



Request for Proposal

For

Watson Lake Aerators

MAYOR AND COUNCIL:

Phil Goode, Mayor
Connie Cantelme, Council Member
Brandon Montoya, Council Member
Eric Moore, Council Member
Cathey Rusing, Council Member
Steve Sischka, Council Member
Clark Tenney, Council Member

CITY CLERK:

Sarah Siep

PUBLIC WORKS DIRECTOR:

Gwen Rowitsch

Request for Proposals (RFP)

Watson Lake Aerators

DESCRIPTION: The City of Prescott invites qualified Vendors to submit a written Proposal to provide and install four each solar powered floating aerators on Watson Lake in Prescott, Arizona. To be eligible for consideration, the Vendor must submit information demonstrating appropriate competence, qualifications, and relevant construction experience with this type of project, along with bidding documents.

NON-MANDATORY PRE-PROPOSAL CONFERENCE: August 29, 2023, at 10:00 am, City of Prescott Public Works Department.

BID OPENING: Thursday, September 14, 2023, at 2:00pm **City Council Chambers 201 N. Montezuma Street, 3rd floor, Prescott, Arizona 86301**

In accordance with local and State law, sealed bids will be received by the **Office of the City Clerk at 201 N. Montezuma Street, Suite 302, Prescott, Arizona 86301**, until 2:00pm on the date specified above, for the services specified herein. Bids will be opened and read aloud at the above noted date, time, and location. Any bid received at or after 2:00pm on the referenced date will be returned unopened.

The City of Prescott reserves the right to accept or reject any or all bids, and/or some or all of the alternates bid, and waive any informality deemed in the best interest of the City and to reject the bids of any persons who have been delinquent or unfaithful in any contract with the City.

This solicitation, full submittal information and any addenda are available free of charge on the City's website at <http://www.prescott-az.gov/business-development/purchasing/bid-listings/>.

PUBLISH: August 13 & 20, 2023

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Watson Lake Aerators

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I. GENERAL INFORMATION

The City of Prescott (the “City”) invites qualified Vendors to submit a written Proposal to provide and install four each solar powered floating aerators on Watson Lake in Prescott, Arizona. To be eligible for consideration, the Vendor must submit information demonstrating appropriate competence, qualifications, and relevant construction experience with this type of project, along with bidding documents.

A. DESCRIPTION OF WORK

The City employed the services of WSP to perform engineering services to achieve Total Maximum Daily Load compliance on Watson Lake. WSP has recommended implementation of floating solar powered aerators to help achieve this goal.

The City is seeking a Vendor to provide and install four solar powered floating aerators, per the attached specifications.

B. SCOPE OF SERVICES/ITEMS FOR PURCHASE

- The Vendor will provide preconstruction services and will hold the construction contract with the City for procurement of materials and construction of the project.
- The Vendor will be responsible for construction means and methods. There will be no limit to the amount of self-performance allowed by the City.
- The Vendor will provide maintenance services for routine maintenance and repairs.
- The Vendor will provide on-site training of City Personnel regarding operation and maintenance.

C. PROJECT LIMITS – EXISTING CONDITIONS

- Access to the lake is available at two boat ramps, with the westerly ramp being the most accessible.
- Lake levels vary. As of this printing the lake is approximately six feet below spill.
- Lake levels tend to lower during early summer and then start to rise again with the seasonal monsoon.
- Watson Lake is stocked for recreational fishing and no-wake boating is allowed.
- See attached exhibit for recommended locations for the aerators.

D. NON-MANDATORY PRE-PROPOSAL CONFERENCE

The pre-proposal conference is non-mandatory for potential bidders. Anything discussed, or not discussed, in the meeting shall not change the requirements of the bid documents. Any changes to the bid documents shall be in writing with addenda. The minutes of this pre-proposal conference will be distributed to all attendees. The minutes shall not be considered part of any addendum and shall not be considered part of the contract documents for the project.

The non-mandatory pre-proposal conference will be held on August 29, 2023, at 10:00 am at this location:

**City of Prescott
Public Works Department
433 N Virginia Street
Prescott AZ 86301**

E. PROPOSED PROJECT SCHEDULE

Project milestones are estimated to be as follows:

- Request for Proposal Advertised August 13 & 20, 2023
- Proposal Due Date/Opening September 14, 2023
- Award of Contract October 2023

All milestones are the earliest dates for planning purposes only and shall not represent any contractual commitment whatsoever on the part of the City.

F. REQUESTS FOR INFORMATION

Firms who desire clarification of the procurement terms, selection criteria or submittal requirements shall restrict their inquiries to written communications only. All communications (other than delivery of the proposal as defined below) shall be addressed to the City project representative at the following:

George Henderson
Capital Project Manager
City of Prescott – Public Works
george.henderson@prescott-az.gov

Requests for information must be received by the project representative **prior to 5:00 PM on Tuesday, September 5, 2023**. Responses, or addenda as required, will be issued no later than 12:00pm (noon) on Monday, September 11, 2023. Receipt of addenda must be acknowledged on the required form in the firm’s submission. It is the submitter’s sole responsibility to check the City’s website for periodic updates or addenda.

II. SUBMITTAL REQUIREMENTS

Firms shall possess the qualifications and Arizona licenses as required by law. Responses to this Request must be in the form of a proposal, as outlined in this document. The City assumes no liability for the cost of preparing a response to this Request.

Any deviations from the provisions of this Request which are desired by the Offeror shall be specifically noted in the proposal submitted.

A. PROPOSAL REQUIREMENTS

Proposals shall be submitted as one (1) original not bound or stapled with one (1) flash drive and must conform to this Request. The proposal shall include the following:

- Form A – Solicitation Response Cover Sheet
- Form B – Bid Certification
- Form C – Non-Collusion Certificate
- Form D – Certificate of Ownership
- Form E – Bidder Qualifications, Representations and Warranties
- Form F – Subcontractor’s List ****if applicable****
- Information demonstrating appropriate competence, qualifications, and relevant construction experience with this type of project.
- Quotation

B. INSTRUCTIONS FOR SUBMITTAL FORMS

- **Form A – Solicitation Response Cover Sheet**
Bidder shall complete, sign, and submit Form A as the first page of the bid package.
- **Form B – Bid Certification**
Bidder shall complete, sign, and submit Form B.
- **Form C – Non-Collusion Certificate**
Bidder shall complete, sign, and submit Form C.
- **Form D – Certificate of Ownership**
Bidder shall complete, sign, and submit Form E completely and accurately stating the names and addresses of all persons, firms, corporations, partnerships, or other associations having any direct or indirect financial interest in the Bidder's business and the nature and extent of each such interest.
- **Form E – Bidder Qualifications, Representations and Warranties**
The City shall consider awarding agreements only to responsible Bidders. Responsible Bidders are those that have, in the sole judgment of the City, the financial ability, character, reputation, resources, skills, capability, reliability, and business integrity necessary to perform the requirements of the agreement. In determination of responsibility, the City may consider all information available to the City, whether specifically provided by the Bidder in response to this solicitation or other information otherwise available to the City in evaluating the responsibility of the Bidder. Such information may include, but is not limited to, experience and history of the City with current and/or prior contracts held by the Bidder with the City or with other agencies, references provided by the Bidder to the City, information provided by the Bidder as part of the solicitation responses, and information not specifically provided by the Bidder but is otherwise available to the City and has merit in consideration of responsibility, in the opinion of the City. The evaluation of responsibility shall be determined by the City and shall be in the sole opinion of the City. Such evaluation by the City shall be final and not subject to appeal. Furthermore, no agreement will be awarded to a Bidder if any owner of such Bidder has been convicted within the past ten years of a crime involving dishonesty or false statements, or if the Bidder has unsatisfied tax or judgment liens.

Bidder shall provide two (2) references, a sub-contractors list (if applicable) and certify there are no unsatisfied tax liens or judgments on record. Bidder shall complete, sign, and submit Form E.

- **Information demonstrating appropriate competence, qualifications, and relevant construction experience with this type of project.**
Proposer shall provide all information not bound or stapled. This information shall be limited to no more than ten (10) pages. Pages shall be letter size (8½ x 11 inches), single-sided, with a minimum font size of 11. Combinations of text and graphic material may be used at the firm's discretion to appropriately communicate facts and qualifications. Five (5) additional pages of appendices are allowed per applied category which may include graphs, charts, photos, or additional resumes.

- **Quotation**

Must include everything in the specifications, equipment, labor, training, and testing.

C. DISCLOSURE

Identify any public or private disciplinary actions against your firm or individuals within your firm that occurred within the past five (5) years and would be relevant to this contract. This includes action by professional organizations or oversight committees.

Report any significant material litigation information that would be relevant to this contract.

Disclose any investigation (involving your firm or individuals) conducted in the past five (5) years any federal or state regulatory agency that might impact this contract.

