts directly from Consultant.

10.2. Consultant must comply with all applicable Oregon and federal wage and hour laws, including BOLI wage requirements, if applicable. Consultant shall make all required workers compensation and medical care payments on time. Consultant shall be fully responsible for payment of all employee withholdings required by law, including but not limited to taxes, including payroll, income, Social Security (FICA), and Medicaid. Consultant shall also be fully responsible for payment of salaries, benefits, taxes, Industrial Accident Fund contributions, and all other charges on account of any employees. Consultant shall pay to the Department of Revenue all sums withheld from employees pursuant to ORS 316.167. All costs incident to the hiring of assistants or employees shall be Consultant's responsibility. Consultant shall defend, indemnify, and hold the City harmless from claims for payment of all such expenses.

10.3. No person shall be discriminated against by Consultant or any subcontractor in the performance of this Agreement on the basis of sex, gender, race, color, creed, religion, marital status, age, disability, sexual orientation, gender identity, or national origin. Any violation of this provision shall be grounds for cancellation, termination, or suspension of the Agreement, in whole or in part, by the City. References to "subcontractor" mean a subcontractor at any tier.

10.4. COVID-19 Safety Measures. Consultant must have a written policy in place to comply with all applicable local, state, and federal laws, regulations, and executive orders related to the COVID-19 coronavirus outbreak to ensure the protection of Consultant's employees and/or subcontractors, City employees, and the public. Consultant must provide its written policy to the City Project Manager at the commencement of the Project. In the event that Consultant is required to stop or delay work due to a COVID-19 related event, Consultant shall not be entitled to any additional payment, remobilization costs, or delay damages.

Section 11. Indemnity

11.1. Indemnification. Consultant acknowledges responsibility for liability arising out of the performance of this Agreement, and shall defend, indemnify, and hold the City harmless from any and all liability, settlements, loss, costs, and expenses in connection with any action, suit, or claim resulting or allegedly resulting from Consultant's negligent acts, omissions, errors, or willful or reckless misconduct pursuant to this Agreement, or from Consultant's failure to perform its responsibilities as set forth in this Agreement. The review, approval, or acceptance by the City, its Project Manager, or any City employee of documents or other work performed, prepared, or submitted by Consultant shall not be considered a negligent act, error, omission, or willful misconduct on the part of the City, and none of the foregoing shall relieve Consultant of its responsibility to perform in full conformity with the City's requirements, as set forth in this Agreement, and to indemnify the City as provided above and to reimburse the City for any and all costs and damages suffered by the City as a result of Consultant's negligent performance of this Agreement, failure of performance hereunder, violation of state or federal laws, or failure to adhere to the standards of performance and care described in **Subsection 11.2**. For those claims based on professional liability (as opposed to general liability or automobile liability), Consultant shall not be required to provide the City's defense but will be required to reimburse the City for the City's defense costs incurred in any litigation resulting from the negligent acts, omissions, errors, or willful or reckless misconduct by Consultant. As used herein, the term "Consultant" applies to Consultant and its own agents, employees, and suppliers, and to all of Consultant's subcontractors, including their agents, employees, and suppliers.

11.2. Standard of Care. In the performance of the Services, Consultant agrees to use at least that degree of care and skill exercised under similar circumstances by reputable members of Consultant's profession practicing in the Portland metropolitan area. Consultant will re-perform any Services not meeting this standard without additional compensation. Consultant's re-performance of any Services, even if done at the City's request, shall not be considered as a limitation or waiver by the City of any other remedies or claims it may have arising out of Consultant's failure to perform in accordance with the applicable standard of care of this Agreement and within the prescribed timeframe.

Section 12. Insurance

12.1. Insurance Requirements. Consultant shall maintain insurance coverage acceptable to the City in full force and effect throughout the term of this Agreement. Such insurance shall cover all risks arising directly or indirectly out of Consultant's activities or work hereunder. Any and all agents, contractors, or subcontractors with which Consultant contracts to work on the Services must have insurance that conforms to the insurance requirements in this Agreement. Additionally, if a subcontractor is an engineer, architect, or other professional, Consultant must require the subcontractor to carry Professional Errors and Omissions insurance and must provide to the City proof of such coverage. The amount of insurance carried is in no way a limitation on Consultant's liability hereunder. The policy or policies maintained by Consultant shall provide at least the following minimum limits and coverages at all times during performance under this Agreement:

12.1.1. Commercial General Liability Insurance. Consultant and all subcontractors shall obtain, at each of their own expense, and keep in effect during the term of this Agreement, comprehensive Commercial General Liability Insurance covering Bodily Injury and Property Damage, written on an "occurrence" form policy. This coverage shall include broad form Contractual Liability insurance for the indemnities provided under this Agreement and shall be for the following minimum insurance coverage amounts: The coverage shall be in the amount of **\$2,000,000** for each occurrence and **\$3,000,000** general aggregate and shall include Products-Completed Operations Aggregate in the minimum amount of **\$2,000,000** per occurrence, Fire Damage (any one fire) in the minimum amount of **\$50,000**, and Medical Expense (any one person) in the minimum amount of **\$10,000**. All of the foregoing coverages must be carried and maintained at all times during this Agreement.

