



City of Madison

City of Madison
Madison, WI 53703
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Master

File Number: 77836

File ID: 77836

File Type: Resolution

Status: Items Referred

Version: 1

Reference:

Controlling Body: FINANCE
COMMITTEE

File Created Date : 05/10/2023

File Name: Authorizing Madison Water Utility to use Water Well Solutions, LLC as a sole source provider of a Lamnaflo device and its installation in Unit Well 14, a water supply well.

Final Action:

Title: Authorizing Madison Water Utility to use Water Well Solutions, LLC as a sole source provider of a Lamnaflo device and its installation in Unit Well 14, a water supply well.

Notes:

Sponsors: Charles Myadze

Effective Date:

Attachments: Item 3 - Attachment - Water Well Solutions - Non-Competitive Selection Request - CC Approval Required April 2023.pdf

Enactment Number:

Author: Joe DeMorett, Water Supply Manager, Madison Water Utilit

Hearing Date:

Entered by: ajones@madisonwater.org

Published Date:

Related Files:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	Water Utility	05/10/2023	Referred for Introduction				
	Action Text: This Resolution was Referred for Introduction						
	Notes: Finance Committee (5/22/23), Water Utility Board (5/23/23), Common Council (6/6/23)						
1	COMMON COUNCIL	05/16/2023	Refer	FINANCE COMMITTEE			Pass
	Action Text: A motion was made by Currie, seconded by Figueroa Cole, to Refer to the FINANCE COMMITTEE. The motion passed by voice vote/other.						

Text of Legislative File 77836

Fiscal Note

The proposed resolution authorizes a sole source agreement for purchase of a Lamnaflo flow control system and its installation at Unit Well 14. The estimated cost is \$105,000. Funding is available in Munis 11900-86-140. No additional appropriation is required.

Title

Authorizing Madison Water Utility to use Water Well Solutions, LLC as a sole source provider of a Lamnaflo device and its installation in Unit Well 14, a water supply well.

Body

WHEREAS, Madison Water Utility completed an initial phase of a water quality/borehole characterization study at Unit Well 14 which determined that the well draws the majority of its water from the shallower, upper aquifer compared to the deeper, lower aquifer, resulting in elevated sodium and chloride levels; and

WHEREAS, in 2022 the Utility, working with SCS Engineers, under non-pumping conditions, completed additional water sampling within the borehole at depths representing the deeper, lower aquifer, which upon testing, demonstrated that the lower aquifer water had lower concentrations of sodium and chloride; and

WHEREAS, the Utility continued this investigation in 2023 by hiring a licensed municipal well driller to rehabilitate the borehole both chemically and mechanically and then sample the well at lower aquifer depths again but under “pumping” conditions, which required special down hole sampling equipment; and

WHEREAS, it was consequently determined that sodium and chloride levels at this well can be reduced significantly by drawing more of its water from the lower aquifer and less from the upper aquifer utilizing a flow control system in the well; and

WHEREAS, Water Well Solutions Wisconsin LLC is the only vendor that can provide and install the specific flow control system (Lamnaflo) deemed necessary in increasing/decreasing flow at preferable levels within a well, thus reducing the sodium and chloride levels in its Unit Well 14;

NOW, THEREFORE, BE IT RESOLVED, that the Common Council hereby authorizes Madison Water Utility to enter into a sole source agreement with Water Well Solutions Wisconsin, LLC as a sole source provider for a Lamnaflo flow control system and its installation in Unit Well 14, a water supply well.