

AGENDA
SHAKOPEE PUBLIC UTILITIES COMMISSION
REGULAR MEETING
OCTOBER 7, 2019

1. **Call to Order** at 5:00pm in the SPUC Service Center, 255 Sarazin Street.
2. **Approval of Minutes**
3. **Communications**
 - 3a) Kissimmee Utility Authority Letter
4. **Approve the Agenda**
5. **Approval of Consent Business**
6. **Bills: Approve Warrant List**
7. **Liaison Report**
8. **Reports: Water Items**
 - 8a) Water System Operations Report – Verbal
 - C=> 8b) Quarterly Nitrate Results
 - 8c) 2018 Comprehensive Water System Plan - Update
 - 8d) Rahr Looping Project – Rock Removal Costs - Update
9. **Reports: Electric Items**
 - 9a) Electric System Operations Report – Verbal
 - 9b) MMPA Board Meeting Public Summary – September 2019
 - 9c) Lake City Mutual Aid Request
10. **Reports: Human Resources**
11. **Reports: General**
 - C=> 11a) SPU focus Newsletter – Autumn 2019
 - C=> 11b) Website Analytics – Quarterly Review
12. **New Business**
13. **Tentative Dates for Upcoming Meetings**
 - Mid Month Meeting -- October 21
 - Regular Meeting -- November 4
 - Mid Month Meeting -- November 18
 - Regular Meeting -- December 2
14. **Adjourn to 10/21/19** at the SPU Service Center, 255 Sarazin Street

MINUTES
OF THE
SHAKOPEE PUBLIC UTILITIES COMMISSION
(Regular Meeting)

President Joos called the regular session of the Shakopee Public Utilities Commission to order at the Shakopee Public Utilities meeting room at 5:00 P.M., September 16, 2019.

MEMBERS PRESENT: Commissioners Joos, Amundson, Meyer, Clay and Mocol. Also present, Liaison Lehman, Planning & Engineering Director Adams, Electric Superintendent Drent and Marketing/Customer Relations Director Walsh.

Motion by Clay, seconded by Amundson to approve the minutes of the September 3, 2019 Commission meeting. Motion carried.

Under Communications, President Joos presented a letter from the Shakopee Diversity Alliance thanking SPU for their annual donation.

President Joos offered the agenda for approval.

Motion by Mocol, seconded by Clay to approve the agenda as presented. Motion carried.

Motion by Meyer, seconded by Amundson to approve the Consent Business agenda as presented. Motion carried.

President Joos stated that the Consent Items were: Item 11a: Financial Results – August 2019.

The warrant listing for bills paid September 16, 2019 was presented.

Motion by Meyer, seconded by Mocol to approve the warrant listing dated September 16, 2019 as presented. Motion carried.

Liaison Lehman stated there was no report.

Planning and Engineering Director Adams provided a report of current water operations. The hydrant flushing operation has been completed in downtown Shakopee. The crews will now flush in the east part of town. Construction updates were provided.

Mr. Adams reviewed the Water Storage Tower #8 Planning Commission meeting held on September 5. The CUP and rezoning items will be placed on the October 1 City Council meeting.

The Water Storage Tower #8 Design Report was presented by John Karwacki, consultant with Sambatec Engineers. The design style, purpose, costs and proposed schedule were reviewed.

Motion by Meyer, seconded by Mocol to proceed with the project with a spheroid tank design for Water Tower #8. Motion carried.

The Rahr watermain looping project rock removal cost issue was updated by Mr. Adams. It was discussed there was culpability with each of the three entities involved in the project. Negotiating a reduction in the cost has been unsuccessful with WSB, acting in SPU's behalf.

Motion by Clay, seconded by Mocol to provide the soil boring report and any further pertinent information to the next Commission meeting. Motion failed 2-3.

Motion by Meyer to pay the invoice for the rock excavation. Motion taken off the table by Commission Meyer.

The Commission directed Staff to meet with Ryan Contracting and WSB in an attempt to renegotiate the cost of the excess rock removed for the project.

Electric Superintendent Drent provided a report of current electric operations. There were two electric outages that affected 3 customers. One was caused by a squirrel and the other by a downed tree. Construction updates were provided. The crew sent to Florida to assist in Hurricane Dorian outages, came home without being deployed in Kissimmee. Also due to the Hurricane, the MN Lineworker's Rodeo was rescheduled for October.

