



**Request for Proposal
RFP-4524-18-DH**

**Professional Services for
Water Supply Modeling for
City of Grand Junction**

RESPONSES DUE:

May 11, 2018 prior to 3:30 PM MST

Accepting Electronic Responses Only

**Responses Only Submitted Through the Rocky Mountain E-Purchasing System
(RMEPS)**

<https://www.rockymountainbidsystem.com/default.asp>

(Purchasing Representative does not have access or control of the vendor side of RMEPS. If website or other problems arise during response submission, vendor **MUST** contact RMEPS to resolve issue prior to the response deadline. 800-835-4603)

PURCHASING REPRESENTATIVE:

Duane Hoff, Senior Buyer

duaneh@gjcity.org

(970) 244-1545

This solicitation has been developed specifically for a Request for Proposal intended to solicit competitive responses for this solicitation, and may not be the same as previous City of Grand Junction solicitations. All offerors are urged to thoroughly review this solicitation prior to submitting. Submittal by **FAX, EMAIL or HARD COPY IS NOT ACCEPTABLE** for this solicitation.

REQUEST FOR PROPOSAL

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REQUEST FOR PROPOSAL

SECTION 1.0: ADMINISTRATIVE INFORMATION & CONDITIONS FOR SUBMITTAL

- 1.1 **Issuing Office:** This Request for Proposal (RFP) is issued by the City of Grand Junction. All contact regarding this RFP is directed to:

RFP QUESTIONS:

Duane Hoff, Senior Buyer

duaneh@gjcity.org

- 1.2 **Purpose:** The purpose of this RFP is to obtain proposals from qualified professional firms to Water Supply Modeling for the City of Grand Junction's Water Services Division.
- 1.3 **The Owner:** The Owner is the City of Grand Junction and is referred to throughout this Solicitation. The term Owner means the Owner or his authorized representative.
- 1.4 **Compliance:** All participating Offerors, by their signature hereunder, shall agree to comply with all conditions, requirements, and instructions of this RFP as stated or implied herein. Should the Owner omit anything from this packet which is necessary to the clear understanding of the requirements, or should it appear that various instructions are in conflict, the Offeror(s) shall secure instructions from the Purchasing Division prior to the date and time of the submittal deadline shown in this RFP.
- 1.5 **Submission:** Please refer to section 5.0 for what is to be included. ***Each proposal shall be submitted in electronic format only, and only through the Rocky Mountain E-Purchasing website (<https://www.rockymountainbidsystem.com/default.asp>).*** ***This site offers both "free" and "paying" registration options that allow for full access of the Owner's documents and for electronic submission of proposals. (Note: "free" registration may take up to 24 hours to process. Please Plan accordingly.)*** Please view our "Electronic Vendor Registration Guide" at <http://www.gjcity.org/business-and-economic-development/bids/> for details. For proper comparison and evaluation, the City requests that proposals be formatted as directed in Section 5.0 "Preparation and Submittal of Proposals." Submittals received that fail to follow this format may be ruled non-responsive. (Purchasing Representative does not have access or control of the vendor side of RMEPS. If website or other problems arise during response submission, vendor **MUST** contact RMEPS to resolve issue prior to the response deadline. **800-835-4603**).
- 1.6 **Altering Proposals:** Any alterations made prior to opening date and time must be initialed by the signer of the proposal, guaranteeing authenticity. Proposals cannot be altered or amended after submission deadline.
- 1.7 **Withdrawal of Proposal:** A proposal must be firm and valid for award and may not be withdrawn or canceled by the Offeror for sixty (60) days following the submittal deadline date, and only prior to award. The Offeror so agrees upon submittal of their proposal. After award this statement is not applicable.

- 1.8 Acceptance of Proposal Content:** The contents of the proposal of the successful Offeror shall become contractual obligations if acquisition action ensues. Failure of the successful Offeror to accept these obligations in a contract shall result in cancellation of the award and such vendor shall be removed from future solicitations.
- 1.9 Addenda:** All questions shall be submitted in writing to the appropriate person as shown in Section 1.1. Any interpretations, corrections and changes to this RFP or extensions to the opening/receipt date shall be made by a written Addendum to the RFP by the City Purchasing Division. Sole authority to authorize addenda shall be vested in the City of Grand Junction Purchasing Representative. Addenda will be issued electronically through the Rocky Mountain E-Purchasing website at www.rockymountainbidsystem.com. Offerors shall acknowledge receipt of all addenda in their proposal.
- 1.10 Exceptions and Substitutions:** All proposals meeting the intent of this RFP shall be considered for award. Offerors taking exception to the specifications shall do so at their own risk. The Owner reserves the right to accept or reject any or all substitutions or alternatives. When offering substitutions and/or alternatives, Offeror must state these exceptions in the section pertaining to that area. Exception/substitution, if accepted, must meet or exceed the stated intent and/or specifications. The absence of such a list shall indicate that the Offeror has not taken exceptions, and if awarded a contract, shall hold the Offeror responsible to perform in strict accordance with the specifications or scope of work contained herein.
- 1.11 Confidential Material:** All materials submitted in response to this RFP shall ultimately become public record and shall be subject to inspection after contract award. **“Proprietary or Confidential Information”** is defined as any information that is not generally known to competitors and which provides a competitive advantage. Unrestricted disclosure of proprietary information places it in the public domain. Only submittal information clearly identified with the words **“Confidential Disclosure”** and uploaded as a separate document shall establish a confidential, proprietary relationship. Any material to be treated as confidential or proprietary in nature must include a justification for the request. The request shall be reviewed and either approved or denied by the Owner. If denied, the proposer shall have the opportunity to withdraw its entire proposal, or to remove the confidential or proprietary restrictions. Neither cost nor pricing information nor the total proposal shall be considered confidential or proprietary.
- 1.12 Response Material Ownership:** All proposals become the property of the Owner upon receipt and shall only be returned to the proposer at the Owner’s option. Selection or rejection of the proposal shall not affect this right. The Owner shall have the right to use all ideas or adaptations of the ideas contained in any proposal received in response to this RFP, subject to limitations outlined in the entitled **“Confidential Material”**. Disqualification of a proposal does not eliminate this right.
- 1.13 Minimal Standards for Responsible Prospective Offerors:** A prospective Offeror must affirmably demonstrate their responsibility. A prospective Offeror must meet the following requirements.
- Have adequate financial resources, or the ability to obtain such resources as required.

- Be able to comply with the required or proposed completion schedule.
- Have a satisfactory record of performance.
- Have a satisfactory record of integrity and ethics.
- Be otherwise qualified and eligible to receive an award and enter into a contract with the Owner.

1.14 Open Records: Proposals shall be received and publicly acknowledged at the location, date, and time stated herein. Offerors, their representatives and interested persons may be present. Proposals shall be received and acknowledged only so as to avoid disclosure of process. However, all proposals shall be open for public inspection after the contract is awarded. Trade secrets and confidential information contained in the proposal so identified by offer as such shall be treated as confidential by the Owner to the extent allowable in the Open Records Act.

1.15 Sales Tax: The Owner is, by statute, exempt from the State Sales Tax and Federal Excise Tax; therefore, all fees shall not include taxes.

1.16 Public Opening: Proposals shall be opened in the City Hall Auditorium, 250 North 5th Street, Grand Junction, CO, 81501, immediately following the proposal deadline. Offerors, their representatives and interested persons may be present. Only the names and locations on the proposing firms will be disclosed.

