

Date: April 11, 2022

Proposal Deadline: 5:00 p.m. MST, Friday, May 27, 2022
Denver Water Engineering Division
General Consultant (On-Call) Services Request for Proposals

REQUEST FOR PROPOSALS

Denver Water is soliciting firms who wish to be considered for Denver Water's General Consultant Services (On-Call) List to perform work on an as-needed basis. **All existing On-Call Consultant Agreements will expire in September 2022 and will not be renewed.** General Consultant Services (GCS) Agreements will be written for the firms in each discipline selected through this Request for Proposals (RFP) process. This RFP includes technical disciplines in **General Engineering Services, Appraisal Services, and Water Resource Strategy Consulting Services** identified as "GCS" for the purposes of this RFP.

SECTION 1: INTRODUCTION AND BACKGROUND

1.1 INTRODUCTION

Denver Water is seeking long-term agreements for General Consultant Services to provide professional services and assistance on an as-needed basis to support a variety of discipline areas. Contract(s) will be awarded for an initial three-year base period, with an option to extend for two (2) additional one-year periods. Denver Water has not set a maximum number of Task Orders to be awarded to any single firm but intends to distribute discipline-specific assignments among the selected firms.

1.2 REQUESTS FOR INFORMATION

This RFP contains the instructions governing the proposals to be submitted and the material to be included therein, mandatory requirements which must be met to be eligible for consideration, and other requirements to be met by each proposal.

Any requests for clarification and/or additional information regarding this RFP shall be submitted in writing via email to EngineeringNotification@denverwater.org. Such written requests must be received no later than **May 4, 2022**.

1.3 SUBMISSION OF PROPOSAL

Respondents are requested to submit:

- One (1) electronic copy of the **technical discipline proposal**, provided as a PDF, uploaded to the secure Dropbox folder found at <https://www.dropbox.com/request/LfTNPaxwIaANdvBdsjc>.

AND

- One (1) copy of the **price proposal**, utilizing Attachment 2 as the template, in a separate PDF file uploaded to the secure Dropbox folder at <https://www.dropbox.com/request/lqoWleImLdY2yBNBleo6>.

Submittal Instructions:

1. The proposals must be received no later than **5:00 p.m. MST, May 27, 2022, as uploaded files to the Dropbox folders listed above**. Responses must be in the format noted in Section 3.2. No hard copies or flash drive versions of proposals will be accepted. Denver Water reserves the right to disqualify any response submitted incorrectly.

2. Both the technical discipline and price proposals must contain the signature of a duly authorized officer or agent of the Respondent's company empowered with the right to contractually bind the Respondent.
3. The technical discipline proposal must be delivered in the form of a PDF and labeled with the name of the proposing firm.
4. Proposals become the property of Denver Water upon receipt by Denver Water. The content of proposals will be kept confidential until an award is made, after which the content will no longer be kept confidential except as described in Section 2.13. Price proposals will be considered confidential and not shared.
5. Proposals may be withdrawn or modified in writing prior to the proposal submission deadline. Proposals that are modified shall be uploaded and labeled as "Revised" prior to the proposal submission deadline.

SECTION 2: ADMINISTRATIVE REQUIREMENTS

2.1 OBJECTIVE OF REQUEST FOR PROPOSALS

The objective of this RFP is to provide sufficient information to enable qualified Respondents to submit written proposals for General Consultant Services. The RFP is not a contractual offer or commitment to purchase products or services.

All information included in any proposal must be legible. Corrections and erasures must be initialed. Each proposal shall be accompanied by a transmittal letter signed by an authorized representative of the Respondent. The contents of the proposal submitted by the successful Respondent of the RFP may become part of any contract awarded as a result of this solicitation.

2.2 ADDENDA TO THE REQUEST FOR PROPOSALS

If it becomes necessary to revise any part of the RFP, an addendum will be placed online at <https://www.denverwater.org/contractors/bid-and-contract-opportunities> prior to **May 16, 2022**. Respondents are responsible for checking online for addenda prior to submission of their proposal and must acknowledge receipt of addenda within their proposal.

2.3 ANSWERS TO WRITTEN QUESTIONS

Answers to written questions will be placed online at <https://www.denverwater.org/contractors/bid-and-contract-opportunities> by close of business on **May 16, 2022**. Respondents are responsible for checking online for answers to written questions. Denver Water will not send out a separate communication with the answers.

2.4 NON-MANDATORY PRE-PROPOSAL CONFERENCE

An online pre-proposal conference is scheduled for **April 29, 2022, at 9:00 a.m. MST**. The conference will be held via Zoom and the presentation will be made available afterward at <https://www.denverwater.org/contractors/bid-and-contract-opportunities>.