12.1.2. Professional Errors and Omissions Coverage. Consultant agrees to carry Professional Errors and Omissions Liability insurance on a policy form appropriate to the professionals providing the Services hereunder with a limit of no less than **\$2,000,000** per claim. Consultant shall maintain this insurance for damages alleged to be as a result of errors, omissions, or negligent acts of Consultant. Such policy shall have a retroactive date effective before the commencement of any work by Consultant on the Services covered by this Agreement, and coverage will remain in force for a period of at least three (3) years after termination of this Agreement.

12.1.3. Business Automobile Liability Insurance. If Consultant or any subcontractors will be using a motor vehicle in the performance of the Services herein, Consultant shall provide the City a certificate indicating that Consultant and its subcontractors have business automobile liability coverage for all owned, hired, and non-owned vehicles. The Combined Single Limit per occurrence shall not be less than **\$2,000,000**.

12.1.4. Workers Compensation Insurance. Consultant, its subcontractors, and all employers providing work, labor, or materials under this Agreement that are subject employers under the Oregon Workers Compensation Law shall comply with ORS 656.017, which requires them to provide workers compensation coverage that satisfies Oregon law for all their subject workers under ORS 656.126. Out-of-state employers must provide Oregon workers compensation coverage for their workers who work at a single location within Oregon for more than thirty (30) days in a calendar year. Consultants who perform work without the assistance or labor of any employee need not obtain such coverage. This shall include Employer's Liability Insurance with coverage limits of not less than **\$500,000** each accident.

12.1.5. Insurance Carrier Rating. Coverages provided by Consultant and its subcontractors must be underwritten by an insurance company deemed acceptable by the City, with an AM Best Rating of A or better. The City reserves the right to reject all or any insurance carrier(s) with a financial rating that is unacceptable to the City.

12.1.6. Additional Insured and Termination Endorsements. The City will be named as an additional insured with respect to Consultant's liabilities hereunder in insurance coverages. Additional Insured coverage under Consultant's Commercial General Liability, Automobile Liability, and Excess Liability Policies, as applicable, will be provided by endorsement. Additional insured coverage shall be for both ongoing operations via ISO Form CG 2010 or its equivalent, and products and completed operations via ISO Form CG 2037 or its equivalent. Coverage shall be Primary and Non-Contributory. Waiver of Subrogation endorsement via ISO Form CG 2404 or its equivalent shall be provided. The following is included as additional insured: "The City of Wilsonville, its elected and appointed officials, officers, agents, employees, and volunteers." An endorsement shall also be provided requiring the insurance carrier to give the City at least thirty (30) days' written notification of any termination or major modification of the insurance policies required hereunder. Consultant must be an additional insured on the insurance policies obtained by its subcontractors performing work on the Services contemplated under this Agreement.

12.1.7. Certificates of Insurance. As evidence of the insurance coverage required by this Agreement, Consultant shall furnish a Certificate of Insurance to the City. This Agreement shall not be effective until the required certificates and the Additional Insured Endorsements have been received and approved by the City. Consultant agrees that it will not terminate or change its coverage during the term of this Agreement without giving the City at least thirty (30) days' prior advance notice and Consultant will obtain an endorsement from its insurance carrier, in favor of the City, requiring the carrier to notify the City of any termination or change in insurance coverage, as provided above.

12.2. Primary Coverage. The coverage provided by these policies shall be primary, and any other insurance carried by the City is excess. Consultant shall be responsible for any deductible amounts payable under all policies of insurance. If insurance policies are "Claims Made" policies, Consultant will be required to maintain such policies in full force and effect throughout any warranty period.

Section 13. Early Termination; Default

13.1. This Agreement may be terminated prior to the expiration of the agreed upon terms:

13.1.1. By mutual written consent of the parties;

13.1.2. By the City, for any reason, and within its sole discretion, effective upon delivery of written notice to Consultant by mail or in person; or

13.1.3. By Consultant, effective upon seven (7) days' prior written notice in the event of substantial failure by the City to perform in accordance with the terms through no fault of Consultant, where such default is not cured within the seven (7) day period by the City. Withholding of disputed payment is not a default by the City.