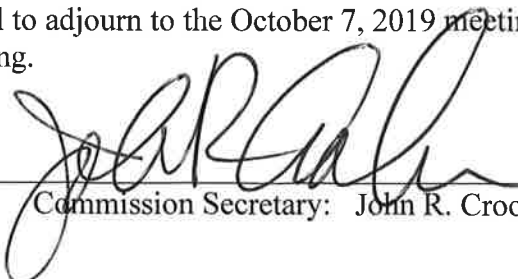
The MMPA Board Meeting Public Summary for August 2019 was read by President Joos.

Item 11a: Financial Results – August 2019 was received under Consent Business.

Under New Business three items were brought up. President Joos thanked the SPU employees for the work in setting up the annual Employee Appreciation Picnic. Commissioner Meyer referred to a customer who believes he does not have to pay for his utilities service due to his sovereign nation status. Commissioner Meyer asked for security policies/protocol to be brought back to a future Commission meeting. Liaison Lehman asked that staff look into specific contact language for areas with shallow bedrock in Shakopee.

The tentative commission meeting dates of October 7 and October 21 were noted.

Motion by Meyer, seconded by Mocol to adjourn to the October 7, 2019 meeting. Motion carried, with Commissioner Clay dissenting.


Commission Secretary: John R. Crooks



BOARD OF DIRECTORS

Jeanne Van Meter, *Chairman*
Kathleen Thacker, *Vice Chairman*
Ethel Urbina, *Secretary*
Manuel Ortega, *Assistant Secretary*
Rae Hemphill, *Director*
Jose Alvarez, *Mayor/Ex-Officio Director*

*Kissimmee Utility Authority
1701 W. Carroll Street
Kissimmee, Florida 34741-3219
407-933-7777
FAX 407-933-2655*

September 11, 2019

Mr. John Crooks
Shakopee Public Utilities Commission
255 Sarazin St
Shakopee, MN 55379

Dear Mr. Crooks,

On behalf of the Kissimmee Utility Authority Board of Directors and our customers, we want to take this opportunity to personally thank you and the dedicated employees of the Shakopee Public Utilities Commission for your willingness to provide mutual aid support to us while we were bracing for the potential impact of Hurricane Dorian. While our community was spared the devastation of the storm due to its late tracking change, others were not as fortunate. Our community is currently working on ways to provide aid to those who were impacted by Hurricane Dorian, just as you did for us.

We cannot thank you enough for your quick response to our request. Please know that KUA and most importantly, our citizens, are most appreciative for all your support.

Please express our sincere appreciation to all of your employees who assisted us.

Sincerely yours,

A handwritten signature in blue ink that reads "Jeanne Van Meter".

Jeanne Van Meter
Chairman
Kissimmee Utility Authority
Board of Directors

A handwritten signature in blue ink that reads "Jose Alvarez".

Jose Alvarez
Mayor/Ex-Officio Director
Kissimmee Utility Authority
Board of Directors

**SHAKOPEE PUBLIC UTILITIES COMMISSION**

“Lighting the Way - Yesterday, Today and Beyond”

Proposed As Consent

MEMORANDUM

TO: John R. Crooks, Utilities Manager

FROM: Lon R. Schemel, Water Superintendent

SUBJECT: Nitrate Results Update -- Advisory

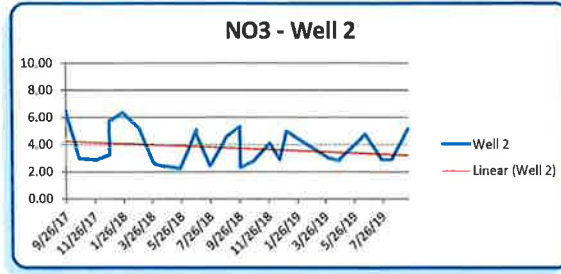
DATE: October 3, 2019

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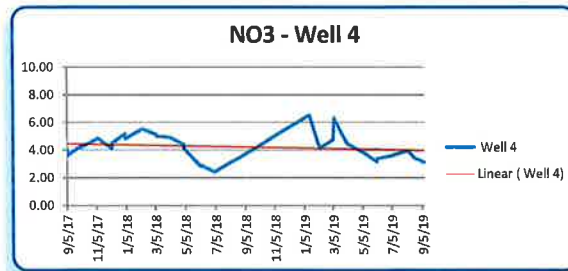
Attached are the latest nitrate test results for the wells. The analyses provided are for the prior 2 years of data collected with trend graphs.