D. PROPRIETARY INFORMATION

All materials submitted in response to the solicitation, including samples, shall become the property of the City and are therefore subject to public release, upon request, after the Contract award. Firms shall clearly mark any proprietary information contained in its submittal with the words "Proprietary Information". Firms shall not mark any Solicitation Form as proprietary. Marking all or nearly all of a submittal as proprietary may result in rejection of the submittal.

Firms should be aware that the City is required by law to make its records available for public inspection. All firms, by submission of materials marked proprietary, acknowledge, and agree that the City will have no obligation to advocate for non-disclosure in any form nor will the City assume any liability to the firms in the event that the City must legally disclose these materials.

E. DELIVERY OF SUBMITTALS

Sealed proposals will be received **before 2:00 PM on Thursday, September 14, 2023**, at the **City Clerk's Office, 201 N. Montezuma Street, Suite 302, Prescott, Arizona 86301**, at which time all submittals will be publicly opened.

Any submittals received at or after 2:00 PM on the above-stated date will be returned unopened. Firms are solely responsible for the delivery of their submittals to the above location by the time and date specified. The City is not responsible for lateness of mail, carrier, etc. The city will not accept delivery of the bid at any other city locations. The time and date stamp in the City Clerk's Office shall be the official time of receipt. Electronic or facsimile submittals will not be considered. Modifications to submittals will not be considered after the 2:00 PM deadline.

The outside of the submittal envelope shall indicate the name and address of the Respondent; shall be addressed to the City Clerk, City of Prescott, at the above address; and shall be clearly marked:

**Request for Proposals:
Watson Lake Aerators
Due before 2:00 PM on September 14, 2023**

III. CONTRACT NEGOTIATION AND AWARD

To qualify the proposal must be submitted on time and materially satisfy all requirements identified in this Request. If, in the judgment of the City, a proposal does not conform to the format specified herein, or if any section is absent or significantly incomplete, the City reserves the right to reject the submittal.

A. OVERVIEW

Approval of the City Council will be required for award of a contract for performance of the services described herein.

The City reserves the right to cancel this Request, reject in whole or in part any and all submittals, waive or decline to waive irregularities in any submittals, or determine not to enter into contract as specified if determined by the City to be in the City's best interests.

B. AWARD OF CONTRACT

The selected company/firm will be required to execute and meet the terms of the City's standard General Services Agreement, including insurance requirements, in a form acceptable to the City Attorney. Approval of the City Council will be required for award of a contract for performance of the services described herein and as may additionally be developed during negotiations. Any contract award submitted to the City Council for consideration is not binding on the City until after approval by the City Council and full execution of the contract documents by both parties.

C. BASIC INSURANCE REQUIREMENTS

Vendor / Contractor and/or subcontractors shall procure and maintain until all of their obligations have been discharged, including any warranty periods under this Contract are satisfied, insurance against claims for injury to persons or damage to property which may arise from or in connection with the performance of the work hereunder by the Vendor / Contractor, his agents, representatives, employees or subcontractors.

The insurance requirements herein are minimum requirements for this Contract and in no way limit the indemnity covenants contained in this Contract.

The City in no way warrants that the minimum limits contained herein are sufficient to protect the Contractor from liabilities that might arise out of the performance of the work under this Contract by the Vendor / Contractor, his agents, representatives, employees, or subcontractors. Vendor / Contractor is free to purchase such additional insurance as may be determined necessary.

Additional Insurance Requirements: The policies shall include, or be endorsed to include the following provisions:

1. On insurance policies where the City of Prescott is named as an additional insured, the City of Prescott shall be an additional insured to the full limits of liability purchased by the Contractor even if those limits of liability are in excess of those required by this Contract.

**Additional Insured:
City of Prescott
201 N. Montezuma Street
Prescott AZ 86301**

2. The Contractor's insurance coverage shall be primary insurance and non-contributory with respect to all other available sources.

All certificates required by this Contract shall be emailed directly to coi@prescott-az.gov AND fandboperations@prescott-az.gov . The City contract number and project description shall be noted on the certificate of insurance. The City reserves the right to require complete, certified copies of all insurance policies required by this Contract at any time. Any Renewal of insurance certificates with endorsements will need to be emailed to the above emails at least two weeks prior to expiration.

Notice of Cancellation: With the exception of a ten (10) day notice of cancellation for non-payment of premium, any changes to material to compliance with this contract in the insurance policies above shall require thirty (30) day written notice.

Acceptability of Insurers: Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A-VII, unless otherwise approved by the City of Prescott Risk Management Division.

Verification of Coverage: Contractor shall furnish the City with certificates of insurance (ACORD form or equivalent approved by the City) as required by this Contract. The certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf.

All certificates and any required endorsements are to be received and approved by the City before work commences. Each insurance policy required by this Contract must be in effect at or prior to commencement of work under this Contract and remain in effect for the duration of the contract. Failure to maintain the insurance policies as required by this Contract or to provide evidence of renewal is a material breach of contract.

Insurance Limit Requirements - Contractor shall provide coverage with limits of liability not less than those stated below. An excess liability policy or umbrella liability policy may be used to meet the minimum liability requirements provided that the coverage is written on a following form basis.

Commercial General Liability – Occurrence Form:

Policy shall include bodily injury, property damage, personal injury, broad form contractual liability coverage.

- General Aggregate \$ 2,000,000
- Products – Completed Operations Aggregate \$ 1,000,000 (if applicable)
- Personal and Advertising Injury \$ 1,000,000 (if applicable)
- Each Occurrence \$ 1,000,000
- Fire Legal Liability (Damage to Rented Premises) \$ 100,000 (if applicable)

The policy shall be endorsed to include the following additional insured language:
"The City of Prescott shall be named as an additional insured with respect to liability arising out of the activities performed by, or on behalf of, the Contractor".

Business Automobile Liability: Bodily Injury and Property Damage for any owned, hired, and/or non-owned vehicles used in the performance of this Contract.

- Combined Single Limit (CSL) \$ 1,000,000

The policy shall be endorsed to include the following additional insured language:
"The City of Prescott shall be named as an additional insured with respect to liability arising out of the activities performed by, or on behalf of the Contractor".

Worker's Compensation and Employer's Liability:

Workers' Compensation	Statutory
Employer's Liability	
• Each Accident -	\$ 1,000,000
• Disease – each employee -	\$ 1,000,000
• Disease – policy limit -	\$ 1,000,000

Policy shall contain a waiver of subrogation against the City of Prescott for losses arising from work performed by or on behalf of the Vendor / Contractor.

All insurance required pursuant to this Agreement must be written by an insurance company authorized to do business in the State of Arizona, to be evidenced by a Certificate of Authority as defined in ARS Section 20-217, a copy of which certificate is to be attached to each applicable bond or binder.

Prior to commencing work under this Agreement, the Vendor / Contractor shall provide City with evidence that it is either a "self-insured employer" or a "carrier insured employer" for Workers' Compensation as required by ARS 23-901 et seq., or that it employs no persons subject to the requirement for such coverage.

IV. TERM OF CONTRACT

The Contractor hereby agrees to commence work on or before the tenth (10th) day after written notice to do so unless such commencement of work is mutually agreed to be extended by the parties due to material unavailability and delayed lead times. The Contractor will complete the work within ninety (90) calendar days after the date of the written notice to commence work. The contract will close 60 days after the substantial completion date, to finalize the payment process.

V. TERMINATION OF CONTRACT

The City reserves the right to terminate any part of or the entirety of any contract that may result from this proposal, without cause and at any time with thirty (30) calendar days written notice. In such case, the consultant shall be paid for services rendered through the date of the termination notice, and the results of all such work through that date shall become the property of the City.

VI. PROTEST POLICY

Any protest to the solicitation or award must be filed with the City Clerk's Office by 4:00 PM up to ten (10) days after award. All such protests shall be in writing and contain the following: 1) Name, address, email address and telephone number of the interested party; 2) Signature of the interested party or its representative; 3) Identification of the purchasing department and Project name; 4) Detailed statement of the legal and factual grounds for

protest including copies of relevant documents; and 5) Form of relief requested. Protesting parties must demonstrate as part of their protest that they made every reasonable effort within the schedule and procedures of this solicitation to resolve the basis or bases of their protest during the solicitation process, including asking questions, seeking clarifications, requesting addenda, and otherwise alerting the City to perceived problems so that corrective action could be taken prior to the selection of the successful firms. The City will not consider any protest based on items which could have been or should have been raised prior to the deadline for submitting questions or requesting addenda. The filing of a protest shall not prevent the City from executing an agreement with any other proposer.