13.2. If the City terminates this Agreement, in whole or in part, due to default or failure of Consultant to perform Services in accordance with the Agreement, the City may procure, upon reasonable terms and in a reasonable manner, services similar to those so terminated. In addition to any other remedies the City may have, both at law and in equity, for breach of contract, Consultant shall be liable for all costs and damages incurred by the City as a result of the default by Consultant, including, but not limited to all costs incurred by the City in procuring services from others as needed to complete this Agreement. This Agreement shall be in full force to the extent not terminated by written notice from the City to Consultant. In the event of a default, the City will provide Consultant with written notice of the default and a period of ten (10) days to cure the default. If Consultant notifies the City that it wishes to cure the default but cannot, in good faith, do so within the ten (10) day cure period provided, then the City may elect, in its sole discretion, to extend the cure period to an agreed upon time period, or the City may elect to terminate this Agreement and seek remedies for the default, as provided above.

13.3. If the City terminates this Agreement for its own convenience not due to any default by Consultant, payment of Consultant shall be prorated to, and include the day of, termination and shall be in full satisfaction of all claims by Consultant against the City under this Agreement.

13.4. Termination under any provision of this Section shall not affect any right, obligation, or liability of Consultant or the City that accrued prior to such termination. Consultant shall surrender to the City items of work or portions thereof, referred to in **Section 17**, for which Consultant has received payment or the City has made payment.

Section 14. Suspension of Services

The City may suspend, delay, or interrupt all or any part of the Services for such time as the City deems appropriate for its own convenience by giving written notice thereof to Consultant. An adjustment in the time of performance or method of compensation shall be allowed as a result of such delay or suspension unless the reason for the delay is within Consultant's control. The City shall not be responsible for Services performed by any subcontractors after notice of suspension is given by the City to Consultant. Should the City suspend, delay, or interrupt the Services and the suspension is not within Consultant's control, then the City shall extend the time of completion by the length of the delay.

Section 15. Modification/Addendum

Any modification of the provisions of this Agreement shall not be enforceable unless reduced to writing and signed by both the City and Consultant. A modification is a written document, contemporaneously executed by the City and Consultant, which increases or decreases the cost to the City over the agreed Compensation Amount in **Section 4** of this Agreement, or changes or modifies the Scope of Work or the time for performance. No modification shall be binding or effective until executed, in writing, by both Consultant and the City. In the event Consultant receives any communication of whatsoever nature from the City, which communication Consultant contends gives rise to any modification of this Agreement, Consultant shall, within five (5) days after receipt, make a written request for modification to the City's Project Manager in the form of an Addendum. Consultant's failure to submit such written request for modification in the form of an Addendum shall be the basis for refusal by the City to treat said communication as a basis for modification or to allow such modification. In connection with any modification to this Agreement affecting any change in price, Consultant shall submit a complete breakdown of labor, material, equipment, and other costs. If Consultant incurs additional costs or devotes additional time on Project tasks, the City shall be responsible for payment of only those additional costs for which it has agreed to pay under a signed Addendum. To be enforceable, the Addendum must describe with particularity the nature of the change, any delay in time the Addendum will cause, or any increase or decrease in the Compensation Amount. The Addendum must be signed and dated by both Consultant and the City before the Addendum may be implemented.

Section 16. Access to Records

The City shall have access, upon request, to such books, documents, receipts, papers, and records of Consultant as are directly pertinent to this Agreement for the purpose of making audit, examination, excerpts, and transcripts during the term of this Agreement and for a period of four (4) years after termination of the Agreement, unless the City specifically requests an extension. This clause shall survive the expiration, completion, or termination of this Agreement.

Section 17. Property of the City

17.1. Originals or certified copies of the original work forms, including but not limited to documents, drawings, tracings, surveying records, spreadsheets, charts, graphs, modeling, data generation, papers, diaries, inspection reports, and photographs, performed or produced by Consultant under this Agreement shall be the exclusive property of the City and shall be delivered to the City prior to final payment. Any statutory or common law rights to such property held by Consultant as creator of such work shall be conveyed to the City upon request without additional compensation.

17.2. Consultant shall not be held liable for any damage, loss, increased expenses, or otherwise, caused by or attributed to the reuse by the City or its designees of all work performed by Consultant pursuant to this Agreement without the express written permission of Consultant.

Section 18. Notices

Any notice required or permitted under this Agreement shall be in writing and shall be given when actually delivered in person or forty-eight (48) hours after having been deposited in the United States

mail as certified or registered mail, addressed to the addresses set forth below, or to such other address as one party may indicate by written notice to the other party.