Shakopee Public Utilities Commission
 Water Department
 Nitrate Results
 Reported in mg/L

Location	Sample Collected	Results Received	Results	Lab	Run Time
2	9/26/17	10/4/17	6.42	MVTL	168 hrs prior
2	9/26/17	10/20/17	6.30	MDH	
2	10/24/17	11/17/17	3.00	MVTL	168 hrs prior
2	11/28/17	12/11/17	2.90	MVTL	168 hrs prior
2	12/26/17	1/9/18	3.28	MVTL	168 hrs prior
2	12/26/17	2/20/18	5.70	MDH	
2	1/23/18	2/20/18	6.32	MVTL	168 hrs prior
2	2/27/18	3/9/18	5.14	MVTL	168 hrs prior
2	3/27/18	5/31/18	2.70	MDH	
2	4/3/18	4/10/18	2.55	MVTL	168 hrs prior
2	4/24/18	5/9/18	2.37	MVTL	168 hrs prior
2	5/22/18	5/31/18	2.21	MVTL	168 hrs prior
2	5/22/18	6/14/18	2.20	MDH	
2	6/26/18	7/2/18	5.07	MVTL	312 hrs prior
2	6/26/18	8/17/18	4.70	MDH	
2	7/24/18	8/17/18	2.41	MVTL	264 hrs prior
2	8/28/18	10/15/18	4.57	MVTL	168 hrs prior
2	9/25/18	10/15/18	5.30	MVTL	168 hrs prior
2	9/26/18	10/15/18	2.30	MDH	
2	10/23/18	11/7/18	2.76	MVTL	168 hrs prior
2	11/27/18	12/5/18	4.12	MVTL	168 hrs prior
2	12/18/18	12/26/18	2.89	MVTL	168 hrs prior
2	12/18/18	1/14/19	2.90	MDH	
2	1/2/19	1/14/19	4.97	MVTL	168 hrs prior
2	4/1/19	7/11/19	3.00	MDH	
2	4/23/19	5/1/19	2.84	MVTL	168 hrs prior
2	4/23/19	5/17/19	2.90	MDH	
2	5/21/19	5/29/19	3.83	MVTL	168 hrs prior
2	6/18/19	7/3/19	4.74	MVTL	168 hrs prior
2	7/23/19	7/29/19	2.89	MVTL	168 hrs prior
2	8/13/19	8/23/19	2.90	MVTL	168 hrs prior
2	9/17/19	10/3/19	5.16	MVTL	168 hrs prior



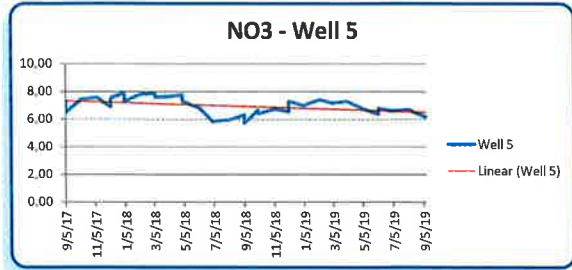
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4	9/5/17	9/26/17	3.60	MDH	
4	10/3/17	10/20/17	4.29	MVTL	168 hrs prior
4	10/3/17	11/17/17	4.20	MDH	
4	11/7/17	3/2/18	4.83	MVTL	168 hrs prior
4	12/5/17	12/22/17	4.12	MVTL	192 hrs prior
4	12/5/17	1/8/18	4.50	MDH	
4	1/2/18	1/16/18	5.15	MVTL	168 hrs prior
4	1/2/18	2/20/18	4.80	MDH	
4	2/6/18	2/20/18	5.50	MVTL	168 hrs prior
4	3/6/18	3/26/18	5.09	MVTL	168 hrs prior
4	3/6/18	3/26/18	5.00	MDH	
4	4/3/18	4/10/18	4.89	MVTL	168 hrs prior
4	5/1/18	5/9/18	4.40	MVTL	168 hrs prior
4	5/1/18	6/26/18	4.10	MDH	
4	6/5/18	6/14/18	2.80	MVTL	168 hrs prior
4	6/5/18	7/18/18	2.90	MDH	
4	7/3/18	11/19/18	2.40	MDH	168 hrs prior
4	1/15/19	1/29/19	6.50	MVTL	168 hrs prior
4	2/5/19	2/12/19	4.16	MVTL	168 hrs prior
4	3/5/19	3/14/19	4.76	MVTL	168 hrs prior
4	3/5/19	3/29/19	4.80	MDH	
4	3/7/19	3/25/19	6.30	MDH	168 hrs prior
4	4/2/19	4/11/19	4.48	MVTL	168 hrs prior
4	5/7/19	5/14/19	3.82	MVTL	168 hrs prior
4	6/4/19	6/21/19	3.14	MVTL	168 hrs prior
4	6/4/19	7/11/19	3.40	MDH	
4	7/2/19	7/24/19	3.57	MVTL	168 hrs prior
4	8/6/19	8/23/19	3.95	MVTL	168 hrs prior
4	8/20/19	8/27/19	3.44	MVTL	168 hrs prior
4	9/9/19	10/3/19	3.11	MVTL	168 hrs prior



