



**Request for Proposal for Engineering and Consulting Services
Water Distribution System Future Growth Study
Iowa City, Iowa**

General

The City of Iowa City desires to hire a qualified engineering firm to evaluate the Iowa City drinking water distribution system for meeting future customer needs. This evaluation will produce a final document of recommendations for system improvements, including supporting analysis documentation, maps, and improvement project estimates for implementation.

Scope of Services

General Services

1. Attend a kickoff meeting with City Public Works staff at the Water Division Water Treatment Facility to review the project scope, schedule, and fee, and to discuss key elements. The consultant's lead engineer will participate in person with other staff deemed necessary.
2. Collect maps, drawings, specifications, reports, and other pertinent information related to the water distribution and treatment system. The City of Iowa City will provide available information upon request.
3. Address the City's 25 percent, 50 percent, 75 percent, and 90 percent review comments and incorporate into the final project documents as appropriate. Attend comment review meetings with City Public Works staff after receiving 25 percent, 50 percent, 75 percent, and 90 percent review comments. Provide the City with five hard copies and one electronic copy of the final study and supporting documentation, sealed by a professional engineer licensed in the State of Iowa.

Scope of Project

1. Model, or update model of, the current water distribution system.
2. Collect and evaluate future growth and land use projections for the City of Iowa City and water customers, including types of water users by city zoning, and overall water system quantity use projections.
3. Incorporate any applicable state or federal drinking water policy changes.
4. Evaluate the distribution system as a whole for system redundancy and water age, and identify areas where redundancy and water quality could be enhanced.
5. Analyze overall system pressures and recommend improvements to meet desirable pressure ranges for entire distribution area. Identify areas that may have resulting concerns of low fire flows.
6. Identify system weaknesses due to electrical power outages (transient events) and recommend system configurations and processes to mitigate down spikes of system pressure.

7. Analyze overall storage needs of the system and evaluate future storage needs, including specific storage needs for particular city zoning areas.
8. Integrate above system evaluations and compile an overall proposed system improvement package, including any alternatives and implementation phasing recommendations. Include general sizing of any proposed infrastructure, and cost estimates for infrastructure projects and other implementation tasks.
9. Identify specific areas of energy efficiency improvements that could be integrated into the system proposal.

Project Schedule

The City desires to complete the project in a timely manner, with a final study document completed in spring 2017.

Estimate of Fees

A fee estimate and breakdown shall be included in the consultant's proposal. Hourly rates shall be included for all staff that will be expected to work on the project as described in the scope. Compensation for services will be expected to be hourly not-to-exceed compensation.

Proposal Submittal Requirements

Submittal Deadline: **Friday, August 5, 2016, at or before 5:00 pm.**

Submittal Location: City of Iowa City, City Clerk

Attn: Water Future Growth Study RFP
410 E Washington St
Iowa City, IA 52240

Submittal Copies: Three (3) paper copies and one electronic copy.

Submittals shall include the following contents at a minimum:

- 1.) Name and contact information of the engineering firm and primary contact person.
- 2.) Statement of qualifications and examples of similar experience on other projects, including references for projects.
- 3.) Proposed project schedule.
- 4.) Identification of key issues.
- 5.) List the proposed maps that would be included in the final report.
- 6.) Estimate of fees and standard hourly rates.

Submittals will be evaluated on qualifications, schedule, and fees.

Contact Information

All questions or other inquiries regarding this RFP shall be submitted to:

Scott Sovers, PE
City of Iowa City
410 E Washington St
Iowa City, Iowa 52240
Phone: 319-356-5142
Scott-sovers@iowa-city.org