



AGENDA

**Utility Commission Regular
Meeting**

Monday, July 10, 2023

5:30 PM

Conference Room, City Hall

- 1. CALL TO ORDER**
- 2. ADDITIONS OR CORRECTIONS TO AGENDA**
- 3. AUDIENCE INPUT**
- 4. APPROVAL OF MINUTES**
 - a. April 24, 2023 Utility Commission Meeting Minutes
- 5. PUBLIC HEARINGS**
- 6. OLD BUSINESS**
 - a. Water Efficiency & Stormwater Rebate Update
- 7. NEW BUSINESS**
 - a. Well Manganese Sampling Report & Operational Modification Recommendations – Minnesota Department of Health
- 8. EXECUTIVE DIRECTOR'S REPORT**
 - a. Well Pumping Report
 - b. Action Item / Issues list
 - c. Set Next Meeting Agenda for September 25, 2023
- 9. ADJOURNMENT**

**UTILITY COMMISSION
REGULAR MEETING MINUTES
April 24, 2023**

CALL TO ORDER

Pursuant to due call and notice thereof the regular Utility Commission meeting of the City of Rosemount was called to order on April 24, 2023, at 5:32 p.m. in the Conference Room, City Hall, 2875 145th Street West, Rosemount.

Attendees included: Commission Chair Greg Johnson, and Commissioners Vanessa Demuth and Laura Miller.

Staff present included the following:

Mayor Weisensel, City Administrator Martin, Public Works Director Egger, and Recording Secretary Simonson.

ADDITIONS OR CORRECTIONS TO AGENDA

None.

ANNUAL MEETING

3.a Issuance of Oath – Commissioner Vanessa Demuth

Mayor Weisensel administered the oath.

AUDIENCE INPUT

None.

APPROVAL OF MINUTES

5.a. November 28, 2022 Utility Commission Meeting Minutes

Motion by Demuth, **Second** by Miller

Motion to approve the minutes of November 28, 2022 Utility Commission Meeting

Ayes. 3.

Nays. 0. Motion carried.

PRESENTATION

None.

PUBLIC HEARINGS

None.

OLD BUSINESS

8.a. 2022 Water Efficiency and Stormwater Rebate Recap

Public Works Director Egger presented the 2022 water efficiency and stormwater rebate numbers and discussed with Commissioners. It was noted that the Homeowners Association (HOA) irrigation audits have produced the biggest savings in water consumption. The City will continue to promote the Water Efficiency and Stormwater Rebates.

NEW BUSINESS

9.a. Discussion with Parks Department – Opportunities for Additional Water Conservation

Parks and Recreation Director Dan Schutlz discussed with Commissioners the ways the Parks and Recreation department is working to reduce water usage in parks throughout the City while maintaining the balance with athletic field maintenance and demands. Currently the City has 30 parks in which only 13 parks are irrigated.

The City is working to reduce the amount of turf area by creating native planting areas, irrigating only the athletic fields and using smart irrigation systems for the large complexes, regularly inspecting and maintaining the irrigation systems, choosing the right grass seed for athletic fields based on the soil in each location, and continuing to research options to reduce water usage and maintenance.

EXECUTIVE DIRECTOR'S REPORT

10.a. City & Development Project Update

Director Egger provided a brief update of the projects around town. Commissioners inquired as to how the City monitors the water usage capacity with all the new developments. It was noted that as development projects come in, numbers are input into a systems model to obtain numbers for water usage.

10.b. Well Pumping Reports – Q4 (2022) & Q1 (2023)

Director Egger went over the well pumping reports for Q4 of 2022 and Q1 of 2023. Well 7 was run in January for testing and cycling.

10.c. 10-year Summary of Water Usage

Commissioners reviewed and discussed the 10-year summary of water usage from 2012 to 2022.

10.d. Top 10 Water Users Listing

Director Egger reviewed the top 10 water users in the City in 2022.

10.e. Advanced Metering Infrastructure Installation

Director Egger provided an update on the status of the installation of the Advanced Metering Infrastructure (AMI) system. The AMI system is a two-way radio system that collects water use data from meters throughout the community.