To City: City of Wilsonville
Attn: Delora Kerber, Public Works Director
29799 SW Town Center Loop East
Wilsonville, OR 97070

To Consultant: Tetra Tech, Inc.
Attn: Brian Murphy
15350 SW Sequoia Pkwy, Suite 220
Portland, OR 97224

Section 19. Miscellaneous Provisions

19.1. Integration. This Agreement, including all exhibits attached hereto, contains the entire and integrated agreement between the parties and supersedes all prior written or oral discussions, representations, or agreements. In case of conflict among these documents, the provisions of this Agreement shall control.

19.2. Legal Effect and Assignment. This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, personal representatives, successors, and assigns. This Agreement may be enforced by an action at law or in equity.

19.3. No Assignment. Consultant may not assign this Agreement, nor delegate the performance of any obligations hereunder, unless agreed to in advance and in writing by the City.

19.4. Adherence to Law. In the performance of this Agreement, Consultant shall adhere to all applicable federal, state, and local laws (including the Wilsonville Code and Public Works Standards), including but not limited to laws, rules, regulations, and policies concerning employer and employee relationships, workers compensation, and minimum and prevailing wage requirements. Any certificates, licenses, or permits that Consultant is required by law to obtain or maintain in order to perform the Services described on **Exhibit A**, shall be obtained and maintained throughout the term of this Agreement.

19.5. Governing Law. This Agreement shall be construed in accordance with and governed by the laws of the State of Oregon, regardless of any conflicts of laws. All contractual provisions required by ORS Chapters 279A, 279B, 279C, and related Oregon Administrative Rules to be included in public agreements are hereby incorporated by reference and shall become a part of this Agreement as if fully set forth herein.

19.6. Jurisdiction. Venue for any dispute will be in Clackamas County Circuit Court.

19.7. Legal Action/Attorney Fees. If a suit, action, or other proceeding of any nature whatsoever (including any proceeding under the U.S. Bankruptcy Code) is instituted in connection with any controversy arising out of this Agreement or to interpret or enforce any rights or obligations hereunder, the prevailing party shall be entitled to recover attorney, paralegal, accountant, and other expert fees and all other fees, costs, and expenses actually incurred and reasonably necessary in

connection therewith, as determined by the court or body at trial or on any appeal or review, in addition to all other amounts provided by law. If the City is required to seek legal assistance to enforce any term of this Agreement, such fees shall include all of the above fees, whether or not a proceeding is initiated. Payment of all such fees shall also apply to any administrative proceeding, trial, and/or any appeal or petition for review.

19.8. Nonwaiver. Failure by either party at any time to require performance by the other party of any of the provisions of this Agreement shall in no way affect the party's rights hereunder to enforce the same, nor shall any waiver by the party of the breach hereof be held to be a waiver of any succeeding breach or a waiver of this nonwaiver clause.

19.9. Severability. If any provision of this Agreement is found to be void or unenforceable to any extent, it is the intent of the parties that the rest of the Agreement shall remain in full force and effect, to the greatest extent allowed by law.

19.10. Modification. This Agreement may not be modified except by written instrument executed by Consultant and the City.

19.11. Time of the Essence. Time is expressly made of the essence in the performance of this Agreement.

19.12. Calculation of Time. Except where the reference is to business days, all periods of time referred to herein shall include Saturdays, Sundays, and legal holidays in the State of Oregon, except that if the last day of any period falls on any Saturday, Sunday, or legal holiday observed by the City, the period shall be extended to include the next day which is not a Saturday, Sunday, or legal holiday. Where the reference is to business days, periods of time referred to herein shall exclude Saturdays, Sundays, and legal holidays observed by the City. Whenever a time period is set forth in days in this Agreement, the first day from which the designated period of time begins to run shall not be included.

19.13. Headings. Any titles of the sections of this Agreement are inserted for convenience of reference only and shall be disregarded in construing or interpreting any of its provisions.

19.14. Number, Gender and Captions. In construing this Agreement, it is understood that, if the context so requires, the singular pronoun shall be taken to mean and include the plural, the masculine, the feminine and the neuter, and that, generally, all grammatical changes shall be made, assumed, and implied to individuals and/or corporations and partnerships. All captions and paragraph headings used herein are intended solely for convenience of reference and shall in no way limit any of the provisions of this Agreement.

19.15. Good Faith and Reasonableness. The parties intend that the obligations of good faith and fair dealing apply to this Agreement generally and that no negative inferences be drawn by the absence of an explicit obligation to be reasonable in any portion of this Agreement. The obligation to be reasonable shall only be negated if arbitrariness is clearly and explicitly permitted as to the specific item in question, such as in the case of where this Agreement gives the City "sole discretion" or the City is allowed to make a decision in its "sole judgment."