The pre-proposal conference Zoom meeting details are as follows:

- Meeting address: <https://denverwater.zoom.us/j/81012849716?pwd=bkdWU0hYbkNkWisxRlNrMVpmTXhtZz09>
- Meeting ID: 810 1284 9716
- Passcode: 520299

2.5 SCOPE OF TERMS AND CONDITIONS

The general terms and conditions listed in Attachment 1 – General Consultant Services Agreement shall govern any Agreements ensuing from this RFP. Respondents selected to provide on-call services should be prepared to accept the terms and conditions as set forth in the General Consultant Services Agreement. The authorized representative of the proposing firm will indicate agreeance to terms and conditions by signing the price proposal. Professional Liability Insurance requirements may be waived or modified at Denver Water's discretion.

2.6 AWARD OF CONTRACT

General Consultant Services price proposals may be negotiated with Respondents whose technical discipline proposal is determined to be most appropriate for Denver Water's needs and most advantageous to Denver Water, considering the factors based on the criteria described herein which are solely determined by Denver Water. Award of a General Consultant Services Agreement may be made without discussion

after proposals are received. Therefore, proposals should be submitted initially on the most favorable terms of qualifications, technical experience, and price. Denver Water reserves the right to reject any or all proposals. It is not Denver Water's intent to base selections solely on price, but to use the price proposal as the basis for future negotiations.

2.7 AGREEMENT

Denver Water does not guarantee that it will request any or all services covered by the General Consultant Services Agreement. Issuance of a General Consultant Services Agreement will not give rise to a claim by Respondent for entering into such Agreement including, but not limited to, claims for anticipated profits or compensation for overhead or other related costs.

Specific services under the General Consultant Services Agreement will be released by a Task Order as set forth in Exhibit A of the General Consultant Services Agreement (sample available at <https://www.denverwater.org/contractors/bid-and-contract-opportunities>). Denver Water will request services or assistance and the Respondent shall review its resources to verify that qualified individuals are available to satisfy Denver Water's request. If qualified individuals are available, Respondent will provide a written response via Task Order Attachments describing the approach to be taken for performing requested services, estimated cost, key team members, and the schedule for completion. If a mutual agreement is reached, Denver Water will issue a Task Order (which will include the Respondent's written response as an attachment) for execution by both parties and authorizing the Respondent to proceed with the services. Costs associated with developing the written response shall be the financial responsibility of the Respondent.

Award of a General Consultant Services Agreement does not establish an exclusive agreement with the Respondent. Denver Water reserves the right to obtain the same and/or additional services from other sources.

2.8 RESPONDENT RESPONSIBLE FOR PROPOSAL COSTS

Denver Water is not liable for any cost incurred by any Respondent associated with the preparation of a proposal or the negotiation of a General Consultant Services Agreement for services prior to the issuance of a General Consultant Services Agreement. Respondent is responsible for costs associated with responding to the RFP, including costs related to site visit(s) and estimate preparation(s) for work authorized under the General Consultant Services Agreement.

Respondents may be asked to present their proposals and/or to demonstrate ability to provide products or services to Denver Water's representatives at Denver Water offices. The Respondents shall bear the costs for such presentation(s).

2.9 ECONOMY OF PROPOSALS

Respondent must submit a complete and concise response to the RFP, which will be retained by Denver Water. Proposals should be prepared simply and economically while providing complete details of the Respondent's abilities to meet the requirements of this RFP.

2.10 PROPOSALS BINDING

Respondents are advised that proposals shall be binding upon the Respondent for sixty (60) days from the proposal due date. A Respondent may withdraw or modify their proposal by written request sent to EngineeringNotification@denverwater.org any time prior to the proposal due date. The written request must be signed in the same manner and by the same person who signed the proposal.

2.11 NOTIFICATION

Each Respondent submitting a proposal in response to this RFP will be notified as to acceptance or rejection of their proposal. Denver Water plans to issue such notices within forty-five (45) days of the proposal submittal date. Denver Water may delay this action if it is deemed to be in the best interest of Denver Water.

2.12 RIGHT TO REJECT PROPOSALS AND NEGOTIATION

Denver Water reserves the right to reject any and all proposals, to waive any formality in proposals received, to accept or reject any or all of the items in the proposal, and to negotiate any and all elements of the proposal if such action is deemed to be in Denver Water's best interest.

2.13 CONFIDENTIALITY

Respondents acknowledge that Denver Water may be required to disclose any or all documents submitted with a proposal, pursuant to the Colorado Open Records Act, C.R.S. § 24-72-200.1, et seq. Under C.R.S. § 24-72-204(3)(a)(IV), Denver Water may deny inspection of any confidential commercial or financial information furnished to Denver Water by an outside party. Therefore, a Respondent must clearly identify as confidential any documents submitted with its Response that the Respondent deems proprietary or confidential, to aid Denver Water in determining what should be disclosed in the event of a request for documents under the Colorado Open Records Act. Proposals submitted and terms and conditions specified in each Respondent's proposal shall remain the property of Denver Water.