VII. STANDARD INFORMATION

- A.** In case of default by the bidder, the City of Prescott may procure the items or service from other sources and may deduct from any monies due or that may thereafter become due to the bidder the difference between the price named in the contract or purchase order and the actual cost thereof to the City of Prescott. Prices paid by the City shall be considered the prevailing market price at the time such purchase is made. Periods of performance may be extended if the facts as to the cause of delay justify such extension in the opinion of the Public Works Director.
- B.** The parties hereto expressly covenant and agree that in the event of a dispute arising from this Agreement, each of the parties hereto waives any right to a trial by jury. In the event of litigation, the parties hereby agree to submit to a trial before the Court. Neither party shall be entitled to an award of attorneys' fees, either pursuant to the Contract or any other state or federal statute.
- C.** Brand names are only used for reference to indicate character or quality desired unless otherwise indicated.
- D.** The parties hereto expressly covenant and agree that in the event of a dispute arising from this Agreement, each of the parties hereto waives any right to a trial by jury. In the event of litigation, the parties hereby agree to submit to a trial before the Court. The Contractor further agrees that this provision shall be contained in all subcontracts related to the project, which is the subject of this Agreement.
- E.** The parties hereto expressly covenant and agree that in the event of litigation arising from this Agreement, neither party shall be entitled to an award of attorney fees, either pursuant to the Contract, pursuant to ARS Section 12-341.01 (A) and (B), or pursuant to any other state or federal statute, court rule, case law or common law. The Contractor further agrees that this provision shall be contained in all subcontracts related to the project that is the subject of this Agreement.
- F.** In the event of default, neither party shall be liable for incidental, special, or consequential damages.
- G.** This Agreement is non-assignable by the Contractor unless by subcontract, as approved in advance by the City.
- H.** This Agreement shall be construed under the laws of the State of Arizona.

- I. This Agreement represents the entire and integrated Agreement between the City and the Contractor and supersedes all prior negotiations, representations, or agreements, either written or oral. This Agreement may be amended only by written instrument signed by both the City and the Contractor. Written and signed amendments shall automatically become part of the Agreement, and shall supersede any inconsistent provision therein; provided, however, that any apparent inconsistency shall be resolved, if possible, by construing the provisions as mutually complementary and supplementary.
- J. In the event any provision of this Agreement shall be held to be invalid and unenforceable, the remaining provisions shall be valid and binding upon the parties. One or more waivers by either party of any provision, term, condition, or covenant shall not be construed by the other party as a waiver of a subsequent breach of the same by the other party.
- K. INDEMNIFICATION: To the fullest extent permitted by law, the Contractor shall defend, indemnify and hold harmless the City, its agents, representatives, officers, directors, officials and employees from and against all claims, damages, losses and expenses (including but not limited to attorney fees, court costs, and the cost of appellate proceedings), relating to, arising out of, or alleged to have resulted from the acts, errors, mistakes, omissions, work or services of the Contractor, its employees, agents, or any tier of subcontractors in the performance of this Contract, Contractor's duty to defend, hold harmless and indemnify the City, its agents, representatives, officers, directors, officials and employees that arise in connection with any claim, damage, loss or expense that is attributable to bodily injury, sickness, disease, death, or injury to, impairment, or destruction of property including loss of use resulting therefrom, caused by any acts, errors, mistakes, omissions, work or services in the performance of this Agreement including any employee of the Contractor or any tier of subcontractor or any other person for whose acts, errors, mistakes, omissions, work or services the Contractor may be legally liable.
- L. No oral order, objection, claim or notice by any party to the other shall affect or modify any of the terms or obligations contained in this Agreement, and none of the provisions of this Agreement shall be held to be waived or modified by reason of any act whatsoever, other than by a definitely agreed waiver or modification thereof in writing. No evidence of modification or waiver other than evidence of any such written notice, waiver or modification shall be introduced in any proceeding.
- M. Contractor Immigration Warranty (if applicable)
Contractor understands and acknowledges the applicability to it of the American with Disabilities Act, the Immigration Reform and Control Act of 1986 and the Drug Free Workplace Act of 1989. The following is only applicable to construction contracts: The Contractor must also comply with A.R.S. § 34-301, "Employment of Aliens on Public Works Prohibited", and A.R.S. § 34-302, as amended, "Residence Requirements for Employees".
Under the provisions of A.R.S. § 41-4401, Contractor hereby warrants to the City that the Contractor and each of its subcontractors ("Subcontractors") will comply with and are contractually obligated to comply with all Federal Immigration laws and regulations that relate to their employees and A.R.S. § 23-214(A) (hereinafter "Contractor Immigration Warranty").

A breach of the Contractor Immigration Warranty shall constitute a material breach of this Contract and shall subject the Contractor to penalties up to and including termination of this Contract at the sole discretion of the City.

The City retains the legal right to inspect the papers of any Contractor or Subcontractors employee who works on this Contract to ensure that the Contractor or Subcontractor is complying with the Contractor Immigration Warranty. Contractor agrees to assist the City in regard to any such inspections.

The City may, at its sole discretion, conduct random verification of the employment records of the Contractor and any of subcontractors to ensure compliance with Contractor's Immigration Warranty. Contractor agrees to assist the City in regard to any random verification performed.

Neither the Contractor nor any Subcontractor shall be deemed to have materially breached the Contractor Immigration Warranty if the Contractor or Subcontractor establishes that it has complied with employment verification provisions prescribed by sections 274A and 274B of the Federal Immigration and Nationality Act and the E-Verify requirements prescribed by A.R.S. § 23-214, Subsection A.

The provisions of this Article must be included in any contract the Contractor enters into with any and all of its subcontractors who provide services under this Contract or any subcontract. "Services" are defined as furnishing labor, time or effort in the State of Arizona by a Contractor or subcontractor. Services include construction or maintenance of any structure, building or transportation facility or improvement to real property.

N. Israel: Vendor certifies that it is not currently engaged in and agrees for the duration of this Agreement that it will not engage in a "boycott," as that term is defined in Ariz. Rev. Stat. § 35-393, of Israel.

O. Force Labor of Ethnic Uyghurs Certification: Pursuant to A.R.S. § 35- 394, Contractor / Vendor certifies that the firm does not currently, and agrees for the duration of the contract that it will not, use:

1. The forced labor of ethnic Uyghurs in the People' s Republic of China
2. Any goods or services produced by the forced labor of ethnic Uyghurs in the People' s Republic of China; and
3. Any Contractor / Vendor, subcontractors or suppliers that use the forced labor or any goods or services produced by the forced labor of ethnic Uyghurs in the People' s Republic of China.

If the Contractor / Vendor becomes aware during the term of the Contract that the company is not in compliance with the written certification, the Firm shall notify the City of Prescott within five business days after becoming aware of the noncompliance. If the Contractor / Vendor does not provide City of Prescott with a written certification that the Company has remedied the noncompliance within 180 days after notifying the City of Prescott of the noncompliance, this Contract terminates, except that if the Contract termination date occurs before the end of the remedy period, the Contract terminates on the Contract termination date.

- P.** Contracting with small and minority firms, women's business enterprise and labor surplus area firms:
1. The Company will take all necessary affirmative steps to assure that minority firms, women's business enterprises, and labor surplus area firms are used when possible.
 2. Affirmative steps shall include:
 - a. Placing qualified small and minority businesses and women's business enterprises on solicitation lists
 - b. Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources.
 - c. Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority business, and women's business enterprises.
 - d. Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority business, and women's business enterprises.
 - e. Using the services and assistance of the Small Business Administration, and the Minority Business Development Agency of the Department of Commerce.
- Q.** In the event of a discrepancy between this Agreement and other documents incorporated into this Agreement this Agreement shall control over such other incorporated documents.
- R.** Non-Availability of Funds: Fulfillment of the obligation of the City under this Agreement is conditioned upon the availability of funds appropriated or allocated for the performance of such obligations. If funds are not allocated and available for the continuance of this Agreement, this Agreement may be terminated by the City at the end of the period for which the funds are available. No liability shall accrue to the City in the event this provision is exercised, and the City shall not be obligated or liable for any future payments.



General Services Contract

Watson Lake Aerators

Contract Number: 2024-***

THIS AGREEMENT made and entered into this ** day of **, 2023, by and between ** of the City of ** (Contractor City), County of ** (Contractor County), State of ** (Contractor State), hereinafter designated “Contractor”, and the City of Prescott, a municipal corporation, organized and existing under and by virtue of the laws of the State of Arizona, hereinafter designated “City”.

WITNESSETH: That the said Contractor, for and in consideration of the sum to be paid by the said City, and of the other covenants and agreements herein contained, and under the penalties expressed in the bonds provided, hereby agrees, for himself, his heir, executors, administrators, successors and assigns as follows:

ARTICLE I – SCOPE OF WORK: The Contractor shall furnish any and all labor, materials, equipment, transportation, utilities, services and facilities, required to perform all work for the construction of the project described as City of Prescott: Watson Lake Aerators in a good and workmanlike and substantial manner and to the satisfaction of the City through its Contractors and under the direction and supervision of the Public Works Director, or his properly authorized agents and strictly pursuant to and in conformity with the Plans and Specifications prepared by the Contractors for the City, and with such written modifications of the same and other documents that may be made by the City through the Public Works Director or his properly authorized agents, as provided herein.

ARTICLE II – CONTRACT DOCUMENTS: The Notice Inviting Bids, Plans, Standards Specifications and Details, Special Conditions, Addenda, if any, and Proposal as accepted by the Mayor and Council per Council Minutes of ** (Date of Council Meeting approved), Performance Bond, Payment Bond, Bid Bond, Certificate of Insurance and Contract Amendments, if any, are by this reference made a part of this Contract to the same extent as if set forth herein in.