SECTION 2.0: GENERAL CONTRACT TERMS AND CONDITIONS

2.1. Acceptance of RFP Terms: A proposal submitted in response to this RFP shall constitute a binding offer. Acknowledgment of this condition shall be indicated on the Letter of Interest or Cover Letter by the autographic signature of the Offeror or an officer of the Offeror legally authorized to execute contractual obligations. A submission in response to the RFP acknowledges acceptance by the Offeror of all terms and conditions including compensation, as set forth herein. An Offeror shall identify clearly and thoroughly any variations between its proposal and the Owner's RFP requirements. Failure to do so shall be deemed a waiver of any rights to subsequently modify the terms of performance, except as outlined or specified in the RFP.

2.2. Execution, Correlation, Intent, and Interpretations: The Contract Documents shall be signed by the Owner and Contractor. By executing the contract, the Contractor represents that they have familiarized themselves with the local conditions under which the Work is to be performed, and correlated their observations with the requirements of the Contract Documents. The Contract Documents are complementary, and what is required by any one, shall be as binding as if required by all. The intention of the documents is to include all labor, materials, equipment, services and other items necessary for the proper execution and completion of the scope of work as defined in the technical specifications and drawings contained herein. All drawings, specifications and copies furnished by the Owner are, and shall remain, Owner property. They are not to be used on any other project.

2.3. Permits, Fees, & Notices: The Contractor shall secure and pay for all permits, governmental fees and licenses necessary for the proper execution and completion of the work. The Contractor shall give all notices and comply with all laws, ordinances, rules,

regulations and orders of any public authority bearing on the performance of the work. If the Contractor observes that any of the Contract Documents are at variance in any respect, he shall promptly notify the Owner in writing, and any necessary changes shall be adjusted by approximate modification. If the Contractor performs any work knowing it to be contrary to such laws, ordinances, rules and regulations, and without such notice to the Owner, he shall assume full responsibility and shall bear all costs attributable.

- 2.4. Responsibility for those Performing the Work:** The Contractor shall be responsible to the Owner for the acts and omissions of all his employees and all other persons performing any of the work under a contract with the Contractor.
- 2.5. Payment & Completion:** The Contract Sum is stated in the Contract and is the total amount payable by the Owner to the Contractor for the performance of the work under the Contract Documents. Upon receipt of written notice that the work is ready for final inspection and acceptance and upon receipt of application for payment, the Owner's Project Manager will promptly make such inspection and, when they find the work acceptable under the Contract Documents and the Contract fully performed, the Owner shall make payment in the manner provided in the Contract Documents. Partial payments will be based upon estimates, prepared by the Contractor, of the value of Work performed and materials placed in accordance with the Contract Documents. The work performed by Contractor shall be in accordance with generally accepted professional practices and the level of competency presently maintained by other practicing professional firms in the same or similar type of work in the applicable community. The work and services to be performed by Contractor hereunder shall be done in compliance with applicable laws, ordinances, rules and regulations.
- 2.6. Protection of Persons & Property:** The Contractor shall comply with all applicable laws, ordinances, rules, regulations and orders of any public authority having jurisdiction for the safety of persons or property or to protect them from damage, injury or loss. Contractor shall erect and maintain, as required by existing safeguards for safety and protection, and all reasonable precautions, including posting danger signs or other warnings against hazards promulgating safety regulations and notifying owners and users of adjacent utilities. When or where any direct or indirect damage or injury is done to public or private property by or on account of any act, omission, neglect, or misconduct by the Contractor in the execution of the work, or in consequence of the non-execution thereof by the Contractor, they shall restore, at their own expense, such property to a condition similar or equal to that existing before such damage or injury was done, by repairing, rebuilding, or otherwise restoring as may be directed, or it shall make good such damage or injury in an acceptable manner.
- 2.7. Changes in the Work:** The Owner, without invalidating the contract, may order changes in the work within the general scope of the contract consisting of additions, deletions or other revisions. All such changes in the work shall be authorized by Change Order/Amendment and shall be executed under the applicable conditions of the contract documents. A Change Order/Amendment is a written order to the Contractor signed by the Owner issued after the execution of the contract, authorizing a change in the work or an adjustment in the contract sum or the contract time.

- 2.8. Minor Changes in the Work:** The Owner shall have authority to order minor changes in the work not involving an adjustment in the contract sum or an extension of the contract time and not inconsistent with the intent of the contract documents.
- 2.9. Uncovering & Correction of Work:** The Contractor shall promptly correct all work found by the Owner as defective or as failing to conform to the contract documents. The Contractor shall bear all costs of correcting such rejected work, including the cost of the Owner's additional services thereby made necessary. The Owner shall give such notice promptly after discover of condition. All such defective or non-conforming work under the above paragraphs shall be removed from the site where necessary and the work shall be corrected to comply with the contract documents without cost to the Owner.
- 2.10. Acceptance Not Waiver:** The Owner's acceptance or approval of any work furnished hereunder shall not in any way relieve the proposer of their present responsibility to maintain the high quality, integrity and timeliness of his work. The Owner's approval or acceptance of, or payment for, any services shall not be construed as a future waiver of any rights under this Contract, or of any cause of action arising out of performance under this Contract.
- 2.11. Change Order/Amendment:** No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All amendments to the contract shall be made in writing by the Owner.
- 2.12. Assignment:** The Offeror shall not sell, assign, transfer or convey any contract resulting from this RFP, in whole or in part, without the prior written approval from the Owner.
- 2.13. Compliance with Laws:** Proposals must comply with all Federal, State, County and local laws governing or covering this type of service and the fulfillment of all ADA (Americans with Disabilities Act) requirements. Contractor hereby warrants that it is qualified to assume the responsibilities and render the services described herein and has all requisite corporate authority and professional licenses in good standing, required by law.
- 2.14. Debarment/Suspension:** The Contractor hereby certifies that the Contractor is not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Governmental department or agency.
- 2.15. Confidentiality:** All information disclosed by the Owner to the Offeror for the purpose of the work to be done or information that comes to the attention of the Offeror during the course of performing such work is to be kept strictly confidential.
- 2.16. Conflict of Interest:** No public official and/or Owner employee shall have interest in any contract resulting from this RFP.
- 2.17. Contract:** This Request for Proposal, submitted documents, and any negotiations, when properly accepted by the Owner, shall constitute a contract equally binding between the Owner and Offeror. The contract represents the entire and integrated agreement between the parties hereto and supersedes all prior negotiations, representations, or

agreements, either written or oral, including the Proposal documents. The contract may be amended or modified with Change Orders, Field Orders, or Amendment.

- 2.18. Project Manager/Administrator:** The Project Manager, on behalf of the Owner, shall render decisions in a timely manner pertaining to the work proposed or performed by the Offeror. The Project Manager shall be responsible for approval and/or acceptance of any related performance of the Scope of Services.
- 2.19. Contract Termination:** This contract shall remain in effect until any of the following occurs: (1) contract expires; (2) completion of services; (3) acceptance of services or, (4) for convenience terminated by either party with a written *Notice of Cancellation* stating therein the reasons for such cancellation and the effective date of cancellation at least thirty days past notification.
- 2.20. Employment Discrimination:** During the performance of any services per agreement with the Owner, the Offeror, by submitting a Proposal, agrees to the following conditions:
- 2.20.1. The Offeror shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, age, disability, citizenship status, marital status, veteran status, sexual orientation, national origin, or any legally protected status except when such condition is a legitimate occupational qualification reasonably necessary for the normal operations of the Offeror. The Offeror agrees to post in conspicuous places, visible to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
 - 2.20.2. The Offeror, in all solicitations or advertisements for employees placed by or on behalf of the Offeror, shall state that such Offeror is an Equal Opportunity Employer.
 - 2.20.3. Notices, advertisements, and solicitations placed in accordance with federal law, rule, or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.
- 2.21. Immigration Reform and Control Act of 1986 and Immigration Compliance:** The Offeror certifies that it does not and will not during the performance of the contract employ illegal alien workers or otherwise violate the provisions of the Federal Immigration Reform and Control Act of 1986 and/or the immigration compliance requirements of State of Colorado C.R.S. § 8-17.5-101, *et.seq.* (House Bill 06-1343).
- 2.22. Ethics:** The Offeror shall not accept or offer gifts or anything of value nor enter into any business arrangement with any employee, official, or agent of the Owner.
- 2.23. Failure to Deliver:** In the event of failure of the Offeror to deliver services in accordance with the contract terms and conditions, the Owner, after due oral or written notice, may procure the services from other sources and hold the Offeror responsible for any costs resulting in additional purchase and administrative services. This remedy shall be in addition to any other remedies that the Owner may have.
- 2.24. Failure to Enforce:** Failure by the Owner at any time to enforce the provisions of the contract shall not be construed as a waiver of any such provisions. Such failure to

enforce shall not affect the validity of the contract or any part thereof or the right of the Owner to enforce any provision at any time in accordance with its terms.