2.14 PROJECT MANAGEMENT CERTIFICATION

Denver Water continues to place strong emphasis on project management training and certification. Project management expectations for professionals under General Engineering Services contracts include adherence to Denver Water's online Capital Project Procedures Manual, CAD Standards, Engineering Standards, and Capital Project Construction Standards.

Using this GCS solicitation, Denver Water will initiate requirements for project management training and certification. Note: Five (5) selection points for this solicitation will be added to the scores for firms whose discipline lead/Project Manager has a Project Management Professional (PMP) certification through the Project Management Institute (PMI).

Denver Water will require PMP certification for all discipline leads/Project Managers to be awarded Technical Design/Construction Management Task Orders or any Task Order Denver Water deems necessary the requirement of professional project management skills. Respondents shall note within their submitted Organization Chart all PMP certified employees who may be assigned as key staff on Denver Water Task Orders.

SECTION 3: PROPOSAL CONTENT AND SELECTION PROCESS

3.1 GENERAL SUBMITTAL REQUIREMENTS

The following submittal requirements must be satisfied for each section of this RFP.

Respondents can limit the number of technical disciplines for which they would like to be considered based on company and/or local office strength. Respondents will not be penalized for restricting submittals to true areas of technical strength. Proposals made in a superfluous manner where any or all technical sections submitted do not demonstrate discernable strength or potential value to Denver Water may be disregarded altogether. Denver Water will not consider teaming arrangements or subcontracting strategies. As an example, a firm that must routinely subcontract for structural discipline design services should not submit on that technical discipline area under the assumption that a subcontractor will provide the service.

3.2 PROPOSAL FORMAT

The proposal format shall be as follows:

All Sections. The page limit includes tables, figures, photographs, and other graphical representations, all of which must be included within the same contiguous section for a given technical discipline area. Page limits refer to limits of text (e.g., double-sided pages will be counted as two (2) pages).

Font Size. The font size for text pages shall be no smaller than 10 point. The overall proposal presentation must be legible. Illegible proposals will not be considered.

Cover Letter. The cover letter must be two (2) pages at maximum. Page size must be 8 1/2" x 11".

Indicate clearly on the first page which technical discipline area(s) your firm is proposing on. For example:

Engineering Disciplines:

- Business Consulting
- Structural Engineering Services
- Construction Management Disciplines:
 - Corrosion, Cathodic Protection, and Protective Coatings
 - Dam Construction

Water Resource Strategy Disciplines:

- Water Resources – Planning, Supply, Analysis, and Water Rights

Proposal Presentation. Proposals must utilize PDF bookmarks. Individual section bookmarks must be clearly labeled and correspond to the Proposal's Table of Contents to facilitate efficient review.

Summary Pages. Summary pages must be three (3) pages at maximum. Page size must be 8 1/2" x 11". The summary pages should provide an at-a-glance indication of the technical discipline areas addressed in the RFP, as well as a one (1) page Organization Chart summarizing program management, project management, and staff for each technical area being proposed on. Other summary information can include qualifications and experience, projects with Denver Water, and other unique or other useful information.

Detailed Company Background and Demonstrated Abilities. This document must be five (5) pages at maximum. Page size must be 8 1/2" x 11". At a minimum, this document must provide information relative to the Respondent's firm, including firm name(s), business address, telephone number, state in which the firm was organized or incorporated, type of ownership, name and location of parent company and subsidiaries, if any, and indication of whether the firm is licensed to do business in the State of Colorado. Also, information shall be provided on demonstrated abilities to respond rapidly to project requests and to

meet project staffing needs, schedules, and budgets. The document shall identify if the firm is designated as SBE, MBE, WBE, or any combination of such designations (see Section 3.6).

Technical Discipline Sections. Any subsequent sections for each technical discipline area for which the Respondent would like to be considered must be three (3) pages at maximum. Page size must be 8 1/2" x 11". One of the three (3) pages in each individual section can be in an 11" x 17". Submittal detail for the Technical Discipline Sections is provided in Section 3.3.

Resumes. Brief personnel sketches or summaries can be included in the Technical Discipline Sections at the Respondent's discretion, within the page limits as stated. Resumes should also be included in a separate, bookmarked section following the Technical Discipline Sections, and must be limited to two pages.

Terms and Conditions. The general terms and conditions listed in the General Consultant Services Agreement shall govern any Agreements ensuing from this RFP. Respondents selected to provide on-call services should be prepared to accept the terms and conditions as set forth in the General Consultant Services Agreement. Professional Liability Insurance requirements may be waived or modified at Denver Water's discretion.

Additional Information. Denver Water anticipates a large number of submittals for this RFP. Therefore, any additional information attached to the submittal outside of the described general submittal requirements will cause the firm's Proposal Organization Score to be reduced. Do not supplement your page-limited proposal with an appendix of additional information.

3.3 TECHNICAL DISCIPLINE SECTION DETAIL

Each Respondent's Technical Discipline Section(s) shall include the information listed below. (Note: Whenever possible, information shall be presented in a tabular form rather than a narrative form.)