ARTICLE III – TIME OF COMPLETION: The Contractor hereby agrees to commence work on or before the tenth (10th) day after written notice to do so unless such commencement of work is mutually agreed to be extended by the parties due to material unavailability and delayed lead times. The Contractor will complete the work within ninety (90) calendar days after the date of the written notice to commence work. The contract will close 60 days after the substantial completion date, to finalize the payment process.

ARTICLE IV – COMPENSATION: Contractor shall be paid, pursuant to the provisions as set forth in the Contract documents, the total sum of ** (Written amount) dollars and no cents (** \$ 000.00) plus any approved contract amendments, for the full and satisfactory completion of all work as set forth in the Project Specifications and Contract Documents. Retention shall be in accordance with Arizona Revised Statutes Section 34-221.

ARTICLE V – CONFLICT OF INTEREST: Pursuant to ARS Section 38-511, the City of Prescott may cancel this contract, without penalty or further obligation, if any person significantly involved in initiating, negotiation, securing, drafting or creating the contract on behalf of the City of Prescott is, at any time while the contract or any extension of the contract is in effect, an employee or agent of any other party to the contract in any capacity or a consultant to any other party of the contract with respect to the subject matter of the contract. In the event of the foregoing, the City of Prescott further elects to recoup any fee or commission paid or due to any person significantly involved in initiating, negotiation, securing, drafting, or creating this contract on behalf of the City of Prescott from any other party to the contract, arising as a result of this contract.

ARTICLE VI – AMBIGUITY: This Agreement is the result of negotiations by and between the parties. Although it has been drafted by the Prescott City Attorney, it is the result of the negotiations between the parties. Therefore, any ambiguity in this Agreement is not to be construed against either party.

ARTICLE VII – NONDISCRIMINATION: The Contractor, with regard to the work performed by it after award and during its performance of this contract, will not discriminate on the grounds of race, color, national origin, religion, sex, disability or familial status in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The Contractor will not participate either directly or indirectly in the discrimination prohibited by or pursuant to Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Section 109 of the Housing and Community Development Act of 1974, the Age Discrimination Act of 1975, the Americans With Disability Act (Public Law 101-336, 42 U.S.C. 12101-12213) and all applicable federal regulations under the Act, and Arizona Governor Executive Orders 99-4, 2000-4 and 2009-09 as amended.

ARTICLE VIII – INDEPENDENT CONTRACTOR STATUS: It is expressly agreed and understood by and between the parties that the Contractor is being retained by the City as an independent contractor, and as such the Contractor shall not become a City employee, and is not entitled to payment or compensation from the City or to any fringe benefits to which other City employees are entitled other than that compensation as set forth in Article IV - Compensation above. As an independent contractor, the Contractor further acknowledges that he is solely responsible for payment of any and all income taxes, FICA, withholding, unemployment insurance, or other taxes due and owing any governmental entity whatsoever as a result of this Agreement. As an independent contractor, the Contractor further agrees that he will conduct himself in a manner consistent with such status, and that he will neither hold himself out nor claim to be an officer or employee of the City by reason thereof, and that he will not make any claim, demand or application to or for any right or privilege applicable to any officer or employee of the

City, including but not limited to workmen's compensation coverage, unemployment insurance benefits, social security coverage, or retirement membership or credit.

ARTICLE IX – CITY FEES: Prior to final payment to the Contractor, the City shall deduct there from any and all unpaid privilege, license and other taxes, fees and any and all other unpaid moneys due the City from the Contractor and shall apply to those moneys to the appropriate account. Contractor shall provide to the City any information necessary to determine the total amount(s) due.

ARTICLE X – OTHER WORK IN PROJECT AREA: The City of Prescott, any other contractors, whether under contract with the City, a third party, and/or utilities, may be working within the project area while this Contract is in progress. The Contractor herein acknowledges that delays and disruptions may, and in all likelihood, will occur due to other work. The Contractor's bid shall be deemed to have recognized and included costs arising from and associated with other work in the project area disclosed by the Contract Documents or which would be apparent to an experienced contractor exercising due diligence during inspection of the project documents, the question-and-answer session in the pre-bid process or during site inspection. No payment will be made for any delays or disruptions in the work schedule that are wholly the fault of the contractor, its agents, employees, or any of the contractor's subcontractors. In the event that the contractor encounters delay or disruption in the project schedule due to factors not wholly the fault of the contractor or within the contractor's control then the Contract may be adjusted pursuant to the Delay's and Extension of Time provisions of this Contract and a timely request submitted for Contract Amendment. Failure to submit a timely request for Contract Amendment shall be deemed a waiver of any entitlement to additional compensation.

ARTICLE XI – RIGHT TO ASSURANCE: If the City in good faith has reason to believe that the Contractor does not intend to or is unable to perform or continue performing under this Contract, the Public Works Director may demand in writing that the Contractor give a written assurance of intent to perform. Failure by the Contractor to provide written assurance within the number of Days specified in the demand may, at the City's option, be the basis for terminating the Contract.

ARTICLE XII – TERMINATION FOR CONVENIENCE: The City reserves the right to terminate the Contract, in whole or in part at any time, when in the best interests of the City without penalty or recourse. Upon receipt of the written notice, the Contractor shall stop all work, as directed in the notice, notify all subcontractors of the effective date of the termination, and minimize all further costs to the City. In the event of termination under this paragraph, all documents, data, and reports prepared by the Contractor under the Contract shall become the property of and be delivered to the City upon demand. The Contractor shall be entitled to receive just and equitable compensation for work completed, and materials accepted before the effective date of the termination.

ARTICLE XI – MISCELLANEOUS

- A. The parties hereto expressly covenant and agree that in the event of a dispute arising from this Agreement, each of the parties hereto waives any right to a trial by jury. In the event of litigation, the parties hereby agree to submit to a trial before the Court. The Contractor further agrees that this provision shall be contained in all subcontracts related to the project, which is the subject of this Agreement.
- B. The parties hereto expressly covenant and agree that in the event of litigation arising from this Agreement, neither party shall be entitled to an award of attorney fees, either pursuant to the Contract, pursuant to ARS Section 12-341.01 (A) and (B), or pursuant to any other state or federal statute, court rule, case law or common law. The Contractor further agrees that this provision shall be contained in all subcontracts related to the project that is the subject of this Agreement.
- C. In the event of default, neither party shall be liable for incidental, special, or consequential damages.
- D. Any notices to be given by either party to the other must be in writing, and personally delivered or mailed by prepaid postage, at the following addresses:

Public Works Deputy Director **
City of Prescott **
433 N Virginia Street **
Prescott, AZ 86301 **

- E. This Agreement is non-assignable by the Contractor unless by subcontract, as approved in advance by the City.
- F. All invoices shall be emailed to the project manager and fandboperations@prescott-az.gov.
- G. This Agreement shall be construed under the laws of the State of Arizona.
- H. This Agreement represents the entire and integrated Agreement between the City and the Contractor and supersedes all prior negotiations, representations, or agreements, either written or oral. This Agreement may be amended only by written instrument signed by both the City and the Contractor. Written and signed amendments shall automatically become part of the Agreement, and shall supersede any inconsistent provision therein; provided, however, that any apparent inconsistency shall be resolved, if possible, by construing the provisions as mutually complementary and supplementary.
- I. In the event any provision of this Agreement shall be held to be invalid and unenforceable, the remaining provisions shall be valid and binding upon the parties. One or more waivers by either party of any provision, term, condition, or covenant shall not be construed by the other party as a waiver of a subsequent breach of the same by the other party.
- J. INDEMNIFICATION: To the fullest extent permitted by law, the Contractor shall defend, indemnify and hold harmless the City, its agents, representatives, officers, directors, officials and employees from and against all claims, damages, losses and expenses (including but not

limited to attorney fees, court costs, and the cost of appellate proceedings), relating to, arising out of, or alleged to have resulted from the acts, errors, mistakes, omissions, work or services of the Contractor, its employees, agents, or any tier of subcontractors in the performance of this Contract, Contractor's duty to defend, hold harmless and indemnify the City, its agents, representatives, officers, directors, officials and employees that arise in connection with any claim, damage, loss or expense that is attributable to bodily injury, sickness, disease, death, or injury to, impairment, or destruction of property including loss of use resulting therefrom, caused by any acts, errors, mistakes, omissions, work or services in the performance of this Agreement including any employee of the Contractor or any tier of subcontractor or any other person for whose acts, errors, mistakes, omissions, work or services the Contractor may be legally liable.

K. No oral order, objection, claim or notice by any party to the other shall affect or modify any of the terms or obligations contained in this Agreement, and none of the provisions of this Agreement shall be held to be waived or modified by reason of any act whatsoever, other than by a definitely agreed waiver or modification thereof in writing. No evidence of modification or waiver other than evidence of any such written notice, waiver or modification shall be introduced in any proceeding.

