

CITY COUNCIL AGENDA MEMORANDUM

SUBJECT

Resolution No. 8683 authorizing execution of a professional services agreement with RH2 Engineering, Inc. for engineering services, for the Pressure Reducing Valve (PRV) Improvements 2014 project, in the amount of \$88,715 (CIP Plan No. W-69).

FISCAL IMPACT

This contract obligates the City to pay \$88,715. This work is included in the 2013-2019 CIP. Sufficient budget exists within the Minor (Small) Water Capital Improvement Projects (CIP Plan No. W-69), to fully fund this contract.

STAFF CONTACT

Nav Ota, Director, 452-2041

Paul Bucich, Assistant Director, 452-4596

Utilities Department

POLICY CONSIDERATION

Utilities Department policies:

- The Utility shall invest resources as necessary to construct, maintain and renew water system infrastructure and equipment such that Utility customers are provided consistent, reliable service.
- Provide reliable water service for domestic use, fire flow protection, and emergencies.

Utilities Department practice:

- It is the Utilities' practice to fund minor capital improvements to the City's water system which correct minor deficiencies, improve efficiencies, or solve maintenance issues. CIP Plan No. W-69 has been designated to do this.

City Contracting policies:

- BCC 4.28 provides for the fair and equitable treatment in the purchasing process. Because the amount of the contract exceeds \$50,000, Council approval is required.

BACKGROUND

This project will install two new pressure reducing valve (PRV) stations to eliminate two single-feed water service zones. Providing a second source of water to these areas will help to provide continuous water service to these customers in the event that the single source is interrupted by an event such as a watermain break.

The water distribution system along SE Newport Way east of 164th Avenue SE is a singlefeed system with no redundant supply. Therefore if a line break were to occur east of 164th Avenue SE there would be no water supply to the 64 homes along Newport Way (Lake Hills 520 Zone), 156 homes south of SE 38th Street (Eastgate 370 Zone), and about 100 units in three multi-family complexes.

The Cougar Mountain 1150 zone is also a single-feed system and therefore is vulnerable to interruptions in water service that occur in the Cougar Mountain 1300 pressure zone. A service interruption in this zone would leave 264 homes without water.

The Utility is responsible for providing consistent reliable service and ensuring that adequate emergency provisions are in place. This means wherever practicable, connections between adjacent distribution or supply systems should be installed to improve reliability and reduce vulnerability to loss of water service for domestic use and fire protection. These new PRVs will serve the Eastgate and Cougar Mountain neighborhoods with Bellevue.

This project will consist of the installation of two pressure reducing valve (PRV) stations to create redundant water supplies to the portion of the Lake Hills 520 pressure zone east of 164th Avenue SE zone and to the Cougar Mountain 1150 pressure zone.

The consultant selection process for this project was consistent with City's policies and procedures. Consultants listed under the Commercial Meter/PRV Design & Rehabilitation service category on the Shared Procurement Portal were advised through the roster notification process to consider updating their Statement of Qualifications (SOQ's) for the upcoming selection process. Of the eighteen firms notified, two firms updated their SOQ's. In order to increase the potential number of consultants considered for this project, the SOQ's for firms listed under Commercial Meter/PRV Design & Rehabilitation and Municipal Water Systems Pipeline Design service categories were reviewed for experience with PRV design.

A total of five firms from the City's roster were invited to submit SOQ's tailored to this project. Two firms submitted SOQ's. A selection team representing engineering design and operations staff reviewed the SOQ's submitted by:

- The Blueline Group
- RH2 Engineering, Inc.

RH2 was selected as the most qualified firm because of their completion of similar-sized projects in established residential neighborhoods and experience in working in close proximity to single family homes and public outreach. This has included seven PRV rehabilitation/replacement projects and four water system inlet stations. Samples of past relevant projects include the cities of Kirkland and Redmond supply station No. S2 improvements, the city of Stanwood 125 and 242 zone conversion to 245, and the city of Renton intertie with Seattle Public Utilities.

As required by state law relating to contracts for architectural and engineering services, the City selects the consultant deemed to be most highly qualified for a given project. State law precludes using cost as a basis for selection of engineering firms.

EFFECTIVE DATE

If adopted, this Resolution will become effective immediately.

OPTIONS

1. Adopt Resolution No. 8683 authorizing execution of a professional services agreement with RH2 Engineering, Inc. for engineering services, for the Pressure Reducing Valve (PRV) Improvements 2014 project, in the amount of \$88,715 (CIP Plan No. W-69).
2. Do not adopt the Resolution and provide alternative direction to staff.

RECOMMENDATION

Adopt Resolution No. 8683 authorizing execution of a professional services agreement with RH2 Engineering, Inc. for engineering services, for the Pressure Reducing Valve (PRV) Improvements 2014 project, in the amount of \$88,715 (CIP Plan No. W-69).