Firm and Project Experience. Relevant project experience in the technical discipline area shall be specified, including, but not limited to, a list of at least five (5) relevant projects that have been completed by the firm during the past five (5) years. The suggested format for listing the relevant experience is to include an 11" x 17" page containing a table with the following headings across the top: **Project/Client/Location, Reference, Key Team Members, Completion, Size/Capacity, General Work Performed.** Projects are to be listed down the page with the appropriate details listed under each heading. These relevant projects are to be tied to the Respondent's proposed team rather than projects completed by the firm in general. Denver Water intends to contact some or all client references.

Appraiser/Firm Experience (for Appraisal Technical Discipline Area only). Relevant experience in the discipline area shall be listed, including, but not limited to, a list of at least five (5) relevant appraisals that have been completed by the firm during the past two (2) years. Two (2) previously completed appraisals for eminent domain shall be provided to serve as examples of the Respondent's work product. A description of experience for each discipline being proposed on shall be provided. Sample appraisal(s) may be redacted or marked confidential to be exempt from a Colorado Open Records Act request as defined in Section 2.13 – Confidentiality.

Staff Location. Location(s) of the office(s) where the project services will be performed shall be listed, including the main project office location where the project team (potential Project Manager as well as technical and support staff) will be based.

Proposed Team Qualifications. Qualifications and experience of key staff in the planning and design of relevant projects, as applicable, shall be described, including the following:

- Proposed Project Manager(s) for a particular discipline (Denver Water understands availability and assignments may change due to project assignment timing and consultant workload)
- Proposed Construction Project Manager(s) and Construction Project Inspector(s) for a particular discipline (Denver Water understands availability and assignments may change due to project assignment timing and consultant workload)

- Discipline-specific technical staff
- Quality Assurance and Quality Control (structure and summary approach described for each)
- Other technical staff that may be in a support role
- CAD, GIS, and/or Mapping capabilities, as applicable (all design-related work products will be required to meet Denver Water CAD standards)

- Proposed Appraiser(s) must possess a General Appraiser License and must demonstrate qualifications and experience in submitted resumes and example appraisals/testimony.

3.4 TECHNICAL DISCIPLINE AREAS

Denver Water anticipates awarding contracts under the technical discipline areas listed below. The final number of contracts awarded under each technical discipline area will be at Denver Water's discretion.

General Engineering Services Task Orders for services provided under this General Consultant Services Agreement shall follow procedures and workflows described in the Capital Projects Procedures Manual available at <https://www.denverwater.org/contractors/construction-information/design-standards/capital-projects-procedures-manual>.

GENERAL ENGINEERING SERVICES DISCIPLINE AREAS

1. Aerial Mapping

Standard aerial mapping services including digital imagery, orthophotography, and aerial mosaics for Denver Water facilities and watersheds.

2. Architectural Services

Architectural services directly applicable to municipal and waterworks structures, including new building design, remodeling, and construction. Includes code reviews and compliance, permitting, and updates to design and construction standards.

3. Business Consulting

Business consulting work related to electronic Operations and Maintenance manuals and asset management applications, or other business consulting applications.

4. Cathodic Protection

Cathodic protection services for impressed current and/or galvanic systems for pipelines and other facilities. Services shall include system troubleshooting, design testing, close interval survey, ACVG/DCVG, and cathodic protection design including drawings and specifications. Knowledge of protective coatings and linings is desirable. Cathodic Protection Discipline lead should be an Association for Materials Protection and Performance (AMPP) certified Cathodic Protection Technologist (CP3) or higher. Firms and proposed engineers shall be familiar with and follow Denver Water's Capital Projects Construction Standards (CPCS), Capital Projects Procedures Manual (CPPM), federal, state, and local code requirements, and industry standards.

5. Dam Engineering Services

Raw water development and engineering services related to dams including dam safety inspections and hydrologic, hydraulic, geotechnical, geologic, structural, and mechanical services. Specific relevant experience with the Federal Energy Regulatory Commission and Colorado State Engineer's Office is preferred. Potential Failure Mode Analyses (PFMA) and Risk-Informed Decision Making (RIDM) or similar risk experience and facilitation should be highlighted. Underwater inspection services utilizing remotely operated vehicles will also be considered in this discipline to inspect underwater features (e.g., dam face, gates, valves, trash racks, hydraulic lines). In-person physical dive inspection services will not be considered. Companies with unmanned aerial system mapping

inspection capabilities are encouraged to submit under the Surveying and Geomatics Services Discipline.

6. Drainage and Floodplain Services

Civil drainage design and permitting, erosion and sediment control design and permitting, and services related to floodplain CLOMR and LOMR.

7. Drafting Services

Drafting assistance associated with the development of contract documents per Denver Water's design, drafting, and CAD standards.