L. INSURANCE: Vendor / Contractor and/or subcontractors shall procure and maintain until all of their obligations have been discharged, including any warranty periods under this Contract are satisfied, insurance against claims for injury to persons or damage to property which may arise from or in connection with the performance of the work hereunder by the Vendor / Contractor, his agents, representatives, employees or subcontractors.

The insurance requirements herein are minimum requirements for this Contract and in no way limit the indemnity covenants contained in this Contract.

The City in no way warrants that the minimum limits contained herein are sufficient to protect the Contractor from liabilities that might arise out of the performance of the work under this Contract by the Vendor / Contractor, his agents, representatives, employees, or subcontractors. Vendor / Contractor is free to purchase such additional insurance as may be determined necessary.

Additional Insurance Requirements: The policies shall include, or be endorsed to include the following provisions:

3. On insurance policies where the City of Prescott is named as an additional insured, the City of Prescott shall be an additional insured to the full limits of liability purchased by the Contractor even if those limits of liability are in excess of those required by this Contract.

**Additional Insured:
City of Prescott
201 N. Montezuma Street
Prescott AZ 86301**

4. The Contractor's insurance coverage shall be primary insurance and non-contributory with respect to all other available sources.

All certificates required by this Contract shall be emailed directly to coi@prescott-az.gov AND fandboperations@prescott-az.gov . The City contract number and project description shall be noted on the certificate of insurance. The City reserves the right to require complete, certified copies of all insurance policies required by this Contract at any time. Any Renewal of insurance certificates with endorsements will need to be emailed to the above emails at least two weeks prior to expiration.

Notice of Cancellation: With the exception of a ten (10) day notice of cancellation for non-payment of premium, any changes to material to compliance with this contract in the insurance policies above shall require thirty (30) day written notice.

Acceptability of Insurers: Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A-VII, unless otherwise approved by the City of Prescott Risk Management Division.

Verification of Coverage: Contractor shall furnish the City with certificates of insurance (ACORD form or equivalent approved by the City) as required by this Contract. The certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf.

All certificates and any required endorsements are to be received and approved by the City before work commences. Each insurance policy required by this Contract must be in effect at or prior to commencement of work under this Contract and remain in effect for the duration of the contract. Failure to maintain the insurance policies as required by this Contract or to provide evidence of renewal is a material breach of contract.

Insurance Limit Requirements - Contractor shall provide coverage with limits of liability not less than those stated below. An excess liability policy or umbrella liability policy may be used to meet the minimum liability requirements provided that the coverage is written on a following form basis.

Commercial General Liability – Occurrence Form:

Policy shall include bodily injury, property damage, personal injury, broad form contractual liability coverage.

- General Aggregate \$ 2,000,000
- Products – Completed Operations Aggregate \$ 1,000,000 (if applicable)
- Personal and Advertising Injury \$ 1,000,000 (if applicable)
- Each Occurrence \$ 1,000,000
- Fire Legal Liability (Damage to Rented Premises) \$ 100,000 (if applicable)

The policy shall be endorsed to include the following additional insured language:

"The City of Prescott shall be named as an additional insured with respect to liability arising out of the activities performed by, or on behalf of, the Contractor ".

Business Automobile Liability: Bodily Injury and Property Damage for any owned, hired, and/or non-owned vehicles used in the performance of this Contract.

- Combined Single Limit (CSL) \$ 1,000,000

The policy shall be endorsed to include the following additional insured language:
"The City of Prescott shall be named as an additional insured with respect to liability arising out of the activities performed by, or on behalf of the Contractor".

Worker's Compensation and Employer's Liability:

Workers' Compensation	Statutory
Employer's Liability	
• Each Accident -	\$ 1,000,000
• Disease – each employee -	\$ 1,000,000
• Disease – policy limit -	\$ 1,000,000

Policy shall contain a waiver of subrogation against the City of Prescott for losses arising from work performed by or on behalf of the Vendor / Contractor.

All insurance required pursuant to this Agreement must be written by an insurance company authorized to do business in the State of Arizona, to be evidenced by a Certificate of Authority as defined in ARS Section 20-217, a copy of which certificate is to be attached to each applicable bond or binder.

Prior to commencing work under this Agreement, the Vendor / Contractor shall provide City with evidence that it is either a "self-insured employer" or a "carrier insured employer" for Workers' Compensation as required by ARS 23-901 et seq., or that it employs no persons subject to the requirement for such coverage.

M. Contractor Immigration Warranty

Contractor understands and acknowledges the applicability to it of the American with Disabilities Act, the Immigration Reform and Control Act of 1986 and the Drug Free Workplace Act of 1989. The following is only applicable to construction contracts: The Contractor must also comply with A.R.S. § 34-301, "Employment of Aliens on Public Works Prohibited", and A.R.S. § 34-302, as amended, "Residence Requirements for Employees".

Under the provisions of A.R.S. § 41-4401, Contractor hereby warrants to the City that the Contractor and each of its subcontractors ("Subcontractors") will comply with and are contractually obligated to comply with all Federal Immigration laws and regulations that relate to their employees and A.R.S. § 23-214(A) (hereinafter "Contractor Immigration Warranty").

A breach of the Contractor Immigration Warranty shall constitute a material breach of this Contract and shall subject the Contractor to penalties up to and including termination of this Contract at the sole discretion of the City.

The City retains the legal right to inspect the papers of any Contractor or Subcontractors employee who works on this Contract to ensure that the Contractor or Subcontractor is complying with the Contractor Immigration Warranty. Contractor agrees to assist the City in regard to any such inspections.

The City may, at its sole discretion, conduct random verification of the employment records of the Contractor and any of subcontractors to ensure compliance with Contractor's Immigration Warranty. Contractor agrees to assist the City in regard to any random verification performed.

Neither the Contractor nor any Subcontractor shall be deemed to have materially breached the Contractor Immigration Warranty if the Contractor or Subcontractor establishes that it has complied with employment verification provisions prescribed by sections 274A and 274B of the Federal Immigration and Nationality Act and the E-Verify requirements prescribed by A.R.S. § 23-214, Subsection A.

The provisions of this Article must be included in any contract the Contractor enters into with any and all of its subcontractors who provide services under this Contract or any subcontract. "Services" are defined as furnishing labor, time or effort in the State of Arizona by a Contractor or subcontractor. Services include construction or maintenance of any structure, building or transportation facility or improvement to real property.

- N.** Israel: Vendor certifies that it is not currently engaged in and agrees for the duration of this Agreement that it will not engage in a "boycott," as that term is defined in Ariz. Rev. Stat. § 35-393, of Israel.
- O.** Force Labor of Ethnic Uyghurs Certification: Pursuant to A.R.S. § 35- 394, Contractor / Vendor certifies that the firm does not currently, and agrees for the duration of the contract that it will not, use:
1. The forced labor of ethnic Uyghurs in the People' s Republic of China
 2. Any goods or services produced by the forced labor of ethnic Uyghurs in the People' s Republic of China; and
 3. Any Contractor / Vendor, subcontractors or suppliers that use the forced labor or any goods or services produced by the forced labor of ethnic Uyghurs in the People' s Republic of China.

If the Contractor / Vendor becomes aware during the term of the Contract that the company is not in compliance with the written certification, the Firm shall notify the City of Prescott within five business days after becoming aware of the noncompliance. If the Contractor / Vendor does not provide City of Prescott with a written certification that the Company has remedied the noncompliance within 180 days after notifying the City of Prescott of the noncompliance, this Contract terminates, except that if the Contract termination date occurs before the end of the remedy period, the Contract terminates on the Contract termination date.

- P.** Contracting with small and minority firms, women's business enterprise and labor surplus area firms:
3. The Company will take all necessary affirmative steps to assure that minority firms, women's business enterprises, and labor surplus area firms are used when possible.
 4. Affirmative steps shall include:
 - f. Placing qualified small and minority businesses and women's business enterprises on solicitation lists
 - g. Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources.

- h. Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority business, and women's business enterprises.
- i. Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority business, and women's business enterprises.
- j. Using the services and assistance of the Small Business Administration, and the Minority Business Development Agency of the Department of Commerce.

Q. In the event of a discrepancy between this Agreement and other documents incorporated into this Agreement this Agreement shall control over such other incorporated documents.

R. Non-Availability of Funds: Fulfillment of the obligation of the City under this Agreement is conditioned upon the availability of funds appropriated or allocated for the performance of such obligations. If funds are not allocated and available for the continuance of this Agreement, this Agreement may be terminated by the City at the end of the period for which the funds are available. No liability shall accrue to the City in the event this provision is exercised, and the City shall not be obligated or liable for any future payments as a result of termination under this paragraph.

Dated this _____ day of _____ 2023.

