Saint Paul Regional Water Services November 14, 2017

STAFF REPORT

SUBJECT

BOARD RESOLUTION NO. 17-1821
Pertaining to an agreement with Bolton & Menk, Inc. to provide an assessment of the Board's Centerville Water Supply Source.

BACKGROUND INFORMATION

Staff is seeking approval of a $66,740 professional services agreement with Bolton & Menk to perform a system assessment of the Board's Centerville water supply source. This supply system was developed in the late 1800's and has not been in use for the last 30 years. The study's findings will assist the Board in determining the future of the system.

Following Board approval, City Contracts and Analysis will prepare for execution a Professional Services Agreement, which will include the City's standard terms and conditions, liability and insurance requirements, and the following:

Cost: Not to exceed $66,740

Term: November 1, 2017 - July 31, 2018

Attachments:
Report
Location Map
Project Approach and Schedule from the Bolton & Menk Proposal

RECOMMENDATION

Approval is recommended.

REPORT
Centerville Water Supply Source Assessment

November 14, 2017

A Request for Proposals was advertised by the City of Saint Paul Contract and Analysis Services. Seven proposals were received, reviewed, and scored by a SPRWS selection committee. The following provides a summary of the scoring and proposal costs of the seven reviewed firms:

Criteria	Max Points	AECOM	Black & Veatch	Bolton & Menk	Brierley Assoc	CDM Smith	GEI	TKDA
1. Experience and Qualifications	200	195	195	200	185	193	191	195
2. Related Project and Company Experience	150	136	135	144	138	139	125	133
3. Understanding and Approach	350	111	200	350	231	219	225	150
4. Proposal Cost	300	236	198	206	92	234	300	256
Total Score:	1000	678	728	**900**	646	785	841	734
Cost		$49,740	$59,000	$ 56,740	$126,911	$50,000	$38,972	$ 45,700
Optional Hydraulic Model		*	*	$ 10,000	Included	**	**	$60K-$80K
Total Cost				**$ 66,740**	$126,911			$105,700 - $125,700

* Not suggested in proposal
** Suggested in proposal, but no quote provided

Bolton & Menk proposed the additional service of constructing an hydraulic model of the watershed which would provide a more accurate estimate of water availability, including lake levels and stream flows over time. This information will be valuable in determining the sustainability of this water supply source. The cost of the additional modeling is $10,000, which would bring the total not to exceed cost to $66,740.

Bolton & Menk received the highest score among the proposers, who were all rated on experience, project approach and cost. Staff believes that their approach, which included a condition assessment of the infrastructure and consideration of whether the sustainability of the water source and quality of the source is suitable, was the most comprehensive.

Scope of Work:

1. Conduct Field Condition Assessment
   A cursory condition assessment of the raw water conduits of Centerville, Otter and Deep Lakes as well as the pumping station, intake structure and other related structures

2. Assess Resource Availability and Impacts
   (a) A watershed analysis to estimate the availability of water from this source and will characterize the water quality from this source as a drinking water supply source

   (b) HEC-RAS Hydraulic Model (*optional $10,000 service*)
   An accurate estimate of water availability including lake levels and stream flows over time

3. Evaluate Considerations to Keep System Operational

4. Evaluate Considerations to Decommission System
   Including the risk of taking no action

5. Evaluate Potential Land Use of Conduit ROW

6. Present Final Report