19.16. Other Necessary Acts. Each party shall execute and deliver to the other all such further instruments and documents as may be reasonably necessary to carry out this Agreement in order to provide and secure to the other parties the full and complete enjoyment of rights and privileges hereunder.

19.17. Interpretation. As a further condition of this Agreement, the City and Consultant acknowledge that this Agreement shall be deemed and construed to have been prepared mutually by each party and it shall be expressly agreed that any uncertainty or ambiguity existing therein shall not be construed against any party. In the event that any party shall take an action, whether judicial or otherwise, to enforce or interpret any of the terms of the Agreement, the prevailing party shall be entitled to recover from the other party all expenses which it may reasonably incur in taking such action, including attorney fees and costs, whether incurred in a court of law or otherwise.

19.18. Entire Agreement. This Agreement and all documents attached to this Agreement represent the entire agreement between the parties.

19.19. Counterparts. This Agreement may be executed in one or more counterparts, each of which shall constitute an original Agreement but all of which together shall constitute one and the same instrument.

19.20. Authority. Each party signing on behalf of Consultant and the City hereby warrants actual authority to bind their respective party.

The Consultant and the City hereby agree to all provisions of this Agreement.

CONSULTANT:

CITY:

TETRA TECH, INC.

CITY OF WILSONVILLE

By: _____

By: _____

Print Name: _____

Print Name: _____

As Its: _____

As Its: _____

Employer I.D. No. _____

APPROVED AS TO FORM:

Barbara A. Jacobson, City Attorney
City of Wilsonville, Oregon

SCOPE OF WORK

EXHIBIT A



RE: AMERICA'S WATER INFRASTRUCTURE ACT (AWIA) WATER SYSTEM RISK AND RESILIENCE ASSESSMENT (RRA) AND EMERGENCY RESPONSE PLAN (ERP)

Task 1 Project Administration

Tetra Tech will provide a Project Administration Plan to direct, coordinate, and monitor the activities of the project with respect to budget, schedule, and contractual obligations.

Tetra Tech will be responsible for management of all Tetra Tech team activities, including any subconsultants. Tetra Tech will manage and coordinate all components of the Project and take a proactive role in keeping all tasks on schedule and budget and ensure timely completion of the Project.

Tetra Tech will provide full coordination with City of Wilsonville staff and be responsive to any communications. Tetra Tech will be in contact with the City frequently enough to ensure a timely City review of deliverables. Tetra Tech will work with all stakeholders in a responsible manner and as directed by the City of Wilsonville's Project Manager.

Tetra Tech will prepare all project-related agendas and meeting minutes. Agendas and the supporting information will be distributed via emails to the City of Wilsonville's Project Manager at least one business day prior to any meetings, except draft reports, which shall be submitted at least five business days ahead of the meetings. Meeting minutes shall be distributed to all attendees and any other identified parties within five business days of the meeting date. Tetra Tech will submit a summary report of work completed by sub-tasks with each invoice.

Tetra Tech will provide the City's Project Manager with a COVID-19 Safety Measures written policy at the commencement of the Project.

Transfer of draft and final reports as well as other security sensitive documents shall be done through a secure file sharing format.

Tetra Tech will conduct internal quality assurance and quality control meetings and follow-up with technical experts as necessary during the course of the project. This project will be conducted over a 12 month period.

Deliverables:

- Project Administration Plan
- COVID-19 Safety Measures Policy
- Project Schedule
- Project related agendas and meeting minutes
- Summary report of work completed by subtask with each invoice

Task 2 Kickoff Meeting and Data Review

Tetra Tech will conduct a project planning meeting with the Project Manager from the City of Wilsonville. The objectives of this meeting will be to confirm the project timeline, confirm stakeholders participating in the project, and coordinate compilation of the necessary documents to conduct the plan reviews. The critical path item in developing a plan of this nature is data collection. We will address this need immediately. Using the AWIA requirements as a minimum baseline, we will develop a data needs list, data needs submission log, and draft data collection plan. The data collection schedule will be finalized at the kickoff meeting.

During the meeting, Tetra Tech will confirm the overall project, scope, project plan, and schedule.

Assumptions: The kickoff meeting will be via video conference attended by the Tetra Tech project manager, project engineer, cybersecurity, and physical security leaders.