- 2.25. Force Majeure:** The Offeror shall not be held responsible for failure to perform the duties and responsibilities imposed by the contract due to legal strikes, fires, riots, rebellions, and acts of God beyond the control of the Offeror, unless otherwise specified in the contract.
- 2.26. Indemnification:** Offeror shall defend, indemnify and save harmless the Owner and all its officers, employees, insurers, and self-insurance pool, from and against all liability, suits, actions, or other claims of any character, name and description brought for or on account of any injuries or damages received or sustained by any person, persons, or property on account of any negligent act or fault of the Offeror, or of any Offeror's agent, employee, subcontractor or supplier in the execution of, or performance under, any contract which may result from proposal award. Offeror shall pay any judgment with cost which may be obtained against the Owner growing out of such injury or damages.
- 2.27. Independent Firm:** The Offeror shall be legally considered an Independent Firm and neither the Firm nor its employees shall, under any circumstances, be considered servants or agents of the Owner. The Owner shall be at no time legally responsible for any negligence or other wrongdoing by the Firm, its servants, or agents. The Owner shall not withhold from the contract payments to the Firm any federal or state unemployment taxes, federal or state income taxes, Social Security Tax or any other amounts for benefits to the Firm. Further, the Owner shall not provide to the Firm any insurance coverage or other benefits, including Workers' Compensation, normally provided by the Owner for its employees.
- 2.28. Nonconforming Terms and Conditions:** A proposal that includes terms and conditions that do not conform to the terms and conditions of this Request for Proposal is subject to rejection as non-responsive. The Owner reserves the right to permit the Offeror to withdraw nonconforming terms and conditions from its proposal prior to a determination by the Owner of non-responsiveness based on the submission of nonconforming terms and conditions.
- 2.29. Ownership:** All plans, prints, designs, concepts, etc., shall become the property of the Owner.
- 2.30. Oral Statements:** No oral statement of any person shall modify or otherwise affect the terms, conditions, or specifications stated in this document and/or resulting agreement. All modifications to this request and any agreement must be made in writing by the Owner.
- 2.31. Patents/Copyrights:** The Offeror agrees to protect the Owner from any claims involving infringements of patents and/or copyrights. In no event shall the Owner be liable to the Offeror for any/all suits arising on the grounds of patent(s)/copyright(s) infringement. Patent/copyright infringement shall null and void any agreement resulting from response to this RFP.

- 2.32. Venue:** Any agreement as a result of responding to this RFP shall be deemed to have been made in, and shall be construed and interpreted in accordance with, the laws of the City of Grand Junction, Mesa County, Colorado.
- 2.33. Expenses:** Expenses incurred in preparation, submission and presentation of this RFP are the responsibility of the company and can not be charged to the Owner.
- 2.34. Sovereign Immunity:** The Owner specifically reserves its right to sovereign immunity pursuant to Colorado State Law as a defense to any action arising in conjunction to this agreement.
- 2.35. Public Funds/Non-Appropriation of Funds:** Funds for payment have been provided through the Owner's budget approved by the City Council/Board of County Commissioners for the stated fiscal year only. State of Colorado statutes prohibit the obligation and expenditure of public funds beyond the fiscal year for which a budget has been approved. Therefore, anticipated orders or other obligations that may arise past the end of the stated Owner's fiscal year shall be subject to budget approval. Any contract will be subject to and must contain a governmental non-appropriation of funds clause.
- 2.36. Collusion Clause:** Each Offeror by submitting a proposal certifies that it is not party to any collusive action or any action that may be in violation of the Sherman Antitrust Act. Any and all proposals shall be rejected if there is evidence or reason for believing that collusion exists among the proposers. The Owner may or may not, at the discretion of the Owner Purchasing Representative, accept future proposals for the same service or commodities for participants in such collusion.
- 2.37. Gratuities:** The Contractor certifies and agrees that no gratuities or kickbacks were paid in connection with this contract, nor were any fees, commissions, gifts or other considerations made contingent upon the award of this contract. If the Contractor breaches or violates this warranty, the Owner may, at their discretion, terminate this contract without liability to the Owner.
- 2.38. Performance of the Contract:** The Owner reserves the right to enforce the performance of the contract in any manner prescribed by law or deemed to be in the best interest of the Owner in the event of breach or default of resulting contract award.
- 2.39. Benefit Claims:** The Owner shall not provide to the Offeror any insurance coverage or other benefits, including Worker's Compensation, normally provided by the Owner for its employees.
- 2.40. Default:** The Owner reserves the right to terminate the contract in the event the Contractor fails to meet delivery or completion schedules, or otherwise perform in accordance with the accepted proposal. Breach of contract or default authorizes the Owner to purchase like services elsewhere and charge the full increase in cost to the defaulting Offeror.
- 2.41. Multiple Offers:** If said proposer chooses to submit more than one offer, THE ALTERNATE OFFER must be clearly marked "Alternate Proposal". The Owner reserves the right to make award in the best interest of the Owner.

2.42. Cooperative Purchasing: Purchases as a result of this solicitation are primarily for the Owner. Other governmental entities may be extended the opportunity to utilize the resultant contract award with the agreement of the successful provider and the participating agencies. All participating entities will be required to abide by the specifications, terms, conditions and pricings established in this Proposal. The quantities furnished in this proposal document are for only the Owner. It does not include quantities for any other jurisdiction. The Owner will be responsible only for the award for our jurisdiction. Other participating entities will place their own awards on their respective Purchase Orders through their purchasing office or use their purchasing card for purchase/payment as authorized or agreed upon between the provider and the individual entity. The Owner accepts no liability for payment of orders placed by other participating jurisdictions that choose to piggy-back on our solicitation. Orders placed by participating jurisdictions under the terms of this solicitation will indicate their specific delivery and invoicing instructions.

2.43. Definitions:

2.43.1. "Offeror" and/or "Proposer" refers to the person or persons legally authorized by the Consultant to make an offer and/or submit a response (fee) proposal in response to the Owner's RFP.

2.43.2. The term "Work" includes all labor, materials, equipment, and/or services necessary to produce the requirements of the Contract Documents.

2.43.3. "Contractor" is the person, organization, firm or consultant identified as such in the Agreement and is referred to throughout the Contract Documents. The term Contractor means the Contractor or his authorized representative. The Contractor shall carefully study and compare the General Contract Conditions of the Contract, Specification and Drawings, Scope of Work, Addenda and Modifications and shall at once report to the Owner any error, inconsistency or omission he may discover. Contractor shall not be liable to the Owner for any damage resulting from such errors, inconsistencies or omissions. The Contractor shall not commence work without clarifying Drawings, Specifications, or Interpretations.