8. EI&C – Electrical, Instrumentation, and Control

Engineering design services and services during construction shall be performed by a Professional Electrical Engineer registered in the State of Colorado. Services shall include, but not be limited to: power distribution and control systems through 25,000 volts, power generation, SCADA, instrumentation and control systems, electrical system analysis, programming of various devices and controllers, grounding and lightning protection, communications, fire alarm and security systems, construction means and methods, field testing, commissioning, inspections, and troubleshooting at water treatment plants, pump stations, dams and reservoirs, vaults, hydroelectric powerplants, and commercial and residential buildings. Firms and proposed Professional Electrical Engineers shall be familiar with and follow Denver Water's Capital Projects Construction Standards (CPCS), Capital Projects Procedures Manual (CPPM), federal, state, and local code requirements, and industry standards.

9. Environmental Acoustics

Conduct in-situ noise measurements, regulatory compliance assessments, noise level predictions, permitting, and noise mitigation recommendations.

10. Estimating Services

Construction cost estimates (opinions of probable construction costs) for Capital Projects at varying levels of design completion. Project levels of design completion will vary from conceptual levels to 30%, 60%, 90%, and bid-ready Contract Documents per Denver Water's Capital Project Procedures Manual. Capital Projects include pipelines, pump stations, structures, water treatment, civil infrastructure, electrical and mechanical disciplines, and other facilities related to the water system.

11. Geotechnical Services

Geotechnical engineering services including conducting exploratory test holes, soil sampling and analysis, and design recommendations. Findings of such services are to be formalized into geotechnical investigation reports and/or geotechnical recommendation memorandums. Geotechnical recommendations will cover the design and construction of buildings, wet wells, pump stations, reservoirs, tunnels, trenchless pipelines, foundation tie-back systems, rock stabilization, rock scaling, and/or rock bolting projects. Expertise in the analysis of soils and groundwater contamination will be required, including determination of requirements for Colorado Department of Health and Environment (CDPHE) dewatering permits. Companies with earthfill dam experience are encouraged to submit under the Dam Engineering Services Discipline.

12. Geotechnical Services for Trenchless Tunneling

Geotechnical engineering services associated with trenchless pipeline installation, including conducting exploratory test holes and soil sampling and analysis, formalized into Geotechnical Data Reports (GDR). Following GDR generation, the geotechnical engineer will be asked to build a Risk Assessment Memorandum (RAM) and risk registry to define potential risks. The GDR and RAM will be used to develop a Geotechnical Baseline Report (GBR) that creates the basis for the design of tunneling methods based on soils conditions and available technologies. In addition to local in-house geotechnical engineers with extensive experience in the Denver Water service area, the submitted resumes for this technical discipline area shall also include a minimum of two (2) (no maximum limit) third-party licensed Geotechnical Engineers with both design experience and

continued litigation experience to act as independent peer reviewers of GBRs, as deemed necessary for particular projects.

13. Hazardous Material Services (Hazmat)

Environmental characterization and remediation during the design and/or construction phase of the Capital Project including, but not limited to: site characterization and assessment, groundwater sampling and analysis, regulatory compliance assessment, permitting, recommendations and treatment design, design review, oversight during construction, inspection, design, proposal, document and submittal reviews, and cost estimating of mitigation measures. This discipline will most often be used as it relates to groundwater, but other types of remediation services may be needed. Designs should follow Denver Water's Capital Projects Construction Standards (CPCS), along with federal, state, and local requirements.

14. Heating, Ventilating, and Air Conditioning (HVAC), Plumbing, and Fire Protection Systems

Mechanical engineering design services for water treatment facilities, pumping facilities, office buildings, and shop buildings. Services include HVAC load calculations, energy studies, design, field testing, and troubleshooting. Fire protection services for Denver Water facilities include field inspection and testing, design, and life-safety code compliance.

15. Hydraulics

Treated water system analysis, including operational studies, distribution system hydraulic modeling, surge analysis, sizing of new facilities, service studies, distribution system measurements, and asset management.

16. Mechanical Systems

Mechanical engineering design services for reservoir outlet works, control valve vaults, fuel stations, and hydraulic power units, including specialized valve design services, valve actuation, and unleaded/diesel fuel storage and dispensing systems. Mechanical engineering design services for new and existing pump stations, including hydraulic analysis, alternatives analysis, pumping system design and selection, valve and piping design, mechanical equipment installation, and mechanical support services.

17. Structural Engineering Services

Structural engineering services for structural improvements associated with water treatment, conveyance, transmission, and other support facilities and repairs using state-of-the-art techniques. Companies with structural services related specifically to dams are encouraged to submit under the Dam Engineering Services Discipline.

18. Surveying and Geomatics Services

Surveying and geomatics services for the design, construction, and as-builts of water transmission lines and other water-related facilities, including underground utility locating and mapping for plan and profile design of proposed construction corridors; Professional Land Surveying services in adherence with state statute; and geomatics services such as 3D laser scanning, modeling, point cloud processing and registration, unmanned aerial system (UAS) mapping, LiDAR mapping, traditional aerial mapping/photogrammetry, and other mapping and data analytics-based technologies. The prescribed feature code library is to be adhered to when collecting data and provide collected data on Denver Water Grid coordinates. Companies providing UAS services specializing in dam inspection are encouraged to submit under this discipline.