Task 3 Data Collection and Review

Data gathering, through existing documentation and field assessment will address the following elements:

- Malevolent acts (physical and cyber intrusion by internal/external perpetrators) and natural hazards (for the City of Wilsonville, it is assumed that the list of natural hazards can be limited to earthquakes, fires, floods and storm events)
- System resilience
- Monitoring practices
- Financial network infrastructure
- Operation and maintenance
- Network diagrams addressing schemes and system descriptions
- City of Wilsonville records of previous malevolent acts, natural events, service outages due to utility or external factors

The focus of data collection will be identifying the status of existing systems and analyzing existing systems and deficits per the EPA guidelines and City of Wilsonville's objectives.

Additional technical documentation that may be requested if available includes:

- Latest version of all security policies and procedures
- Any contract/asset access service agreements
- Security documentation such as post orders, recent calls for service, and security organization chart.
- Electronic engineering files of the administration and operations building utilities, communications and security systems
- Available O&M manuals
- Most recent emergency management plan
- Water System and Treatment Plant Master Plans

At a minimum, this assessment will include the following system elements:

- Transmission pipelines
- Pump station
- Source wells
- Finished water storage
- Security systems and practices
- Operations center
- Surface water intake
- Cyber systems

Task 4 Asset and Threat Characterization and Consequence Analysis – Workshop #1

Asset-Threat Pair Determination

Tetra Tech will prepare for, and facilitate, Workshop #1 with the City of Wilsonville to introduce the Risk Analysis and Management for Critical Asset Protection (RAMCAP) assessment approach and develop the physical and cyber asset characterization. The workshop will be held via video conference and be attended by Tetra Tech's project manager, project engineer, cybersecurity specialist, and physical security specialist.

Tetra Tech will review the major cyber assets associated with each facility and their criticality to the City of Wilsonville's mission. Tetra Tech will facilitate a discussion with City staff to define their mission, followed by a discussion of how each facility is critical to this mission.

A threat characterization will be conducted, to assess malevolent acts and natural hazards, including threats that can impact off-site assets controlled by others (e.g., utilities and chemical suppliers). The workshop will identify reasonable, worst-case threats using the RAMCAP table of potential hazards and threat scenarios. These are based on leading physical and cybersecurity guidance identified as AWIA consensus standards for water utilities, including the following:

- AWWA J100 Standard
- AWWA Cyber Security Guidance & Tool
- National Institute of Standards and Technology Cybersecurity Framework
- ISA/IEC-62443 (Formerly ISA-99) Industrial Automation and Control Systems Security
- National Institute of Standards and Technology SP800-82 Rev. 1 Guide to Industrial Control Systems Security

Tetra Tech will prepare for, and facilitate, the threat characterization process at the workshop. This part of the workshop will identify threats and narrow the focus of threats that represent real, physically possible threats to critical assets identified during the asset characterization.

Tetra Tech will prepare an Asset Classification and Threat Characterization Technical Memorandum summarizing the key assets and associated criticality identified during the workshops.

Assumptions

- This assessment will be conducted in a manner and develop results to meet the needs of the AWIA RRA requirements.
- The RRA will fully evaluate a maximum of twenty (20) water system Asset-Threat pairs.

Deliverables:

- Asset Classification and Threat Characterization Technical Memorandum

Field Investigations

Tetra Tech will conduct field-data collection regarding water assets identified as critical and conduct interviews with key staff.

In conjunction with fieldwork, Tetra Tech's cybersecurity lead, will spend time with the City of Wilsonville's IT and SCADA staff reviewing the networks. Tetra Tech will request information from the City to identify the key components of the network and cyber infrastructure. This will allow Tetra Tech to become familiar with the critical automated systems prior to the onset of project work.

Tetra Tech's field investigations will determine the ability of current protection systems to withstand each

identified threat. Each site will be classified based on the criticality of its cyber assets as defined in the RAMCAP methodology. Tetra Tech will begin with threat analysis assumptions identified during the asset/threat characterization workshop to estimate the likelihood of a malevolent act or natural hazard based on relative alternative targets and historical records, respectively.

Assumptions

- Physical assets field assessments will be conducted with Tetra Tech physical security lead on-site adhering to all social distancing requirements

Consequence Analysis

Tetra Tech will reconvene with City of Wilsonville staff to identify the types of consequences to be evaluated and quantify those consequences. This information will be used in the PARRE Software Tool to assign scores to calculate consequence of loss for each asset-threat pair. We will confirm or revise the consequence analysis to rank asset-threat pairs according to the magnitude of resulting consequences, using a consequence scale provided in the RAMCAP methodology. Consequences will be estimated, at a minimum, in terms of loss of life and serious injury; financial losses; duration and severity of service denial; and economic losses to the utility. This analysis will be used as the basis for the vulnerability and threat analysis workshop to follow.