10.f. 2024 Budget Proposal – Smart Meter Discount Purchase Program

Commissioners discussed creating a smart meter discount purchase program in 2024. The City would purchase smart meters in bulk and sell to residents at a discount. Additional research and discussion will be needed before recommending this program.

8.c. Set Meeting Agenda for June 26, 2023

- i. Well Sampling Report & Operational Modification Recommendations – Minnesota Department of Health

ADJOURNMENT

There being no further business to come before the Utility Commission and upon a motion by Demuth and a second by Miller the meeting was adjourned at 7:42 p.m.

Respectfully submitted,

Amy Simonson
Recording Secretary

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AGENDA ITEM: Water Efficiency & Stormwater Rebate Update	AGENDA SECTION: OLD BUSINESS
PREPARED BY: Jane Byron, Stormwater Specialist Amy Simonson, Public Works Office Specialist	AGENDA NO. 6.a.
ATTACHMENTS: 2023.07.10 Water Efficiency and Stormwater Rebate Update	APPROVED BY:
RECOMMENDED ACTION: None	

BACKGROUND

Summary and updates on the Water Efficiency Rebate and Stormwater Rebate program activity.

RECOMMENDATION

None

Quarterly Water Efficiency Rebate Update:

The City of Rosemount was awarded a Water Efficiency Grant from the Metropolitan Council (MCES) in the amount of \$34,000 for the 2022-24 grant cycle.

As part of this program, the following rebate amounts are allowed:

- \$50 for Water Sense Toilets
- \$150 for Energy Star Washers
- \$150 for Energy Star Dishwashers
- \$150 for Water Sense Irrigation Controllers
- \$200 for Irrigation system audits

The City also partners with the Vermilion River Joint Powers Organization (VRWJPO) to offer funding to multi-family residential properties for low-cost irrigation audits and improvement cost share grants through this funding source. Under the program, HOAs pay \$50 towards the cost of an audit, a savings of several thousand dollars, and are eligible for grants up to 80% of the cost, not to exceed \$1500, for WaterSense improvements recommended in the audit reports. Match dollars for the MCES Grant are split between the City and the VRWJPO, with the VRWJPO handling the management and hiring of the irrigation auditor, and the City managing the WaterSense improvement grant. The City and VRWJPO also provide a grant for non WaterSense audit recommended improvements up to 20% not to exceed \$500. Previous audits through the program have shown HOAs are wasting on average 1 Mgal/yr at a cost of \$4,146 per year on inefficient irrigation.

HOA irrigation audit participants have been selected for 2023 and are currently in the process of being audited. City staff emails the top 10 HOA water users in the spring of each year about the program to encourage interest. The program is also advertised on the City website on its “Rebates & Assistance Programs” page www.RosemountMN.gov/rebates, has been presented to the HOA Leadership Network <https://hoaleadershipnetwork.org/>, and shared with HOAs during other staff/resident contacts. The City has also opened the program up to other multi-family properties that don’t have a governing HOA, such as apartments, through a recent agreement amendment with the VRWJPO.

Table 1 provides a summary of the entire rebate program activity.

Table 1	2020	2021	2022	2023
Gallons of Water Saved Annually (est.)	386,800	200,200	*1,665,936	158,800
Total Rebate	\$4,971.67	\$3,790.26	\$20,436.74	\$2,879.64
Municipality Contribution (25%)	\$1,242.92	\$911.15	\$10,902.94	\$719.91
Irrigation Controllers Replaced:	35	1	18	13
Toilets Replaced:	6	1	7	5
Clothes Washers Replaced:	8	1	5	5

Dishwashers Replaced	0	0	0	3
Audits (Residential):	1	0	0	0
Commercial Audit In a partnership with the Vermillion River Watershed Joint Powers Organization (VRWJPO) on their Urban Water Conservation Program. 2021 Municipality Contribution partially provided by Stormwater Utility.	6			2 (pending)

**Includes commercial audit annual water savings*

Quarterly Stormwater Rebate Update:

In May 2019, the Utility Commission recommended City Council adopt a rebate program for residents to install projects on their property to improve stormwater quality and reduce runoff volume. In March 2020, City Council approved the Stormwater Rebate Policy and established a maximum amount of \$5,000.