2.43.4. "Sub-Contractor" is a person or organization who has a direct contract with the Contractor to perform any of the work at the site. The term sub-contractor is referred to throughout the contract documents and means a sub-contractor or his authorized representative.

2.44. Public Disclosure Record: If the Proposer has knowledge of their employee(s) or sub-proposers having an immediate family relationship with an Owner employee or elected official, the proposer must provide the Purchasing Representative with the name(s) of these individuals. These individuals are required to file an acceptable "Public Disclosure Record", a statement of financial interest, before conducting business with the Owner.

SECTION 3.0: INSURANCE REQUIREMENTS
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3.1 Insurance Requirements: The selected Firm agrees to procure and maintain, at its own cost, policy(s) of insurance sufficient to insure against all liability, claims, demands, and

other obligations assumed by the Firm pursuant to this Section. Such insurance shall be in addition to any other insurance requirements imposed by this Contract or by law. The Firm shall not be relieved of any liability, claims, demands, or other obligations assumed pursuant to this Section by reason of its failure to procure or maintain insurance in sufficient amounts, durations, or types.

Firm shall procure and maintain and, if applicable, shall cause any Subcontractor of the Firm to procure and maintain insurance coverage listed below. Such coverage shall be procured and maintained with forms and insurers acceptable to The Owner. All coverage shall be continuously maintained to cover all liability, claims, demands, and other obligations assumed by the Firm pursuant to this Section. In the case of any claims-made policy, the necessary retroactive dates and extended reporting periods shall be procured to maintain such continuous coverage. Minimum coverage limits shall be as indicated below unless specified otherwise in the Special Conditions:

(a) Worker Compensation insurance to cover obligations imposed by applicable laws for any employee engaged in the performance of work under this Contract, and Employers' Liability insurance with minimum limits of:

ONE MILLION DOLLARS (\$1,000,000) each accident,
ONE MILLION DOLLARS (\$1,000,000) disease - policy limit, and
ONE MILLION DOLLARS (\$1,000,000) disease - each employee

(b) General Liability insurance with minimum combined single limits of:

ONE MILLION DOLLARS (\$1,000,000) each occurrence and
ONE MILLION DOLLARS (\$1,000,000) per job aggregate.

The policy shall be applicable to all premises, products and completed operations. The policy shall include coverage for bodily injury, broad form property damage (including completed operations), personal injury (including coverage for contractual and employee acts), blanket contractual, products, and completed operations. The policy shall include coverage for explosion, collapse, and underground (XCU) hazards. The policy shall contain a severability of interests provision.

(c) Comprehensive Automobile Liability insurance with minimum combined single limits for bodily injury and property damage of not less than:

ONE MILLION DOLLARS (\$1,000,000) each occurrence and
ONE MILLION DOLLARS (\$1,000,000) aggregate

(d) Professional Liability & Errors and Omissions Insurance policy with a minimum of:

ONE MILLION DOLLARS (\$1,000,000) per claim

This policy shall provide coverage to protect the contractor against liability incurred as a result of the professional services performed as a result of responding to this Solicitation.

With respect to each of Consultant's owned, hired, or non-owned vehicles assigned to be used in performance of the Work. The policy shall contain a severability of interest's provision.

- 3.2 Additional Insured Endorsement:** The policies required by paragraphs (b), and (c) above shall be endorsed to include the Owner and the Owner's officers and employees as additional insureds. Every policy required above shall be primary insurance, and any insurance carried by the Owner, its officers, or its employees, or carried by or provided through any insurance pool of the Owner, shall be excess and not contributory insurance to that provided by Contractor. The Contractor shall be solely responsible for any deductible losses under any policy required above.

SECTION 4.0: SPECIFICATIONS/SCOPE OF SERVICES

- 4.1. General/Background:** Since the initial development of the water supply for the City of Grand Junction in 1889, the City has overcome a number of challenges including water quality issues, severe droughts, and population growth.

Originally, water was supplied to the City by a privately-owned water company (Krusen Water Company) from the Colorado River via a pumping plant. In response to complaints of poor water quality, the City built its own pump station on the Gunnison River, which was thought to be a source of better water quality. This pump station delivered water to a small reservoir located on "Reservoir Hill" which is the site of the present water treatment plant.

The City again experienced poor water quality and began pursuing acquisition of a water right on Kannah Creek in 1907. The City was granted a Paramount water right of 7.81 cubic feet per second of direct flow from Kannah Creek in 1911. Construction of the first 20-mile flow line was completed in 1912 enabling the City to deliver up to 5 million gallons per day.

The City built its first water treatment plant in 1938 with a capacity of 5 million gallons per day and later expanded it to 7.13 million gallons per day in 1946.

As the City continued to grow, the demand for water also increased. The City responded to the increased demand by implementing several projects and acquiring additional water rights. In 1947, the City built its first reservoir in the Kannah Creek area, Carson Reservoir, with a storage capacity of 650 acre-feet to meet increasing demands and improve reliability.

In 1955, the City acquired land and water rights that include the Purdy Mesa (fka Hallenbeck #1), Juniata, and Reeder reservoirs, as well as reservoirs on the Grand Mesa and direct flow rights to fill each of these reservoirs. With this additional supply, the City built a second 20-mile flowline with a capacity of 7 million gallons per day resulting in a total flowline capacity of 12 million gallons per day to the water treatment plant.

In 1957, the City acquired additional water rights to keep pace with growth and secure backup water supply sources. These water rights included additional direct flow rights on

the Gunnison River, direct flow and storage rights for the Raber Click and Juniata Reservoirs, and additional water rights on the Colorado River.

The City constructed a new water treatment plant with a capacity of 16 million gallons per day in the 1960s. In 1972, it constructed a new pump station on the Gunnison River to serve as a backup emergency raw water supply.

Following a severe drought in 1976/77, the City partnered with the Clifton Water District to construct a new water treatment plant on the Colorado River capable of treating 12 million gallons per day. In exchange, the Clifton Water District agreed to supply up to 4.5 million gallons per day of treated water to the City, if needed. The City also enlarged the Juniata Reservoir to 6,867 acre-feet, which represents about a 1-year supply of water. The City also increased its pumping capacity on the Gunnison River for backup raw water supply.

In 1990, the City acquired the Somerville ranch and associated senior water rights in the Whitewater basin, which included a number of direct flow and reservoir storage rights that was estimated to contribute 2,000 acre-feet of water to the City's water supply in an average year.

Today, the City of Grand Junction maintains water rights in five drainage basins: the Kannah Creek drainage area, the North Fork of the Kannah Creek, the Whitewater Creek drainage area, the Gunnison River, and the Colorado River. A summary of the City's direct flow **Exhibit 3** and storage water rights is included as **Exhibit 1 & 2**.

The City has continued to invest in infrastructure projects to improve the reliability of the water supply, treatment, and distribution system. Water from Kannah Creek, the North Fork of the Kannah Creek, and the Whitewater watershed is diverted through a system of ditches, canals, reservoirs and pipelines to supply water to the City of Grand Junction Water Treatment Plant, the Kannah Creek Treatment Plant, and agricultural irrigation. A schematic of the City's water supply network is included as **Exhibit 4**.

The City continues to maintain the Gunnison River pump station as an emergency backup raw water source. The City also maintains an interconnection with the Clifton Water District to provide treated water if needed.

Current and Projected Water Demand

The City's incorporated area covers 39 square miles and has a population of about 60,000. However, the City's water service area is limited to 9 square miles serving a population of about 30,000 (9,900 active water taps). The rest of the incorporated area (about 75% of the City) is served by the Ute Water District.

By 2035, the population of the City of Grand Junction is expected to top 100,000. While population forecasts for the District's water service area estimate an annual growth rate of 2.95%, water demand for the City's water service area is currently only projected to grow at an annual rate of 0.70% because of the present service area boundaries.