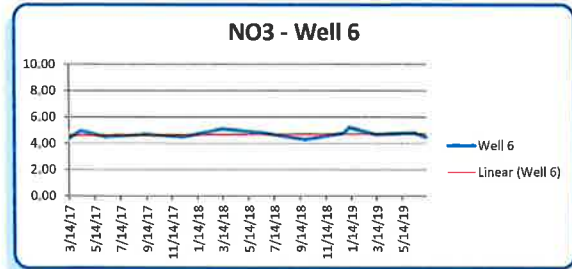
MVTL = Minnesota Valley Testing Laboratories
 MDH = Minnesota Department of Health
 TCWC = Twin City Water Clinic

Shakopee Public Utilities Commission
Water Department
Nitrate Results
Reported in mg/L

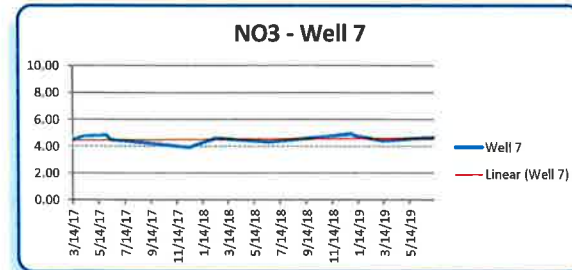
Location	Sample Collected	Results Received	Results	Lab	Run Time
5	9/5/17	9/26/17	7.27	MVTL	168 hrs prior
5	9/5/17	9/26/17	6.50	MDH	
5	10/3/17	10/20/17	7.33	MVTL	168 hrs prior
5	10/3/17	11/17/17	7.40	MDH	
5	11/7/17	3/2/18	7.57	MVTL	168 hrs prior
5	12/5/17	12/22/17	6.89	MVTL	192 hrs prior
5	12/5/17	1/8/18	7.50	MDH	
5	1/2/18	1/16/18	7.88	MVTL	168 hrs prior
5	1/2/18	2/20/18	7.30	MDH	
5	2/6/18	2/20/18	7.80	MVTL	168 hrs prior
5	3/6/18	3/26/18	7.84	MVTL	168 hrs prior
5	3/6/18	3/26/18	7.60	MDH	
5	4/3/18	4/10/18	7.62	MVTL	168 hrs prior
5	5/1/18	5/9/18	7.75	MVTL	168 hrs prior
5	5/1/18	6/26/18	7.30	MDH	
5	6/5/18	6/14/18	6.83	MVTL	168 hrs prior
5	6/5/18	7/18/18	6.80	MDH	
5	7/3/18	11/19/18	5.80	MDH	
5	8/7/18	8/20/18	5.99	MVTL	168 hrs prior
5	9/4/18	10/15/18	6.32	MVTL	168 hrs prior
5	9/4/18	10/15/18	5.70	MDH	
5	10/2/18	10/15/18	6.67	MVTL	168 hrs prior
5	10/2/18	11/19/18	6.40	MDH	
5	11/6/18	11/19/18	6.74	MVTL	168 hrs prior
5	12/4/18	12/11/18	6.55	MVTL	168 hrs prior
5	12/4/18	12/26/18	7.30	MDH	
5	1/2/19	1/14/19	7.01	MVTL	168 hrs prior
5	1/2/19	3/4/19	7.00	MDH	
5	2/5/19	2/12/19	7.42	MVTL	168 hrs prior
5	3/5/19	3/14/19	7.16	MVTL	168 hrs prior
5	3/5/19	3/29/19	7.20	MDH	
5	4/2/19	4/11/19	7.29	MVTL	168 hrs prior
5	5/7/19	5/14/19	6.73	MVTL	168 hrs prior
5	6/4/19	6/21/19	6.38	MVTL	168 hrs prior
5	6/4/19	7/11/19	6.80	MDH	
5	7/2/19	7/24/19	6.62	MVTL	168 hrs prior
5	8/6/19	8/23/19	6.70	MVTL	168 hrs prior
5	8/20/19	8/27/19	6.46	MVTL	168 hrs prior
5	9/9/19	10/3/19	6.16	MVTL	168 hrs prior