Task 5 Vulnerability and Threat Analysis – Workshop #2

Based on the findings of Workshop #1, Tetra Tech will use the consequence analysis to identify a natural breakpoint in the quantification of consequence to identify approximately the top twenty critical assets in the water system. This approach, as recommended by the J100 guidance is simply to ascertain a manageable number of assets to be addressed.

With a focused list of assets Tetra Tech will prepare a vulnerability analysis to identify, within the security framework, the vulnerabilities to threats and/or hazards that could potentially occur.

Tetra Tech will then conduct a threat analysis using data from City records, law enforcement, and Emergency Planning and Community Right to Know Act (EPRCA Tier II) databases to identify the likelihood of that a natural hazard, dependency or proximity hazard or malevolent threat would take place at their facility.

Tetra Tech will facilitate Workshop #2 via video conference with City staff to review and revise the vulnerability and threat likelihood analysis.

Deliverables:

- Technical memorandum summary of the final agreed upon vulnerability and threat analysis findings.

Task 6 Risk and Resilience Analysis

Tetra Tech will assess the risk and resilience to the previously identified Asset-Threat pairs according to the malevolent acts and natural events (including earthquakes) as outlined by the AWWA J100 methodology. Tetra Tech will compile all information and scores gathered in the preceding tasks to calculate risk and resilience for each asset-threat pair. Risk is calculated as the product of the Consequence (expressed as a scored value), Vulnerability (expressed as a probability), and Threat Likelihood (expressed as a probability):

$$\text{RISK} = \text{Consequence} \times \text{Vulnerability} \times \text{Threat Likelihood}$$

Resilience will be calculated as the product of the Service Outage (expressed as a scored value in terms of

duration and severity), Vulnerability, and Threat Likelihood.

RESILIENCE = Duration x Severity x Vulnerability x Threat Likelihood

Tetra Tech will prepare a risk and resilience analysis technical memorandum compiling the results of the analysis. We will then facilitate a video-conference call to discuss the results to ensure that all City participants agree with the outcome and determine which risks warrant mitigation. The call will define what level of risk and resilience is acceptable. For asset-threat pairs with an unacceptable level of risk and resilience, the following process will be pursued:

- Define mitigation and resilience options as countermeasures to the threats.
- Estimate the capital and operating costs for each option.
- Identify options that apply to multiple asset-threat pairs.
- Calculate the net benefits and benefit-cost ratio to estimate total value and risk-reduction efficiency of each option.
- Determine the resources needed to operate the selected options.
- Identify mitigation options for the selected asset-threat pairs.

Deliverables:

- Risk and Resilience Analysis Technical Memorandum

Task 7 Risk and Resilience Management - Workshop #3

Following the calculation of risk and resilience, Tetra Tech will facilitate Workshop #3. The Risk and Resilience Management workshop will evaluate and select what, if any, actions are needed to enhance all-hazards security or resilience are needed. If actions are needed then selecting the portfolio of actions to be taken including improving security, improving consequence mitigation, developing redundancy, entering into mutual aid agreements, developing emergency response plans, reducing or eliminating dependency/proximity threats, etc.

These decisions will be subjective and dependent upon City staff participants. Therefore, the recording or the reasoning process and justification for each decision will be important for future groups when the RRA is updated.

Tetra Tech will prepare recommended risk and resilience management options for the City of Wilsonville's consideration and submit the recommendations in one-week in advance of the workshop. Tetra Tech will develop the necessary spreadsheets and analytical tools for evaluating and selecting the recommendations.

Task 8 Draft Final and Final RRA

Following completion of the workshops Tetra Tech will prepare a Draft Final RRA compiling and summarizing the process, results, recommendations, decisions, and action items that will provide the City with Risk and Resilience Action Plan for review. Following review, Tetra Tech will conduct a meeting with the City project manager to review comments and revisions. Tetra Tech will prepare a Final RRA Action Plan for the City of Wilsonville's records. Tetra Tech will prepare a single RRA report addressing both treatment and distribution systems. This will enable City of Wilsonville to meet AWIA requirements yet have all risk and resilience documentation in a single location. Tetra Tech will also prepare the required RRA Compliance Letter for the City of Wilsonville's submission to the EPA. Tetra Tech will provide a PDF and Microsoft Word copies on a flash drive.

Deliverables:

- Draft Final RRA

- Final RRA
- RRA Compliance Letter for the City of Wilsonville's submission to the EPA

Assumptions:

The City of Wilsonville will provide a single set of reviewed and resolved comments on the Draft Final RRA.