19. Water Transmission and Distribution Systems

Raw and finished water transmission and distribution pipeline systems services, including management of flow metering systems, control valve vaults, pressure regulating stations, and other relevant structures.

20. Water Treatment Processes

Services including upgrades or improvement projects for existing and/or new potable and recycled water treatment facilities; planning studies surrounding processes such as water treatment and reuse

plants; water quality evaluations; water quality modeling; technical advising for treatment process evaluation or design; pilot testing design, operation, data analysis, and reporting for process optimization and regulatory deliverables.

21. Construction Management Services

Respondents are to demonstrate within their proposal their qualifications and experience for Construction Management and/or Construction Inspection Services with Denver Water or with clients similar to Denver Water.

The eight (8) discipline areas listed below categorize specific areas within Construction Management Services. Denver Water will match project staffing needs with firms that show expertise in each discipline area when soliciting Construction Management Services. For Denver Water to determine which firm has which type of expertise and applicable staff available, the following guidelines shall be adhered to in the proposal:

- The Respondent shall submit only one (1) proposal for Construction Management Services.
- The proposal shall state which of the below listed discipline areas the Respondent has expertise and experience in.
- The proposal shall be tailored to the stated discipline area(s) by demonstrating specific project experience and staff expertise.
- The proposal may be written specific to one (1) of the eight (8) disciplines, e.g., Construction Management Services (C. Dam Construction).
- The proposal may instead include a combination of qualifications/project experience for two (2) or more areas, e.g., Construction Management Services (B. Corrosion, Cathodic Protection, and Protective Coatings and C. Dam Construction).

The Construction Management Services Proposal Cover Letter shall state the selected discipline area(s) in bold font. If a Respondent is proposing on more than one (1) discipline area, the Cover Letter's two (2) page limit will be waived, and specific tables may be added that demonstrate expertise for each discipline area.

Denver Water will evaluate proposals within each individual discipline at a time. Consequently, submitting on a single discipline area rather than a combination of discipline areas will not factor into the selection and approval process. Denver Water encourages MBE, WBE, and SBE participation (see Section 3.6).

Construction Management Services Discipline Areas

A. Construction Administration Functions, Construction Schedule Analysis, Project Controls Expert, Design Drawing Coordination Check, and Constructability Review

Creation, distribution, and maintenance of construction administration paperwork and tracking. Demonstrated experience with management of utility construction projects paperwork management including, but not limited to: filing systems, submittal management and tracking, creation and management of tracking spreadsheets, meeting agenda and minutes creation and publishing, and knowledge of fundamental contract paperwork terms. Experience with electronic document management systems, such as EADOC, Procore, and Aconex.

Demonstrated expertise and experience in analyzing cost-loaded construction schedules and change impacts, and third-party expertise on construction claims.

Demonstrated expertise and experience in developing, implementing, and monitoring project controls for very large projects and/or programs using scheduling and project management software. Specifically identify firm's expertise in Primavera and other software.

Demonstrated expertise and experience reviewing construction documents and specifically with the review of design drawings for both coordination checks and constructability for all types of

water or wastewater utility projects (pipelines, treatment plants, pump stations, civil, etc.). Personnel must show project experience in both design and construction, along with their experience formally reviewing design drawings, including coordination checks, quality assurance, and constructability reviews.

B. Corrosion, Cathodic Protection, and Protective Coatings

Cathodic protection (CP) and protective coatings projects related to impressed current and galvanic CP, as well as protective external and internal coatings quality control. Demonstrated experience related to the commissioning of CP systems. Project team must include an Association for Materials Protection and Performance (AMPP) certified Cathodic Protection Technician (CP2) or higher. AMPP Coatings Inspector certifications are also preferred among project team members.

C. Dam Construction

Raw water infrastructure projects related to construction projects implementing new or rehabilitation work on medium to large dams.

Demonstrated experience related to construction of spillways, outlets, and concrete and embankment structures.

D. Electrical, Instrumentation, Controls, and Hydroelectric Power

Demonstrated strong knowledge of electrical power, instrumentation, control communications, SCADA, fire alarm and security systems. Familiarity with federal, state, and local regulations and codes pertaining to heavy industrial projects, power generation facilities, and reservoir outlet works projects. Desired personnel requirements include: licensed master electrician; licensed journeyman electrician; four-year college degree or technical institute degree; minimum of seven (7) years experience in installation, operation and maintenance (O&M), or design of industrial electrical systems; BSEE; familiarity with NFPA, NEMA, ISA, NETA, NECA, IEC, and IEEE Standards; and equipment submittal and O&M manual review and verification experience.