In 2012, the City estimated water supply versus demand under average and drought conditions through 2050. By 2050, the projected municipal demand is about 7,000 acre-

feet and could be met by Kannah Creek/North Fork/Whitewater Creek, which can yield 16,200 acre-feet under average conditions.

In drought conditions similar to 1976/77, the projected municipal demand is about 8,000 acre-feet in 2050. Kannah Creek/North Fork/Whitewater Creek would yield about 6,000 acre-feet and would need to be supplemented with other direct flow rights available or carry over reservoir storage. About 2,485 acre-feet (1.9 mgd) average of water is available through agreement with the Clifton Water District and 13,000 acre-feet is available from the Gunnison River (depending on time of year).

4.2. Project Objectives: The City is interested in updating an evaluation of its current water rights and water supply system to determine the “firm yield” for water supply during average and drought conditions in comparison with future demand for municipal water as well as irrigation water. The City is seeking proposals from qualified engineering consultants to develop a computer model that can:

- Simulates the diversions and operation of our reservoirs that are used to supply our water treatment plants, irrigation, and raw water customers.
- Assess which water rights are needed to meet projected demands.
- Determine which water rights would not be utilized to meet future demand under normal and drought conditions.
- Determine if we need to make any operational changes to fully capture diversion rights or better manage reservoirs to enhance reliability, especially during an extended drought.
- Assess the adequacy of our emergency backup water sources.
- Provide a tool that can be used by the City’s staff to help manage operations (e.g., carry over storage) from year to year.
- Provide a tool that can be used by the City’s staff to evaluate planning scenarios.

4.3. Special Conditions/Provisions:

- **Price/Fees:** Pricing shall be established as “a cost not to exceed price”, and shall be all inclusive, to include, but not be limited to: labor, materials, equipment, travel, drawings, engineering work, shipping/freight, licenses, permits, fees, etc.

Provide a not to exceed price using Solicitation Response Form found in Section 7, **accompanied by a complete list of costs breakdown.**

All fees will be considered by the Owner to be negotiable.

- **Attached Documents:**
 1. Water Rights Map
 2. Storage Rights Summary Table
 3. Direct Flow Rights Summary Table
 4. Draft Schematic of Grand Junction Water System

4.4. Scope of Services: The scope of services includes the following:

Task 1: Project Management and Coordination

Project Initiation: Develop and prepare a project schedule to meet the proposed project time frame and complete assigned tasks. The schedule shall show individual tasks described in the scope of work for the project and identify key milestone dates. The Consultant Project Manager (Consultant PM) shall maintain and update the project schedule as the work proceeds. Consultant PM will be assigned to this project for the duration of the work.

Project Team Coordination: The City PM and the Consultant PM shall maintain ongoing communication about the project on a frequent and regular basis. Consultant PM shall provide:

- Copies of pertinent written communications, including electronic (email) correspondence
- Early identification of potential problems

Progress Meetings: The City and Consultant shall meet, either in person or by telephone conference calls, at regularly scheduled Project Working Group Meetings held at approximate two-week intervals throughout the project. Meetings shall include consultant PM, City PM, and Water Services Manager. The Project Working Group Meetings shall be used to coordinate the work effort and resolve any outstanding issues or problems. The meetings shall focus on the following topics:

- Activities completed since last meeting
- Problems encountered or anticipated
- Late activities/activities slipping behind schedule
- Solutions for unresolved or newly identified problems
- Schedule of upcoming activities
- Information on items required.

The Consultant PM shall prepare a written summary report of the general discussions held including all action items assigned. This scope assumes six (6) Project Working Group Meetings via conference call.

Reporting Requirements: The Consultant PM shall provide the following on a routine basis:

- Bi-weekly status

Task 2: Data Collection

The City will assemble and provide available data regarding its water sources, water rights, water usage, operational procedures, and water demand. This will include reports, maps, records, decrees, agreements, and other information.

Task 3: Develop Water Supply Simulation Model

Develop a computer model to simulate the City's raw water supply operations over a representative historical period. The model shall be constructed with sufficient detail to represent the key elements of the City's water supplies including diversion ditches, reservoirs, water rights, and demands (irrigation and municipal treatment plants).

The proposed computer model will have the capability to estimate the firm yield of City's current water supplies. Firm yield is typically defined as the maximum average annual supply of water that can be supplied from a water source without shortages during a

repetition of the critical drought period. In addition, the proposed computer model should be configured so that additional operational scenarios can be evaluated as discussed in Additional Tasks.

Task 4: Modeling Summary Report

Prepare summary documentation of the development of the water supply simulation model and results of the firm yield simulation. Attend meeting with City staff to present results of the model and report.

Additional Tasks

Future phases of work may include the following additional tasks:

- Use the model to analyze the effect on City's firm yield by adding or subtracting water sources, water rights, and by modifying certain physical system capacities (e.g., reservoir storage and pipeline capacity).
- Analyzing system or operational improvements to enhance the reliability of the City's water supply, especially during an extended drought.
- Determine which water rights would not be utilized to meet future demand under normal and drought conditions.
- Assess the adequacy of our emergency backup water sources.
- Provide a tool that can be used by the City's staff to help manage operations (e.g., carry over storage) from year to year.
- Provide a tool that can be used by the City's staff to evaluate future planning scenarios.
- Training and technical support.

4.5. RFP Tentative Time Schedule:

- | | |
|---|-----------------|
| • Request for Proposal available: | April 20, 2018 |
| • Inquiry deadline, no questions after this date: | May 2, 2018 |
| • Addendum Posted: | May 4, 2018 |
| • Submittal deadline for proposals: | May 11, 2018 |
| • Owner evaluation of proposals: | May 14-18, 2018 |
| • Final selection: | May 23, 2018 |
| • Contract execution: | May 30, 2018 |
| • Work begins no later than: | June 6, 2018 |

4.6. Questions Regarding Scope of Services: All questions regarding this Request for Proposal shall be directed by email to Duane Hoff. All inquiries shall clearly identify the name of the firm and the authorized representative, the RFP number and Title, and all questions to which the responses shall be made.

Any interpretations, corrections and changes to this RFP or extensions to the opening/receipt date shall be made by a written Addendum to the RFP by the City Purchasing Division. Sole authority to authorize addenda shall be vested in the City of Grand Junction Purchasing Representative. Addenda will be issued electronically through the Rocky Mountain E-Purchasing website at www.rockymountainbidsystem.com. Offerors shall acknowledge receipt of all addenda in their proposal.

Duane Hoff Jr., Senior Buyer
duaneh@gjcity.org

SECTION 5.0: PREPARATION AND SUBMITTAL OF PROPOSALS

Submission: Each proposal shall be submitted in electronic format only, and only through the Rocky Mountain E-Purchasing website (<https://www.rockymountainbidsystem.com/default.asp>). This site offers both “free” and “paying” registration options that allow for full access of the Owner’s documents and for electronic submission of proposals. (Note: “free” registration may take up to 24 hours to process. Please Plan accordingly.) Please view our “**Electronic Vendor Registration Guide**” at <http://www.gjcity.org/BidOpenings.aspx> for details. (Purchasing Representative does not have access or control of the vendor side of RMEPS. If website or other problems arise during response submission, vendor **MUST** contact RMEPS to resolve issue prior to the response deadline **800-835-4603**). For proper comparison and evaluation, the City requests that proposals be formatted as directed in Section 5.0 “Preparation and Submittal of Proposals.” Offerors are required to indicate their interest in this Project, show their specific experience and address their capability to perform the Scope of Services in the Time Schedule as set forth herein. For proper comparison and evaluation, the Owner requires that proposals be formatted **A to F**:

- A. Cover Letter:** Cover letter shall be provided which explains the Firm’s interest in the project. The letter shall contain the name/address/phone number/email of the person who will serve as the firm’s principal contact person with Owner’s Contract Administrator and shall identify individual(s) who will be authorized to make presentations on behalf of the firm. The statement shall bear the signature of the person having proper authority to make formal commitments on behalf of the firm. By submitting a response to this solicitation the Contractor agrees to all requirements herein.
- B. Qualifications/Experience/Credentials:** Proposers shall provide their qualifications for consideration as a contract provider to the City of Grand Junction/Mesa County and include prior experience in similar projects.
- C. Strategy and Implementation Plan:** Describe your (the firm’s) interpretation of the Owner’s objectives with regard to this RFP. Describe the proposed strategy and/or plan for achieving the objectives of this RFP. The Firm may utilize a written narrative or any other printed technique to demonstrate their ability to satisfy the Scope of Services. The narrative should describe a logical progression of tasks and efforts starting with the initial steps or tasks to be accomplished and continuing until all proposed tasks are fully described and the RFP objectives are accomplished. Include a **time schedule** for completion of your firm’s implementation plan and an estimate of time commitments from Owner staff.
- D. References:** A minimum of three (3) **references** with name, address, telephone number, and email address that can attest to your experience in projects of similar scope and size.
- E. Fee Proposal:** Provide a “not to exceed price” using Solicitation Response Form found in Section 7, **accompanied by a complete list of costs breakdown.**

- F. **Additional Data (optional):** Provide any additional information that will aid in evaluation of your qualifications with respect to this project.

SECTION 6.0: EVALUATION CRITERIA AND FACTORS

- 6.1 Evaluation:** An evaluation team shall review all responses and select the proposal or proposals that best demonstrate the capability in all aspects to perform the scope of services and possess the integrity and reliability that will ensure good faith performance.
- 6.2 Intent:** Only respondents who meet the qualification criteria will be considered. Therefore, it is imperative that the submitted proposal clearly indicate the firm's ability to provide the services described herein.

Submittal evaluations will be done in accordance with the criteria and procedure defined herein. The Owner reserves the right to reject any and all portions of proposals and take into consideration past performance. The following parameters will be used to evaluate the submittals (in no particular order of priority):

- Responsiveness of submittal to the RFP
- Understanding of the project and the objectives
- Experience/Required Skills
- Necessary resources
- Strategy & Implementation Plan
- References
- Fees

Owner also reserves the right to take into consideration past performance of previous awards/contracts with the Owner of any vendor, contractor, supplier, or service provider in determining final award(s).

The Owner will undertake negotiations with the top rated firm and will not negotiate with lower rated firms unless negotiations with higher rated firms have been unsuccessful and terminated.

- 6.3 Oral Interviews:** The Owner may invite the most qualified rated proposers to participate in oral interviews.
- 6.4 Award:** Firms shall be ranked or disqualified based on the criteria listed in Section 6.2. The Owner reserves the right to consider all of the information submitted and/or oral presentations, if required, in selecting the project Contractor.

SECTION 7.0: SOLICITATION RESPONSE FORM

RFP-4524-18-DH Professional Services for Water Supply Modeling for City of Grand Junction

Offeror must submit entire Form completed, dated and signed.

1) Not to exceed price to provide all labor, services, supplies, equipment, travel, etc. necessary for the Water Supply Modeling per specifications:

NOT TO EXCEED PRICE \$ _____

WRITTEN: _____ dollars.

The Owner reserves the right to accept any portion of the work to be performed at its discretion

The undersigned has thoroughly examined the entire Request for Proposals and therefore submits the proposal and schedule of fees and services attached hereto.

This offer is firm and irrevocable for sixty (60) days after the time and date set for receipt of proposals.

The undersigned Offeror agrees to provide services and products in accordance with the terms and conditions contained in this Request for Proposal and as described in the Offeror's proposal attached hereto; as accepted by the Owner.

Prices in the proposal have not knowingly been disclosed with another provider and will not be prior to award.

- Prices in this proposal have been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.
- No attempt has been made nor will be to induce any other person or firm to submit a proposal for the purpose of restricting competition.
- The individual signing this proposal certifies they are a legal agent of the offeror, authorized to represent the offeror and is legally responsible for the offer with regard to supporting documentation and prices provided.
- Direct purchases by the City of Grand Junction are tax exempt from Colorado Sales or Use Tax. Tax exempt No. 98-903544. The undersigned certifies that no Federal, State, County or Municipal tax will be added to the above quoted prices.
- City of Grand Junction payment terms shall be Net 30 days.
- Prompt payment discount of _____ percent of the net dollar will be offered to the Owner if the invoice is paid within _____ days after the receipt of the invoice.

RECEIPT OF ADDENDA: the undersigned Contractor acknowledges receipt of Addenda to the Solicitation, Specifications, and other Contract Documents.

State number of Addenda received: _____.

It is the responsibility of the Proposer to ensure all Addenda have been received and acknowledged.

Company Name – (Typed or Printed)

Authorized Agent – (Typed or Printed)