Task 9 Emergency Response Plan (ERP) Initiation

Concurrent with the submission of the final RRA, Tetra Tech will initiate the process of developing the ERP. Tetra Tech will conduct a 2-hour video-conference ERP project kickoff meeting with the City's project manager and key personnel. The Tetra Tech project manager will facilitate the meeting.

Tetra Tech will conduct the ERP kickoff meeting with key stakeholders pre-selected and notified by the City, who will serve as members of a Working Group. The objectives of this meeting will be to initiate their involvement in the ERP development. Meeting objectives will also include obtaining commitment and buy-in to the planning process, as well as setting expectations and confirming responsibilities of the Working Group members.

Two weeks prior to the meeting Tetra Tech will submit to the City's project manager an ERP data request for documents.

Deliverables: ERP Data Needs List

Assumptions: The City will pre-select and notify ERP development stakeholders

Task 10 Plan Review and ERP Outline

Tetra Tech will conduct a comprehensive review of the existing emergency response documentation and guidance and determine their suitability for meeting requirements for AWIA compliance. A gap analysis will be conducted to guide a discussion with the City regarding the update's overall vision and end state in Task 11.

After conducting a gap analysis and reviewing revisions needed to meet the AWIA compliance, Tetra Tech will develop a detailed ERP outline that is consistent with both the City's vision and AWIA requirements.

Deliverables: Draft detailed ERP outline

Task 11 Stakeholder Workshop/Meetings

In this task, Tetra Tech will conduct a video conference and up to four stakeholder interviews with departments that have critical ERP responsibilities. The meeting and interviews are designed to refine the necessary information to revise the plan as well as discuss key planning assumptions and the outline and format of the updated ERP.

Deliverables: Facilitated ERP workshop and four technical interviews

Task 12 Preliminary, Draft Final, and Final ERP Development and Review

Tetra Tech will develop a preliminary draft ERP and submit it to the City two-weeks prior to a document review workshop with the ERP Working Group. The workshop objective is for stakeholders to provide review, input, and direction and for the Tetra Tech team and to gather feedback and clarification. The workshop will be scheduled for two hours.

Following the workshop, Tetra Tech will prepare a draft final ERP for City review. The City will provide a final review of the ERP. Tetra Tech will conduct a video conference with the City project manager to review comments

and revisions. Following the call Tetra Tech will prepare a final ERP for the City's records. Tetra Tech will also prepare the required ERP compliance letter for the City's submission to the EPA.

Deliverables:

- Preliminary draft ERP
- Final ERP in an edit capable electronic format
- EPA ERP compliance letter

Assumptions:

The City will provide a single set of reviewed and resolved comments.

Price Proposal										Labor Plan				Price Summary / Totals								
City of Wilsonville AWIA RRA/ERP										7 Resource				Task Pricing Totals								
Submitted to: City of Wilsonville AWIA RRA/ERP (Attn: Delores Kerber)										Proj Area >				Specify Add'l Fees on Setup								
Contract Type: T&M														Technology Use Fee								
														Total Price								
Pricing by Resource																						
Project Phases / Tasks										Total Labor Hrs				Task Pricing Totals								
Schedule										Work Days				Work Days								
From										Thru				Months								
Labor										Rate Esc.				Labor								
Subs										Travel				Mat'l's & Equip								
ODCs																						
Task 1 Project Administration										62	186	17	127	59	12	8	0.00%	78,879	22,000	-	-	100,879
Task 2 Kickoff Meeting										4	4	1	1	1	1	8		1,840	1,100	-	-	1,840
Task 3 Data Collection and Review										1	14	12	12					1,344	2,200	-	-	2,444
Task 4 Asset and Threat Characterization and Consequence Analysis Wkshp										12	32	6	24					3,957	6,600	-	-	6,157
Task 5 Vulnerability and Threat Analysis Workshop										12	30	30	30					12,892	5,500	-	-	19,492
Task 6 Risk and Resilience Analysis										12	30	6	20					12,293	5,500	-	-	17,793
Task 7 Risk and Resilience Management Workshop										10	16	16	16					8,893	3,300	-	-	8,893
Task 8 Draft and Final RRA										12	60	4	24					7,456	3,300	-	-	10,756
Task 9 ERP Initiation										2	2	4	2					850	3,300	-	-	20,085
Task 10 ERP Review and Plan Outline										4	2	8	8					1,650		-	-	1,650
Task 11 Stakeholder Workshops										12	4	4	8					2,400		-	-	2,400
Task 12 Preliminary, Draft, and Final ERP										4	4	4	40					8,520		-	-	8,520
Totals										471	186	17	127	59	12	8	0.00%	78,879	22,000	-	-	100,879