Demonstrated experience with construction and refurbishment activities related to hydroelectric generating equipment. Must have knowledge of millwright procedures used in alignment and machining of rotating equipment, and experience with start-up, performance testing, and commissioning of hydroelectric power equipment.

E. General Building, Heating, Ventilating, and Air Conditioning (HVAC), Plumbing Systems, and Specialty Inspection

Construction related to facilities as directly applicable to municipal and waterworks structures, including vertical, above-ground, and tenant finish structures, and roofing installations. Demonstrated experience with contract document interpretation by AIA, EJCDC, and CSI Standards, building codes, and architectural building systems related to all types of new and remodeling construction projects.

HVAC and plumbing systems related to water treatment, pumping, and storage facilities, office buildings, shop buildings, and utility vaults. Demonstrated experience with SMACNA and ASHRAE Standards for HVAC ductwork and systems design. Must have experience with installation debugging and start-up of HVAC systems and electronic systems (Andover Siemens Controls). Must have experience with construction of industrial/commercial plumbing systems and knowledge of the International Plumbing Code (IPC).

Building code required inspections and certifications including, but not limited to, welding, high-strength bolting, and masonry. Demonstrated experience, certifications, and registrations as needed to provide the inspections and written certification as required by local code authorities.

F. Water and Wastewater Treatment Plants and Water Transmission and Distribution

Existing and/or new potable and recycled water treatment facility improvements and upgrades. Specific demonstrated expertise and experience with treatment plant processes, including but

not limited to: rapid mix and flow controls; multimedia filters; biological aerated filters; flocculation and sedimentation; chlorine disinfection systems; chemical storage and feed systems; safety systems; backwash wastes; waste impoundments; wash water recovery systems; water treatment plant residuals, including thickening, dewatering, and disposal; pumping and pump systems; and yard piping and valving; as well as the structural components and associated buildings. Demonstrated experience with contract document interpretation (EJCDC and CSI Standards), AWWA, ASTM, and other industry standards. Installation practices and codes related to systems are noted.

Raw, potable, and recycled water transmission (24-inch and larger diameters) and distribution pipeline systems (20-inch and smaller diameters), pumping stations, and storage reservoirs, including flow metering systems and control valve vaults, pressure regulating stations and structures. Demonstrated experience with contract document interpretation (EJCDC and CSI Standards); AWWA, ASTM, and other industry standards; and installation practices regarding thin wall, large diameter steel pipe, ductile iron, and PVC pipe.

G. Weld Inspection and Non-Destructive Testing

Certified welding inspections and testing by Certified Welding Inspectors for quality acceptance and to meet Special Inspector requirements on Capital Construction Projects. Testing capabilities shall include mag particle, dye penetrant, ultrasonic, industrial radiography, and phased array methods. Demonstrated experience with pipe weld testing and relevant qualifications.

H. Scanning and Forensic Testing of In-Place Concrete

All or some of the following capabilities: Ground Penetrating Radar for scanning of concrete, concrete coring and testing, and petrographic analysis of concrete cores. Demonstrated adequate experience of properly qualified individuals and lab in performing methods listed above per relevant ASTM and other standards.

APPRAISAL SERVICES DISCIPLINE AREAS

The Property and Distribution Section of the Engineering Department is seeking licensed appraisers to provide professional appraisal services and/or testimony for eminent domain proceedings on an as-needed basis. Denver Water anticipates awarding appraisal services contracts in the following three (3) technical discipline areas:

1. Restricted Use Appraisal

Provide Restricted Use appraisal reports and/or third-party appraisals.

2. Eminent Domain

Review and creation of Eminent Domain appraisal reports and/or provide testimony in Eminent Domain proceedings and/or third-party appraisal review.

3. Conservation

Creation of Natural Resources or Conservation appraisal reports and/or third-party appraisal review.

WATER RESOURCE STRATEGY CONSULTING SERVICES DISCIPLINE AREAS

Denver Water's Water Resource Strategy Division is responsible for identifying future water and facility needs and developing and protecting options to meet those needs. The Water Resource Strategy Division directs the operation of the water collection system, acquires and protects water rights, identifies new supply options, manages watershed health, provides regulatory consultation and permitting for infrastructure projects, and provides technical evaluation and support of the conservation programs.

NOTE: CONFLICT OF INTEREST STATEMENT – Respondents proposing on any of the Water Resource Strategy Discipline Areas listed below are required to disclose any and all potential or perceived conflict(s) of interest to Denver Water activities in the South Platte or Colorado River Basins. At the time of award of a Task Order Agreement, conflict of interest information may be

considered in selecting a consultant for that individual task. The Conflict of Interest Statement shall be limited to one (1) page and may be included as an additional page at the beginning of the first Water Resource Strategy Discipline Area proposed.