ATTEST: _____ City of Prescott, a municipal corporation

 **Contractor Philip R. Goode, Mayor

By: _____

Title: _____

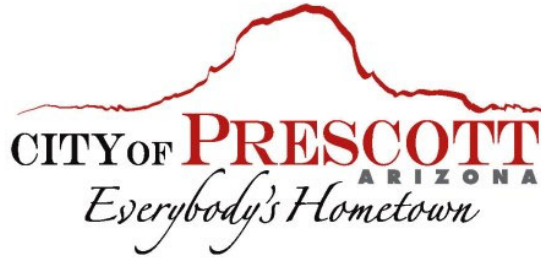
Email: _____

Attest: _____ Approved as to Form:

 Sarah M. Siep, City Clerk

 Joseph D. Young, City Attorney

Form A – Solicitation Response Cover Sheet



Solicitation Response

Watson Lake Aerators

Please note all that apply:

- Addenda Number(s) Received (if any)
- Original Forms A through E
- Information Requested
- Quotation

Business Name: _____

Business Address: _____

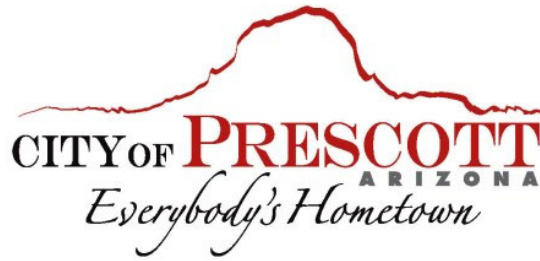
Business Phone: (____) _____

Business Contact: _____

Contact Email: _____

Contractor Comments: _____

FORM B – BID CERTIFICATION



Watson Lake Aerators

Company Name: _____

The undersigned Bidder hereby certifies as follows:

C1 That he/she has read The City of Prescott’s solicitation documents, its appendices and attachments, and the following Addenda, and to the best of his/her knowledge, has complied with the mandatory requirements stated therein.

Addendum	Issue Date
_____	_____
_____	_____

C2 That he/she has had opportunity to ask questions regarding the solicitation, and that such questions having been asked, have been answered by the City.

C3 That the Bidder’s bid consists of the following:

1. Form A – Solicitation Response Cover Sheet
2. Form B – Bid Certification
3. Form C – Non-Collusion Certificate
4. Form D – Certificate of Ownership
5. Form E – Bidder Qualifications, Representations and Warranties; Bidder to provide attachment: Attachment – Subcontractor’s List
6. Information Requested
7. Quotation

C4 That the Bidder’s bid is valid for 90 days.

Dated this ____ day of _____ 2023.

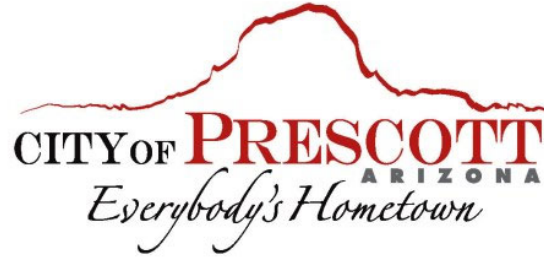
Signature

Phone Number

Written Name

Email Address

FORM C – NON-COLLUSION CERTIFICATE



Watson Lake Aerators

Company Name: _____

The undersigned Bidder hereby certifies as follows:

To the best of his/her knowledge, the person, firm, association, partnership, or corporation herein, has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive pricing in the preparation and submission of a bid to The City of Prescott for consideration in the award of this solicitation.

Dated this _____ day of _____ 2023.

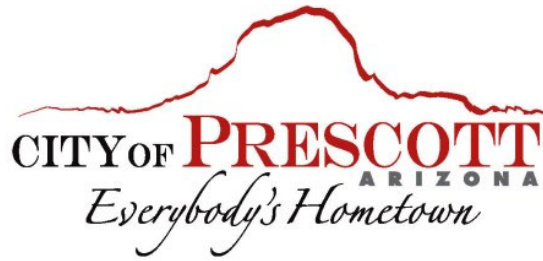
Signature

Phone Number

Written Name

Email Address

FORM D – CERTIFICATE OF OWNERSHIP



Watson Lake Aerators

Company Name: _____

The undersigned Bidder hereby certifies as follows:

To the best of his/her knowledge, the person, firm, association, partnership, or corporation herein, are the only person, firms, corporations, partnerships, or other associations having any direct or indirect financial interest in the Bidder's business as legal or equitable owner, creditor (except current bills for operating expenses), or holder of any security or other evidence of indebtedness.

Dated this _____ day of _____ 2023.

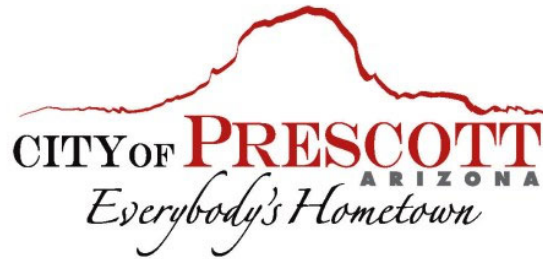
Signature

Phone Number

Written Name

Email Address

FORM E – BIDDER QUALIFICATIONS, REPRESENTATIONS AND WARRANTIES



Watson Lake Aerators

Company Name: _____

The undersigned Bidder hereby certifies as follows:

- F1 Taxes and Liens - Bidder has no unsatisfied tax or judgment lien on record.
- F2 Subcontractors – Bidder submits as Attachment 4 to this Bid Form A, a list of all subcontractors it will use in performing the requirements of the agreement resulting from this solicitation. A subcontractor is any separate legal entity used to perform requirements of the proposed agreement. The list shall include the firm’s name, contact person and title, mailing address, telephone number, fax number and a description of the service(s) to be subcontracted. Bidder shall also attach a copy of the letter from the subcontractor stating its commitment to perform the services(s) subcontracted.
- F3 References – The City will enter into an agreement only with a Bidder(s) having a reputation of satisfactory performance. The Bidder’s ability to provide timely service; knowledgeable, conscientious, and courteous staff; reasonable care and skill; invoicing consistent with contract pricing, etc., are important to the City. Bidder provides information for two clients, other than the City of Prescott, that presently contract with Bidder for similar goods or services:

Reference #1

Firm Name: _____

Address: _____

Contact Person: _____

Phone Number: _____

Reference #2

Firm Name: _____

Address: _____

Contact Person: _____

Phone Number: _____

Note: The bid evaluators may contact the customer references, as well as any other customers or customer employees including The City of Prescott. A Bidder with unsatisfactory references may have its bid rejected.

F4 Bidder's Examination - Bidder has made its own examination, investigation, and research regarding the requirements of the solicitation including but not limited to the work to be done, services to be performed, any conditions affecting the work and services, the type and quantity of labor, equipment, and facilities necessary to perform. Bidder fully understands the character of the work and services, the manner in which payment is to be made, the terms and conditions of the draft agreement (see Appendix C), and the solicitation. Bidder acknowledges and agrees that it has satisfied itself by its own examination, investigation, and research, and that it will make no claim against the City because of erroneous estimates, statements, or interpretations made by City. Bidder hereby proposes to furnish all materials, equipment, and facilities and to perform all labor which may be required to do the work within the time required and upon the terms and conditions provided in the draft agreement and the solicitation, and at the prices as bid.

Dated this _____ day of _____ 2023.

Signature

Phone Number

Written Name

Email Address

FORM F – SUBCONTRACTORS LIST

Watson Lake Aerators			
Subcontractor Information	Bid Item(s)	Subcontract Amount	% of Total Bid
Name: Address: Phone #: License #:			
Name: Address: Phone #: License #:			
Name: Address: Phone #: License #:			
Name: Address: Phone #: License #:			
Total Subcontract Amount and Percentage of Bid	\$		%

**Use additional form(s) if needed*

Watson Lake Aerators

SPECIFICATIONS:

PART 1 – GENERAL

1.01 EQUIPMENT OVERVIEW

A. These specifications provide the requirements to furnish, deliver and place into operation reservoir circulation equipment at Watson Lake in Prescott, Arizona.

1.02 REFERENCES

- A. Occupational Safety and Health Administration, OSHA
- B. Department of Transportation, DOT
- C. Underwriters Laboratories Inc., UL 1989
- D. Hunt Water Adsorption Test
- E. United States Food and Drug Administration, FDA title 21

1.03 QUALITY ASSURANCE

A. Continuous Operation Equipment. The circulation equipment shall operate continuously, all day and all night, during all seasons including winter.

B. No Visual Defects. The circulation equipment shall have no visual defects, and shall have high quality welds and assembly, corrosion resistant finish, and site-specific operational controls.

C. Qualified US Manufacturer. The manufacturer of the equipment shall have extensive experience in the production of such equipment, and the equipment shall be manufactured in the continental United States.

D. Factory Startup Services. Delivery, placement, and startup services shall be included in the bid and performed by full time factory employees experienced in the operation of this equipment and who have completed OSHA safety trainings applicable to this type of work.

E. Warranty. The circulation equipment shall be warranted to be free of defects in materials and workmanship for a period of 2 years from the date of original placement. A copy of the warranty shall be included with the submittal. This equipment warranty would run directly from the manufacturer of the equipment to the owner. The equipment warranty would not be part of the contract or any required bond.