Table 2 provides a summary of the entire rebate program activity.

Table 2	2020	2021	2022	2023
Total Rebate	\$0	\$147.85	\$77.50	\$951.86
Rain Barrels:	\$0	\$86.94	\$77.50	\$0
Cisterns & Rainwater Harvesting:	\$0	\$0	\$0	\$0
Raingardens:	\$0	\$0	\$0	\$951.86
Native Plantings:	\$0	\$60.91	\$0	\$0
Buffers:	\$0	\$0	\$0	\$0
Stormwater Reuse:	\$0	\$0	\$0	\$0
Permeable Pavers & Pavements	\$0	\$0	\$0	\$0

Here is a summary of advertisements of the program in 2023:

- Conserve & Preserve Blog Post <https://ci.rosemount.mn.us/preserve>
- The City Newsletter
- Information at Home & Business Expo in March
- Included in course materials for Landscaping for Clean Water Workshops
- Individual staff contacts with residents
- City staff presence for Q&A at some of the Landscaping for Clean Water Workshops.
- Information at Leprechaun Days Midsummer Faire July 28 & 29
- Summer utility insert

Staff will continue to publicize these programs via social media, city newsletters, staff updates and additional methods.

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AGENDA ITEM: Well Manganese Sampling Report & Operational Modification Recommendations – Minnesota Department of Health	AGENDA SECTION: NEW BUSINESS
PREPARED BY: Nick Egger, Public Works Director	AGENDA NO. 7.a.
ATTACHMENTS: Manganese Sampling Results - Feb 2023	APPROVED BY: NAE
RECOMMENDED ACTION: Informational/Discussion	

BACKGROUND

City staff and representatives from the Minnesota Department of Health will summarize findings of the sampling regimen from early 2023. Attached are graphs of and charts of manganese level readings. Staff and MDH will explain in further detail during the Commission meeting, and discuss the MDH's guidance/recommendations for adjusting pumping patterns to promote in-system water source blending.

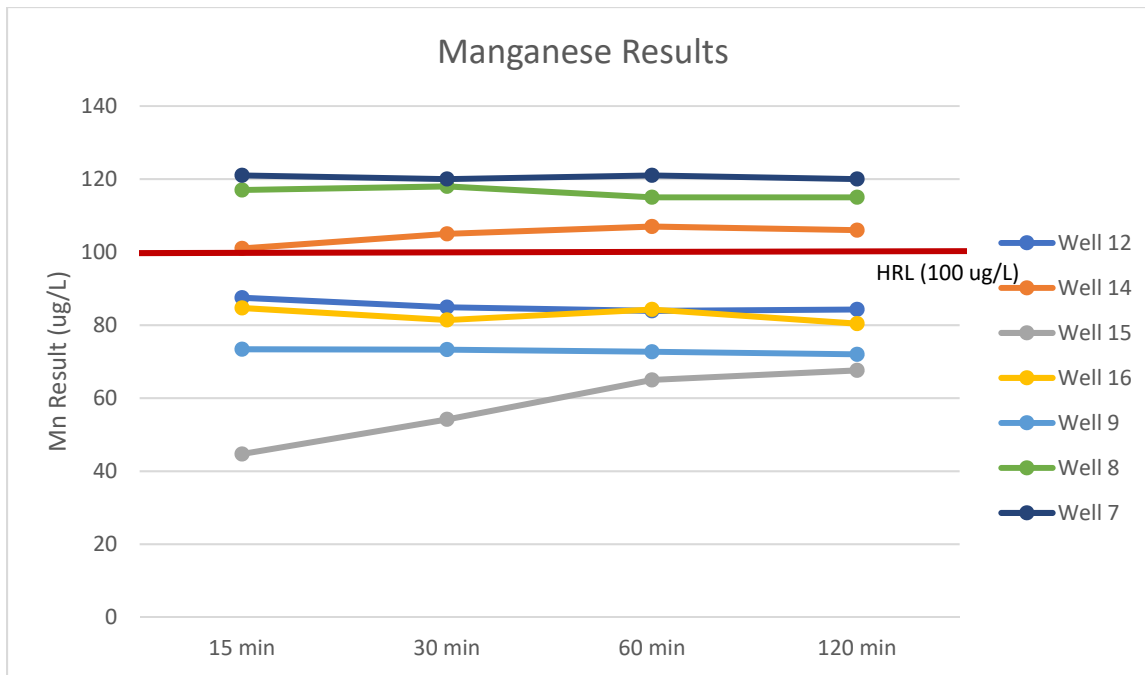
RECOMMENDATION

No action necessary.