Authorized Agent Signature

Phone Number

Address of Offeror

E-mail Address of Agent

City, State, and Zip Code

Date

Water Rights Map

Preliminary Draft - For Discussion Only

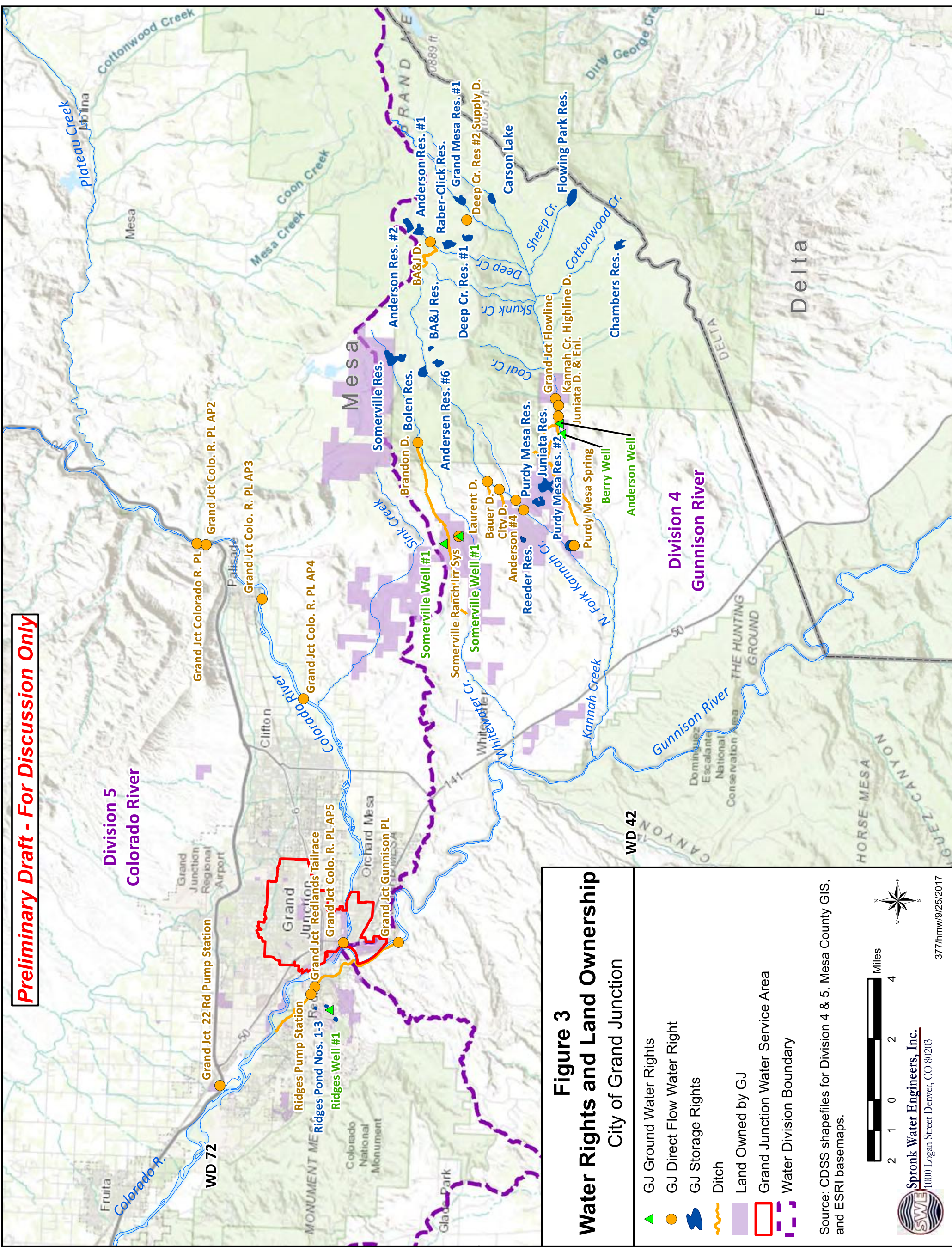


Figure 3
Water Rights and Land Ownership
 City of Grand Junction

- ▲ GJ Ground Water Rights
- GJ Direct Flow Water Right
- GJ Storage Rights
- ~ Ditch
- Land Owned by GJ
- Grand Junction Water Service Area
- Water Division Boundary

Source: CDSS shapefiles for Division 4 & 5, Mesa County GIS, and ESRI basemaps.

377/hmw/9/25/2017

Storage Rights Summary Table

**City of Grand Junction
Summary of Storage Water Rights**

ID	Water Right Name	(1) GJ (AF)	(2) Capacity (AF)	(3) Use	(4) Approp. Date	Comment
North Kannah Creek Basin						
(5)	3630 Anderson Reservoir No. 6	57.3	118.0	IM	1928	
(6)		118.0		M	1993	
(5)	3603 Bolen Reservoir	535.7	521.0	IM	1949	First 383.3 af has 1911 approp. date
(6)		521.0		M	1993	
(5)	3602 Bolen A&J Reservoir No. 2	293.0	240.0	IM	1949	First 11.1 af has 1911 approp. date
(6)		240.0		M	1993	
	3618 Hallenbeck #1 Reservoir	863.1	659.0	I	1939	
(6)	(aka Purdy Mesa Reservoir)	659.0		M	1993	Conditional
(7)	3620 Juniata Reservoir & Enl.	6,869.7	7,291.4	I	1911-1967	1st 400.094 af (1911 approp.); 1st enl. 2,313 af (1953 approp); 2nd enl. 4,156.6 af (1967 approp.)
(6)		3,213.4		M	1993-1994	919 af abs (1993 approp./2002 adj. date); 1,794.4 af + 412.8 af abs + 87.2 af cond. (1994 approp.)
	3692 Purdy Mesa Reservoir No. 2	2.5	2.5	IM	1955	Conditional municipal use; downslope from City's transmission lines; dam needs work
Kannah Creek Basin						
(5)	3600 Anderson Reservoir No. 1	466.0	506.0	IM	1911	
(6)		506.0		M	1993	Includes 38 af TF Raber Click Res.
(5)	3601 Anderson Reservoir No. 2	568.4	595.0	IM	1928	
(6)		595.0		M	1993	
(8)	3619 Hallenbeck #2 Reservoir	526.1	459.0	IM	1923	459 af changed to add municipal uses
(6)	(aka Raber Click Reservoir)	459.0		M	1993	Original 1993 cond. water right was 503 af; 38 af TT Anderson #1; 5.68 af dismissed
	3606 Deep Creek Reservoir No. 2	66.5	350.0	I	1906	City owns 19%
(9)	3614 Grand Mesa Reservoir No. 1	559.0	<i>559.0</i>	I	1887	Need to file for 2017 municipal right
	3604 Carson Lake	637.0	<i>637.0</i>	M	1946	
	3607 Dry Creek Reservoir (aka Chambers Res.)	200.0	200.0	I	1903	City owns 33%; total water right for 600 af; reservoir only holds 200 af
	3608 Flowing Park Reservoir	782.2	<i>782.2</i>	IM	1911	Added irrigated lands in Div. 5 (96CW271)
Whitewater Creek Basin						
	3625 Somerville Reservoir #1	929.8	<i>973.0</i>	I	1993	1st 70.8 af (1894 approp. - TF Cliff Lake Res.); 1st enl. 837 af (1945 approp); 2nd enl. 66 af (1993 approp.)
(6)		973.0		M	1993	Conditional
	3661 Reeder Reservoir	179.7	<i>179.7</i>	I	1889	Abandoned municipal conditional right (700 af) in 2010; filled by Bauer D. (N Fork Kannah)
	3648 Guild Reservoir	82.6	100.0	I	1909	Conditional portion abandoned (ref. 84CW93), located in Water Div. 5 (ref. 92CW62); status?
Colorado River Basin						
	3941 Ridges Ponds No. 1	4.5	<i>4.5</i>	M	1978	
	3937 Ridges Ponds No. 2	2.3	<i>2.3</i>	M	1978	
	3938 Ridges Ponds No. 3	32.5	<i>32.5</i>	M	1978	aka Shadow Lake
Total Capacity:		14,212				

Notes:

- (1) Water right volume owned by the City of Grand Junction.
- (2) Reservoir capacity from decrees or 1991 report or capacity estimated equal to decreed volume in italic and grey text.
- (3) I – Irrigation, M - Municipal
- (4) Year of appropriation date or latest year with multiple water rights (see comments).
- (5) Water right changed to permit storage in Purdy Mesa and Juniata Reservoirs, continued irrigation at historic place of use, and the use, re-use a use of the water for all municipal purposes within the Grand Junction's service area; 5.7% return flow obligation to Kannah Creek.
- (6) The City may forego diversions without risk of abandonment under senior irrigations rights for municipal use. No return flow obligation under t
- (7) Includes first and second enlargement values (3435.41 af and 5946.7 af) that were made absolute, the remaining volumes were dismissed.
- (8) Water right changed to permit continued irrigation at historic place of use, and the use, re-use and successive use of the water for all municipa within the Grand Junction's service area; 5.7% return flow obligation to Kannah Creek.
- (9) City traded shares in company to have all Grand Mesa Reservoir Company shares in single reservoir.