1.04 SUBMITTALS

A. The awarded Proposer shall provide five [5] copies of the following documents. Upon acceptance of these documents by the Engineer, the Proposer will be issued a Notice to Proceed, and may then proceed to furnish the equipment.

1. A qualification statement demonstrating compliance with Section 1.03.
2. Shop drawings for the circulation equipment.
3. Manufacturer's literature, illustrations, and specification sheets.

B. Following equipment placement, additional Submittals shall include:

1. A complete operation and maintenance manual.

C. Within 30 days of equipment placement, the manufacturers report including:

1. Aerial photograph with labeling of reservoir data.
2. Work summary.
3. Customer contact information.
4. Climate / weather conditions.
5. Circulation machine information.
6. Technician field notes.
7. GPS location of each circulation machine and test point.
8. Secchi depth at a minimum of four (4) locations per reservoir.
9. Free water, slurry and sludge / sediment depths at a minimum of four (4) locations per reservoir.

1.05 FIELD SERVICES

A. Factory Personnel

The placement and startup shall be performed by full time factory employees trained in the operation of the circulation equipment.

B. Safety

Technicians shall have received job-specific safety training on (a) Working over Water, (b) Boating Safety, (c) Disinfecting Procedures, (d) Confined Space Entry, (e) Fall Protection, and (f) DOT Compliance.

PART 2 – PRODUCT SPECIFICATIONS

2.01 MANUFACTURER

A. Specified Equipment

The circulation equipment shall be manufactured by Ixom Watercare, Inc. of Dickinson, ND, or be a pre-approved alternative.

B. Pre-approved Alternative(s)

Alternatives to the specified equipment will be considered on the following basis only.

1. Ten (10) Days Before Proposal

To offer equipment as a pre-approved alternative, written application from the alternative supplier shall be made to the Engineer at least 10 days in advance of the bid opening.

2. No Material Difference in Quality of Equipment or in Vendor Support.

The application should include:

- a. A brief description of how the offered alternative does or does not meet each of the specifications in this document.

- b. An analysis of how acceptance of the alternative equipment would likely affect the overall water quality goals of the project.

c. A statement of the science and support background of the supplier of the alternative equipment, so that the benefits and costs of the alternative equipment to the Owner can be estimated by the Engineer.

3. Five (5) Day Notice to Proposers

If the alternative equipment is accepted by the Engineer, an informational addendum to these specifications shall be distributed by the Engineer to plan holders at least 5 days in advance of the proposal opening.

2.02 PERFORMANCE AND FEATURES

A. Flow Rate Required for Each Body of Water

To meet the project flow rate requirements, the following total flow rate shall be provided for each body of water, 24 hours per day X 365 days/year, involved in this project. "Total flow rate" is defined to be the total flow, in gallons per minute (GPM), through the impeller(s) of the machines in that cell. The total flow rate may be achieved with a fewer number of high GPM machines, or else a larger number of low GPM machine, at the bidder's option, as long as the total GPM shown below is met for each reservoir or cell on a continuous basis for 24 hours per day.

Cell #	Total flow rate through the impeller(s), gallons per minute (GPM)
1	3,000
2	3,000
3	3,000
4	3,000

B. Stainless Steel Construction

The circulation equipment shall be constructed primarily of Type 316 stainless steel metal for strength and superior corrosion resistance.

C. Motor

The circulation equipment shall be mechanically operated by a motor that meets the following criteria.

1. Brushless, brush motors requiring brush replacement not accepted.
2. Hall effect commutation for motor control.
3. Direct Drive, with no gearbox, to avoid lubrication maintenance.
4. Stainless Steel Bearings, requiring no scheduled lubrication, rated bearing life expectancy greater than 100,000 hours continuous operation.

5. Designed for marine, outdoor environment by having a sealed housing with polymeric encapsulated internal windings for superior corrosion resistance. Capable of withstanding the following environmental conditions.

- a. -40oF to 140oF (-40oC to 60oC) ambient temperature range, freeze resistant.
- b. 100% humidity.
- c. Condensation resistant.
- d. Splash resistant.

6. Designed for Continuous Operation without overheating or compromising motor life expectancy.

7. Less Than 48 volts DC power requirement, to avoid risk of electrocution.

D. Controller

The circulation equipment shall be supplied with a motor controller and power management with the following features:

1. Digital Electronic Control System, with firmware and software that is easily re-programmable to optimize the level of water quality achieved in the reservoir.

2. Anti-Jam Reverse, automated self-clearing for locked rotor triggered by high current occurrences caused from jammed impeller.

3. Operation Schedule, with daily and seasonal scheduling for motor speed and direction.

4. Scheduled Reverse Cycles, with daily reverse impeller cycling for self-clearing of impeller to minimize fouling.

5. Motor Health Status Monitoring and Recording, including scheduled speed, commanded speed, actual speed, motor current, motor voltage, and motor controller errors.

6. Fully Potted and Encapsulated Motor Control Circuit, for superior corrosion resistance in marine environment.

7. Secured Digital (SD) Card Reprogrammable features, so digital controller is capable of being field programmable using an SD card for uploading new firmware and changing programmed operations.

8. Manual On/Off Switch, to shut power off to the motor. On/Off switch shall be rated for marine environment and have yellow and red color markings for indicating emergency shut off.

9. Fused Main Power Line, for added protection against power surge through motor controller and motor.
10. Temperature Compensated Charging, so that battery charging parameters are automatically adjusted based on battery temperature.
11. Maximum Power Point Tracking (MPPT), so the charging algorithm is automatically adjusted for optimum results based on solar power input and battery capacity.
12. Power Conservation & Continued Operation Mode, a programmed algorithm for reducing motor load and continuing operation by incremental speed reduction. This feature to be automatically enabled when extended low sunlight conditions occur or battery reserve power is reduced.
13. Low Voltage Shut Off, a programmed shut off switch to disconnect motor load before reaching damaging depth of battery discharge. The motor load automatically re-connects when battery capacity is restored.
14. NEMA 4 Enclosure, for protection against condensation and moisture in a marine environment. The internal circuit boards shall be conformally coated for added protection against moisture.

E. Battery

The battery power storage shall meet the following criteria:

1. Single Battery, multiple batteries are not allowed unless connected in series, to avoid charging problems leading to failed batteries.
2. Battery Capacity Rating, at a 24-hour discharge rate, in watt hours, shall be at least 50 times the motor load in watts during normal operation (full speed, peak load).
3. Battery shall be Submerged, to avoid extremes in temperature and extend battery life.
4. Battery shall comply with DOT HMR49, non-spillable battery, for transport.
5. Battery shall be UL Listed, compliant to UL 1989.
6. Battery shall have a pressure relief Safety Valves for each cell that incorporates a flame-arrester for safety and rated as Explosion Resistant.
7. Battery shall be Maintenance Free and not require re-watering.
8. Battery shall contain power conductors constructed of multi strand power wire having a flexible outer jacket, all contained inside stainless-steel sheathing for protection from the elements and from rodents.

9. Battery shall be Freeze Tolerant for frigid conditions.
10. Battery shall have a Self-Discharge Rate of 1% to 3% per month.
11. Battery shall have a Temperature Sensor monitoring battery housing temperature, not ambient temperature, to optimize charging cycles and extend battery life.
12. Battery shall be encased in Double Wall Plastic, and mounted in a Stainless-Steel Cage, for safety and battery protection purposes.

F. Photovoltaic Modules (PV modules, Solar Panels)

The PV modules shall meet the following criteria:

1. To ensure continuous operation of the motor and impeller in all seasons, the total Nominal Wattage Rating of the PV modules shall be a minimum of 5 times the normal operating wattage of the motor.
2. To ensure adequate power collection during low sunlight conditions, photovoltaic modules shall be Mono-Crystalline, not multi-crystalline.
3. Photovoltaic modules shall contain power conductors constructed of multi strand power wire having a flexible outer jacket and shall be contained inside stainless-steel sheathing for protection from the elements and from rodents.

G. System Operation Monitoring

The digital controller shall have the following monitoring features:

1. LED (Light Emitting Diode) Flash Code, flashing LEDs in the control box readily accessible by service personnel shall provide continuous electrical diagnostics so the state of the power system can easily be determined.
2. SCADA (Supervisory Control and Data Acquisition), the digital controller shall output system state of health and operation monitoring using RS-232 serial communication (Modbus RTU), DB9 male connection point. A protocol document shall be provided for local network (PLC or RTU) programming assistance.
3. Operation Back Log, the digital controller shall store within controller memory a 30-day rolling log of all primary machine operation parameters.

H. Adjustable Horizontal Water Intake

The circulation equipment shall be supplied with an intake capable of being field adjusted to a set level below the water surface without requiring machine removal and redeployment. The intake shall bring a 1 ft (30 cm) thick horizontal layer of water into the machine. The intake shall include a singular hose of adequate

length to reach the required intake depth setting. The flow through the hose and intake shall not exceed 1 foot per second (0.3 meter per second).