Rosemount Sampling Results

Manganese (ug/L):

	Well 12	Well 14	Well 15	Well 16	Well 9	Well 8	Well 7
15 min	87.5	101.0	44.7	84.7	73.4	117.0	121.0
30 min	84.9	105.0	54.2	81.4	73.3	118.0	120.0
60 min	83.9	107.0	65.0	84.3	72.7	115.0	121.0
120 min	84.3	106.0	67.60	80.4	72.0	115.0	120.0



2023 Well Pumping Record

GPM	1,200	1,235	1,600	1,500	1,500	1,500	2,000	500	500				Precipitation			
2023	Well 7	Well 8	Well 9	Well 12	Well 14	Well 15	Well 16	Rural 1	Rural 2	2023 Total	2022 Total	% Change	2022	2023	Diff	
Jan	6,000	1,477,000	15,504,000	3,000	0	22,174,000	0	2,610,000	2,399,000	44,173,000	43,605,500	1.3%	0.64	2.25	1.61	
Feb	0	10,390,000	6,719,000	243,000	278,000	8,855,000	11,247,000	2,278,000	2,073,000	42,083,000	44,728,400	-5.9%	0.78	2.23	1.45	
Mar	0	13,464,000	6,092,000	57,000	8,047,000	0	14,560,000	2,479,000	2,413,000	47,112,000	47,224,000	-0.2%	2.95	2.72	-0.23	
Q1 Total	6,000	25,331,000	28,315,000	303,000	8,325,000	31,029,000	25,807,000	7,367,000	4,472,000	130,955,000	132,555,900	-1.2%	4.37	7.20	2.83	
Apr	0	0	9,463,000	7,763,000	12,217,000	11,795,000	235,000	2,589,000	2,311,000	46,373,000	44,602,300	4.0%	3.99	2.39	-1.60	
May	0	8,653,000	13,881,000	28,378,000	5,451,000	136,728,000	16,530,000	3,865,000	3,909,000	217,395,000	91,616,800	137.3%	3.33	1.62	-1.71	
Jun	0	40,107,000	761,000	15,061,000	44,321,000	0	31,427,000	3,068,000	3,234,000	137,979,000	162,212,500	-14.9%	1.13	0.93	-0.20	
Q2 Total	0	48,760,000	24,105,000	51,202,000	61,989,000	148,523,000	48,192,000	9,522,000	9,454,000	401,747,000	298,431,600	34.6%	8.45	4.94	-3.51	
Jul										0	191,696,000	-100.0%	1.18		-1.18	
Aug										0	140,897,000	-100.0%	4.27		-4.27	
Sep										0	137,959,000	-100.0%	0.24		-0.24	
Q3 Total	0	0	0	0	0	0	0	0	0	0	470,825,000	-100.0%	5.69	0.00	-5.69	
Oct										0	87,864,000	-100.0%	0.24		-0.24	
Nov										0	46,602,000	-100.0%	2.40		-2.40	
Dec										0	50,371,000	-100.0%	1.82		-1.82	
Q4 Total	0	0	0	0	0	0	0	0	0	0	184,837,000	-100.0%	4.46	0.00	-4.46	
Total	6,000	74,091,000	52,420,000	51,505,000	70,314,000	179,552,000	73,999,000	16,889,000	16,339,000	535,115,000	1,089,651,500	-50.9%	22.97	12.14	-10.83	
Average/Mo	1,000	12,348,500	8,736,667	8,584,167	11,719,000	29,925,333	12,333,167	2,814,833	2,785,200	89,247,867	90,803,911	-1.7%				
Average/Day	16	202,989	143,616	141,110	192,641	491,923	202,737	46,271	44,764	1,466,068	2,985,347	-50.9%				
Year To-Date											535,115,000	433,989,500	23.3%	22.97	12.14	-10.83