Direct Flow Rights Summary Table

**City of Grand Junction
Summary of Direct Flow Water Rights**

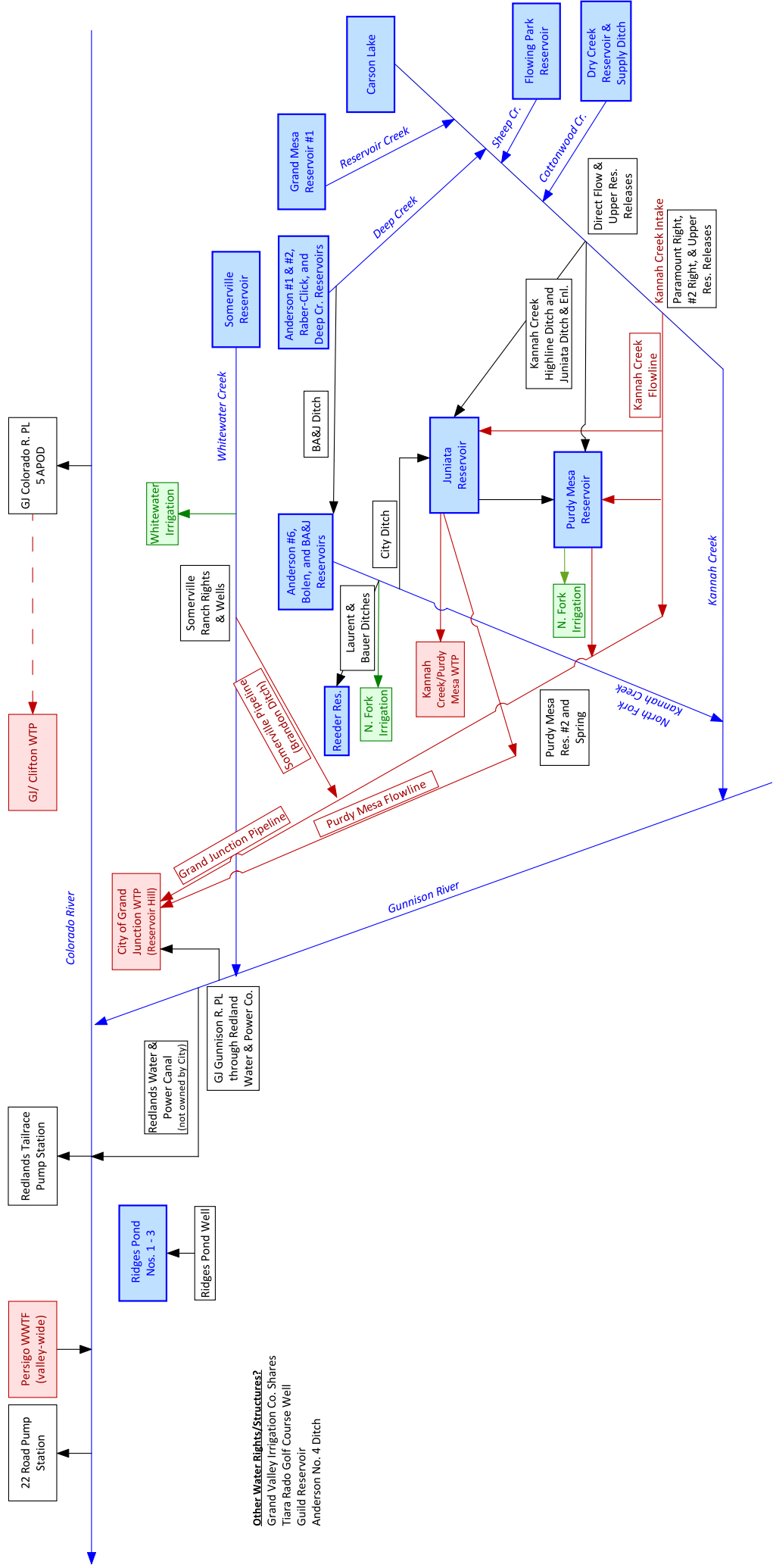
ID	Water Right Name	(1) GJ CFS	(2) Use	(3) Approp Year	Comments
North Fork Kannah Creek Water Rights					
504	Bauer Ditch and Enl.	13.18	I	1910	Original water right (1.96 cfs) TT City Ditch
		1.00	DS	1916	Combined max 1 cfs with Laurent Ditch
554	Laurent Ditch	33.72	I	1921	15.32 cfs with approp. date (1919)
		1.00	DS	1916	Combined max 1 cfs with Bauer Ditch
512	City Ditch	10.97	IM	1888	TF other senior ditches fr Anderson Acq.; can be stored in Juniata Res. system and Purdy Mesa Res.
		22.80	M	1989	Absolute; 4.2 cfs of original 27 cfs abandoned
556	Anderson No. 4 Ditch	0.29	I	1889	Still owned by city?
732	Purdy Mesa Spring	0.20	IM	1955	Conditional municipal uses; downslope from City's pipelines
(4) Kannah Creek Water Rights					
506	BA&J Ditch and Enl.	29.39	I	1922	1st priority (9.594 cfs) approp. 1901; Direct flow irrigation or storage in (BA&J Res. #2, Bolen Res. and/or Anderson #6 Res.); diverts from N. Fork Kannah drainage as well
		29.39	IMD	1993	City has data to file for absolute
573	Deep Cr Res #2 Sup D	20.00	I	1906	
513	GJ Flowline - Paramount	7.81	M	1881	Year-round use with storage
	GJ Flowline - 2nd Right	3.91	M	1929	Direct use and storage in Purdy Mesa Res.
529	Kannah Cr. Highline Ditch	18.00	IM	1908	Changed to allow municipal use and storage; monthly vol.
		6.90	I	1939	
748	Juniata Ditch	1.37	I	1884	3 APODs (Juniata Enl., Kannah Cr. Highline, & Secret Ditch)
		0.64	I	1888	
		0.06	IDS	1884	Cannot be used for storage
528	Juniata Ditch 1st Enl.	39.00	I	1939	Irr. and to storage in Purdy Mesa
		75.00	I	1953	Irr. and to storage in Juniata Res. Enl.
		129.00	M	1994	Made absolute (1999)
5035	Anderson Well	0.04	D	2010	Aug. source is GJ Flowline
5034	Berry Well	0.04	D	2010	Aug. source is GJ Flowline
Whitewater Creek Water Rights					
509	Brandon Ditch	33.40	I	1940	4.8 cfs from senior priorities TT ditch; 3.8 cfs enl. (1900 approp.); 24.8 cfs (1940 approp.)
		15.00	M	1985	2nd Enl.; conditional; have data to file for 7.83 cfs absolute
622	Somerville Ranch Irr. Sys.	3.00	IS	1882	Used on 1,000 acre ranch; 1970 adj. date
5010	Somerville Well No. 1	0.22	DS	1964	
5011	Somerville Well No. 2	0.44	DS	1964	
Gunnison River Water Rights					
520	Gunnison R. Pipeline	120.00	M	1957	Pumps on lands owned by Redlands Power Co.; obtain exchange/lease agreement
Colorado River Water Rights					
1368	Redlands Tailrace	50.00	IM	1977	18 cfs absolute & 32 cfs conditional
644	Colorado R. Pipeline	80.00	MD	1947	5 points of diversion; 6.96 cfs abs.
1367	22 Road Pump Station	1.50	IMD	1976	38.5 cfs of original 40 cfs abandoned
5086	Ridges Well No. 1	0.08	M	1978	Absolute
1501	Ridges Pumping Station	6.53	M	1964	Absolute; TF Bridges to Gardner to Ridges Pumping Station
		10.00	M	1973	Conditional; APOD diverts from Redlands Power Canal (Gunnison R.)

Notes:

- Decreed for municipal uses
- (1) Water right volume owned by the City of Grand Junction.
- (2) I – Irrigation, M – Municipal, D – Domestic, S – Stock.
- (3) Year of appropriation date or latest year with multiple water rights (see comments).
- (4) Excludes domestic ground water rights (Anderson Well and Berry Well).
- (5) The City may forego diversions without risk of abandonment under senior irrigations rights for municipal use.
- (6) Grand Junction owns 1,474.5 shares out of 4,000 shares.
Decreed for filling and refilling Grand Junction storage facilities and for municipal and augmentation uses (Case No. 85CW199).
- (8) Original water right was 100 cfs; 79.47 cfs abandoned and 14 cfs transferred to Orchard Mesa Irrigation District.

Draft Schematic of Grand Junction Water System

Preliminary Draft Schematic - For Discussion Only
Grand Junction Water Distribution
Not to Scale



Other Water Rights/Structures2
 Grand Valley Irrigation Co. Shares
 Tiara Rado Golf Course Well
 Guild Reservoir
 Anderson No. 4 Ditch