I. High Wave Intake

Watson Lake is a large reservoir with high wave conditions. The circulation equipment shall be supplied with a fluid intake that shall be of high wave type flanged and bolted to the bottom of the circulation equipment. The high wave intake shall have a base capable of opening vertically and quickly during high wave events to reduce forces on the floating circulation frame by allowing water to escape out of the intake hose. The intake base shall be configured to remain horizontal during normal operating conditions.

J. Maintenance Requirements

The circulation equipment shall operate normally with the following maintenance features.

1. No scheduled lubrication is required of any system components including motor and motor bearing.
2. No brush replacement, gearbox replacement, or motor replacement shall be expected or required during the expected life of the circulation equipment.
3. No spare parts shall be required to be kept on hand.
4. No tools beyond normal cleaning supplies and a few common hand tools shall be required for scheduled maintenance.
5. Circulator shall be equipped with swinging latched gates for easy access to digital controller, motor, and impeller assembly for inspection.
6. Impeller assembly shall be removable without requiring any tools and shall be easily accomplished out on the water where circulation equipment is deployed.
7. Circulator shall be equipped with a bird deterrent system to minimize bird roosting, droppings on photovoltaic modules.

K. Solids Handling

The circulation equipment shall be capable of passing up to 4 inch (10 cm) spherical solids through the intake and impeller.

L. Flotation

The circulation equipment shall contain a flotation system meeting the following criteria.

1. Adjustable Float Arms shall have a 1" (2.5 cm) diameter shaft and turnbuckle to achieve the optimal performance setting. The float arms shall be a closed frame to minimize torsion forces on the circulation equipment and provide balanced flotation.

2. Flotation Buoyancy shall be 1,350 pounds (620 kg) or more to support the weight of the assembled circulation equipment with a safety factor greater than 1.5. Each circulation machine shall weigh approximately 850 pounds (380 kg).

3. For Flotation Longevity, flotation shall contain Expanded Polystyrene Foam (EPS) beads that are steamed together to minimize water adsorption and provide a solid float core for structural strength. The EPS contents shall have a 0.9-1.2 pounds per cubic foot density with water adsorption not to exceed three pounds per cubic foot in accordance with the Hunt Water Adsorption Test. The flotation shall not sink should the float encasement be punctured.

4. Each Flotation Encasement shall be constructed of a linear polyethylene resin containing ultraviolet (UV) inhibitors to prevent accelerated deterioration in this marine environment. The float encasement shall offer a balance of toughness, rigidity, environmental stress-crack resistance, and low temperature impact performance. Resin shall also be in compliance with FDA title 21. Resin shall be made of a food grade material that will not contaminate the waterways and is recyclable. Encasements shall be rotationally molded for seamless, one-piece construction and shall have a nominal minimum wall thickness of 0.15 inches (4 mm). Encasements shall be resistant to damage by animals, ice, bumps by watercraft, contact deterioration from petroleum products and suitable for marine use.

5. High Wave Float and Float Arm

Watson Lake is a large reservoir with high wave conditions, the circulation equipment shall be supplied with high wave flotation and heavy-duty float arm structures. Floats shall have a central pivot connection point at the base for reducing stress transfer caused by high wave contact with floats to the frame of the circulation equipment. Float arms shall be constructed of 1.25" (3.2 cm) square X 0.18" (0.5 cm) thick wall Type 316 Stainless Steel Tubing to endure frequent high wave conditions.

M. Anchoring

At the manufacturers recommendation, the circulation equipment shall be held in position by either (a) attachment to mooring blocks at the bottom of the reservoir, or (b) tethering the circulation equipment to shore.

N. Deep Water Mooring System

Watson Lake is a deep reservoir. The circulation equipment shall be supplied with a deep-water mooring system to prevent movement and rotation of the circulation equipment. The deep-water mooring system shall contain depth appropriate weight that is determined during Engineering review of the order, type 316 stainless steel anchor chain, and a type 316 stainless steel float swivel.

PART 3 – EXECUTION

3.01 PLACEMENT

A. The circulation equipment manufacturer shall provide Placement, Startup, and On-Site Water Testing Services to ensure (a) proper machine spatial placement in the reservoir, and (b) proper intake depth setting.

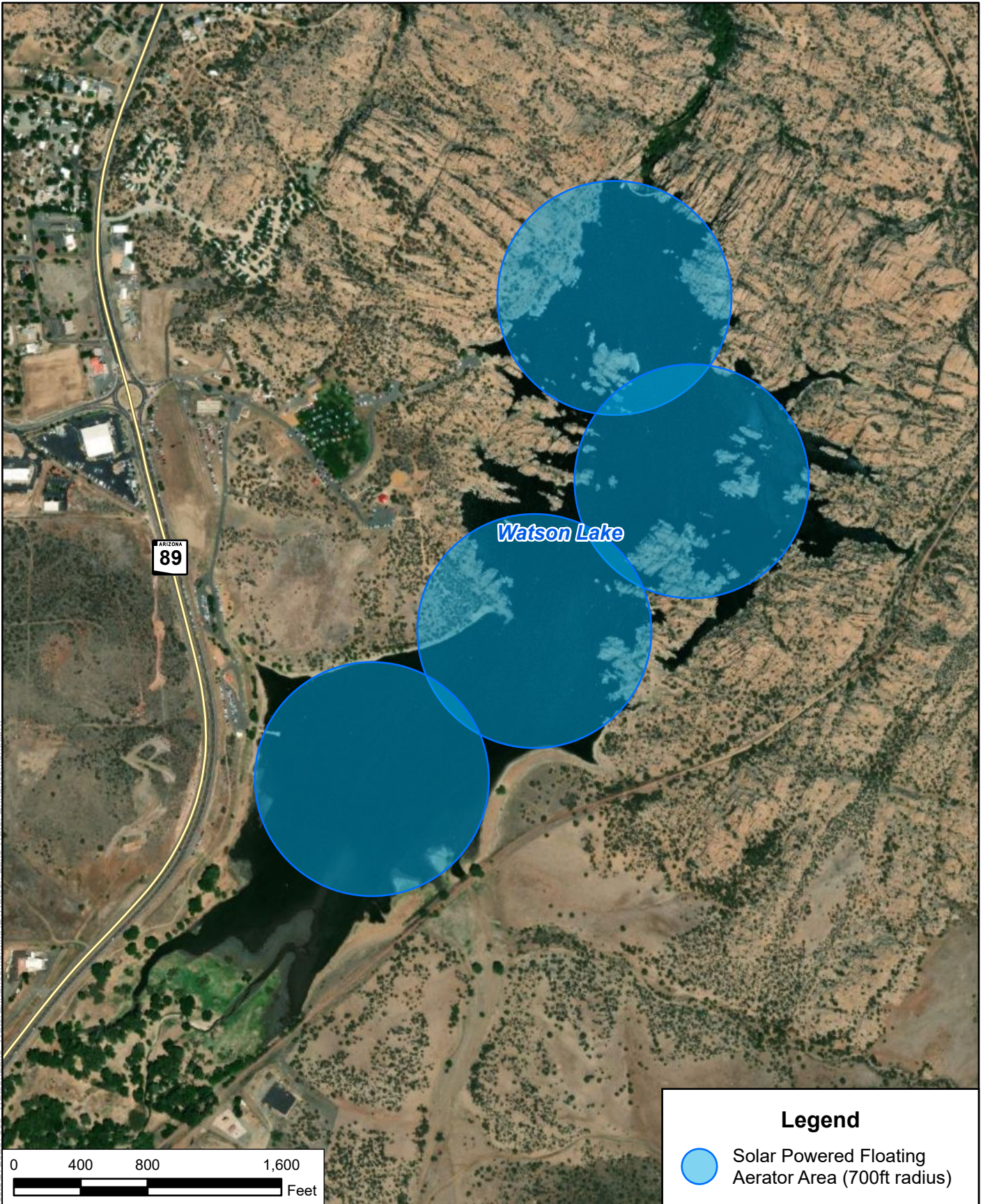
B. The field services shall be performed by full time factory employees experienced in the operation of this equipment, and who have completed safety trainings required for this type of work in compliance with OSHA regulations including (a) Working over Water, (b) Boating Safety, (c) Disinfecting Procedures, (d) Confined Space Entry, (e) Fall Protection, and (f) DOT Compliance.

C. Within 30 days following equipment placement, the manufacturer shall provide an installation report detailing as described in submittal section.


D. The circulation equipment manufacturer shall have the following support team available for full service if ever needed following the equipment placement.

1. A minimum of (10) x (2)-member factory crews.

2. A full customer service staff including engineers and science personnel that are trained for assistance in this application.



Legend

 Solar Powered Floating Aerator Area (700ft radius)

Job No.	3720237003
PM:	JM
Date:	3/14/2023
Scale:	1" = 800 feet



Watson Lake Water Enhancement
Watson Lake
Prescott, Arizona



Solar Powered Floating Aerator Area

Figure
1

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