MOTION

Move to adopt Resolution No. 8683 authorizing execution of a professional services agreement with RH2 Engineering, Inc. for engineering services, for the Pressure Reducing Valve (PRV) Improvements 2014 project, in the amount of \$88,715 (CIP Plan No. W-69).

ATTACHMENTS

CIP Project Description
Proposed Resolution No. 8683

AVAILABLE IN COUNCIL OFFICE

Consultant Contract

W-69 Minor (Small) Water Capital Improvement Projects

Category: **Water**
 Department: **Utilities**

Status: **Ongoing**
 Location: **Various locations throughout Water Utility's service area**

Programmed Funding

Programmed Funding	Appropriated To Date	FY 2013 Budget	FY 2014 Budget	FY 2015 Budget	FY 2016 Budget	FY 2017 Budget	FY 2018 Budget	FY 2019 Budget
6,011,052	4,238,171	232,854	239,594	246,282	252,917	259,989	267,018	274,227

Description and Scope

This ongoing program pays for small improvements to Bellevue's water system to resolve deficiencies, improve efficiencies, or resolve maintenance problems, often in conjunction with other programs such as the Transportation overlay program. Projects are prioritized based on criteria including public safety/property damage, maintenance frequency, operator safety, environmental risk, reliability and efficiency gains, coordination with other city projects or development activity, and level of service impact.

PROJECT NEED: System Renewal and Replacement

Rationale

These improvements correct unanticipated minor deficiencies or maintenance problems of the existing system. This program allows the City to efficiently maintain and upgrade its water system by coordinating minor improvements with other City projects and maintenance activities. These projects are too small to justify their own CIP projects, don't fit within the scope of other water CIP programs, and sometimes cannot be anticipated. The budget is based on average historical need.

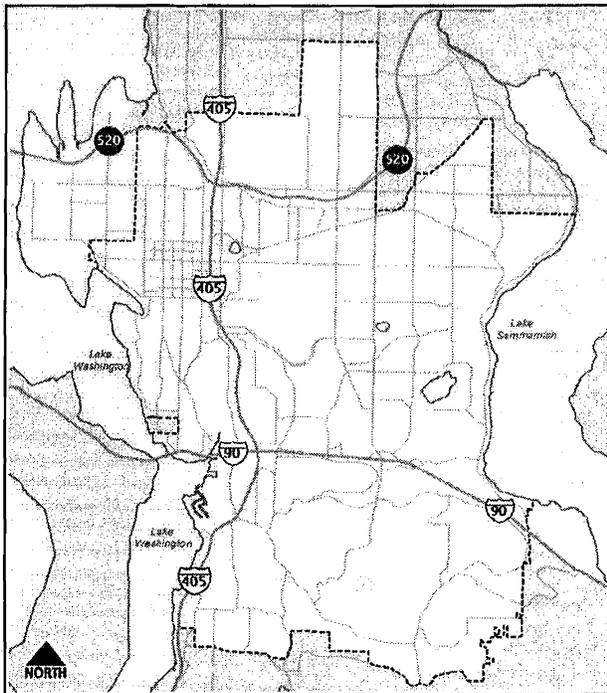
Environmental Impacts

The environmental impacts and State Environmental Protection Act (SEPA) requirements will be determined for each specific project, but are generally exempt.

Operating Budget Impacts

This project will have no impact on operating revenues (and/or) expenditures.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Project Costs	1991 - 2019	6,011,052

Total Budgetary Cost Estimate: 6,011,052

Means of Financing

Funding Source	Amount
Miscellaneous Revenue	151,000
Utility Rates/Fees	5,860,052

Total Programmed Funding: 6,011,052

Future Funding Requirements: 0

Comments

This project is located throughout the service area.

CITY OF BELLEVUE, WASHINGTON

RESOLUTION NO. 8683

A RESOLUTION authorizing the execution of a professional services agreement with RH2 Engineering, Inc., in an amount not to exceed \$88,715, for engineering services for the Pressure Reducing Valve (PRV) Improvements 2014 Project (CIP Plan No. W-69).

THE CITY COUNCIL OF THE CITY OF BELLEVUE, WASHINGTON, DOES RESOLVE AS FOLLOWS:

Section 1. The City Manager or his designee is hereby authorized to execute a professional services agreement with RH2 Engineering, Inc., in an amount not to exceed \$88,715, for engineering services for the Pressure Reducing Valve (PRV) Improvements 2014 Project (CIP Plan No W-69), a copy of which agreement has been given Clerk's Receiving No. _____.

Passed by the City Council this _____ day of _____, 2014, and signed in authentication of its passage this _____ day of _____, 2014.

(SEAL)

Claudia Balducci, Mayor

Attest:

Myrna L. Basich, City Clerk