The Water Resource Strategy Division is seeking on-call professional services in the following technical discipline areas:

1. Customer Planning

Planning, monitoring, and evaluation of conservation and efficiency programs and appropriate demand management techniques, including landscape management. Preparation of demand forecasts, demographic projections and raw and treated water consumption forecasts. Understanding of customer attitudes and behaviors through surveys, focus groups, and customer analytics. Support with data analysis, visualization, and automation to streamline existing data management practices. GIS support to analyze changes in service area, including landscape classification.

2. Environmental and Watershed Planning

Support of ongoing and future permitting and regulatory activities at the local, state, and federal level, including, but not limited to: wetland delineation, functional assessment and mitigation design; special-status plant and animal species and migratory bird surveys; cultural and historical resources evaluation; stream and aquatic habitat restoration; aquatic resources survey and assessment; and water quality analysis. Tasks or activities to support permitting or consultation may be required under the following: NEPA; CWA Section 404 and/or Section 10; ESA Section 7; NHPA Section 106; USFS Special Use permitting; CDPHE Section 401; MBTA/BGEPA compliance; County 1041 permitting; and FERC hydropower licensing. Regulatory and permitting services, including: consultation with regulators, stakeholders, and the public; field survey and reporting; environmental management system support; and permit development and other environmental permit compliance services.

In addition, support of watershed planning, including: water quality data analysis, reporting, and visualization; project development, implementation, and as-needed programmatic updates to watershed planning program and priorities; hillslope and stream restoration project design, implementation, maintenance, and monitoring with the specific goal of mitigating sediment transport downstream; post-fire analysis, project design, implementation, and effectiveness monitoring; and other habitat and forest treatment planning.

3. Water Resources – Planning, Supply, Analysis, and Water Rights

Technical support related to water resources planning, including areas of raw water collection, supply planning, hydrologic analysis, and water rights engineering. Tasks or projects may include: data collection and analysis; equipment installation and calibration; computer application support and programming, including database, GIS, decision support systems (including PACSM and others); surface water and groundwater modeling, including yield and reliability analysis; water supply forecasting; water quality investigations; reconnaissance-level supply project development and cost estimating; climate studies; agricultural economics and alternative transfer methods; water court application review and/or development for both surface and groundwater rights; historical consumptive use analysis; water rights research; exchange potential analysis and review; and water rights market analyses, including sale, purchase, or leasing.

3.5 PRICE PROPOSAL

In a separate PDF file from the technical discipline proposal, provide Respondent firm's billing structure, including labor rate structures by labor categories and other non-labor rates utilizing the Attachment 2 – Price Proposal – Standard Rate Sheet template. The Price Proposal template is available as an Excel file at <https://www.denverwater.org/contractors/bid-and-contract-opportunities>. This template includes a table showing the Respondent's proposal rates for each year of the three-year base contract, depicting a 3.0% escalation rate per year on labor rates. There will be a maximum hourly rate of \$250 for work of a highly specialized nature unless approved by Denver Water. The rate table must provide information on all

proposed fees, and will be incorporated into the selected firm’s General Consultant Services Agreement as Exhibit B. Note that Denver Water will only allow other direct costs to be billed at cost and will not allow a markup on subconsultants. No project development costs or similar hourly cost recovery charges will be allowed, as all of these costs are to be included in the hourly billing rates.

Denver Water intends to open only the price proposals of the top ranked firms. Denver Water will destroy unopened price proposals upon completion of successful negotiations with the top ranked firms. For those firms, information provided in the price proposal will serve as the basis for negotiations but not for initial selection.

3.6 SELECTION PROCESS

Professional firms will be evaluated on the criteria listed below. The selection team will review the firm’s approach to ascertain Respondent’s relative experience, project staff, past performance on Denver Water assignments and/or reference client assignments, and client references. Denver Water recognizes the desirability, need, and importance to the City and County of Denver of encouraging the development of Small Business Enterprise (SBE), Minority Business Enterprise (MBE), and Women Business Enterprise (WBE). Respondents with these designations are encouraged to submit proposals. Having any of these designations does not provide preference in selection. A short-list of the most qualified firms will be entered into the final selection matrix from which Denver Water will award future projects.

Criteria	Max. Points (105 pts)
Firm’s experience record on similar projects, including past performance with Denver Water; the firm’s ability to develop meaningful cost-loaded schedules and adhere to schedules and budgets	35
Qualifications and relevant project experience of key personnel in the technical discipline area	35
Capability of local staff to complete assignments	15
Proposal organization per RFP, clarity, conciseness, and thoroughness	15
Certified Professional Project Manager status for project personnel*	5*

*Potential bonus points to be added in technical and construction management discipline areas where appropriate.

3.7 PROJECT SCHEDULE

The selection and project schedule is tentatively set as follows:

Request for Proposals Advertisement Date	April 11, 2022
Pre-Proposal Meeting	April 29, 2022 (9:00 a.m. MST)
Written Questions Due	May 4, 2022
Responses to Questions Available	May 16, 2022 (anticipated)
Proposals Due	May 27, 2022 (5:00 p.m. MST)
Contracts Awarded	Within 90 days of submittal