6	3/14/17	4/24/17	4.40	MDH	168 hrs prior
6	4/11/17	4/17/17	4.94	MVTL	168 hrs prior
6	6/8/17	7/27/17	4.50	MDH	168 hrs prior
6	9/12/17	10/20/17	4.70	MDH	168 hrs prior
6	12/12/17	1/8/18	4.50	MDH	168 hrs prior
6	3/13/18	4/10/18	5.10	MDH	168 hrs prior
6	6/19/18	7/18/18	4.80	MDH	456 hrs prior
6	9/26/18	10/15/18	4.30	MDH	192 hrs prior
6	12/27/18	2/5/19	4.80	MDH	168 hrs prior
6	1/8/19	1/14/19	5.21	MVTL	168 hrs prior
6	3/12/19	3/29/19	4.70	MDH	168 hrs prior
6	6/11/19	7/11/19	4.80	MDH	168 hrs prior
6	7/9/19	7/24/19	4.48	MVTL	168 hrs prior



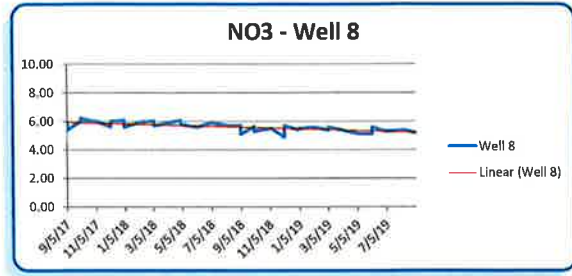
7	3/14/17	4/24/17	4.50	MDH	168 hrs prior
7	4/11/17	4/17/17	4.74	MVTL	168 hrs prior
7	6/1/17	7/27/17	4.80	MDH	168 hrs prior
7	6/8/17	7/27/17	4.50	MDH	168 hrs prior
7	9/12/17	10/3/17	4.20	MDH	168 hrs prior
7	12/12/17	1/8/18	3.90	MDH	168 hrs prior
7	2/13/18	3/26/18	4.60	MDH	168 hrs prior
7	6/19/18	7/18/18	4.30	MDH	456 hrs prior
7	9/18/18	10/15/18	4.60	MDH	216 hrs prior
7	12/27/18	2/5/19	4.90	MDH	168 hrs prior
7	1/8/19	1/14/19	4.78	MVTL	168 hrs prior
7	3/12/19	3/29/19	4.40	MDH	168 hrs prior
7	6/11/19	7/11/19	4.60	MDH	168 hrs prior
7	7/9/19	7/24/19	4.64	MVTL	168 hrs prior



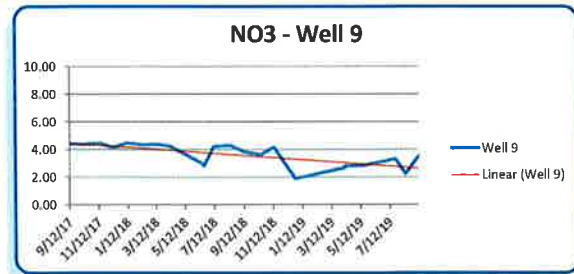
MVTL = Minnesota Valley Testing Laboratories
MDH = Minnesota Department of Health
TCWC = Twin City Water Clinic

Shakopee Public Utilities Commission
Water Department
Nitrate Results
Reported in mg/L

Location	Sample Collected	Results Received	Results	Lab	Run Time
8	9/5/17	9/26/17	5.98	MVTL	216 hrs prior
8	9/5/17	9/26/17	5.40	MDH	
8	10/3/17	10/20/17	6.00	MVTL	168 hrs prior
8	10/3/17	11/17/17	6.20	MDH	
8	11/7/17	3/2/18	5.97	MVTL	168 hrs prior
8	12/5/17	12/22/17	5.61	MVTL	192 hrs prior
8	12/5/17	1/8/18	6.00	MDH	
8	1/2/18	1/16/18	6.07	MVTL	168 hrs prior
8	1/2/18	2/20/18	5.60	MDH	
8	2/6/18	2/20/18	5.94	MVTL	168 hrs prior
8	3/8/18	3/26/18	6.03	MVTL	168 hrs prior
8	3/6/18	3/26/18	5.70	MDH	
8	4/3/18	4/10/18	5.88	MVTL	168 hrs prior
8	5/1/18	5/9/18	6.08	MVTL	168 hrs prior
8	5/1/18	6/26/18	5.80	MDH	
8	6/5/18	6/14/18	5.59	MVTL	168 hrs prior
8	6/5/18	7/18/18	5.60	MDH	
8	7/3/18	11/19/18	5.90	MDH	
8	8/7/18	8/20/18	5.72	MVTL	168 hrs prior
8	9/4/18	10/15/18	5.72	MVTL	168 hrs prior
8	9/4/18	10/15/18	5.10	MDH	
8	10/2/18	10/15/18	5.65	MVTL	168 hrs prior
8	10/2/18	11/19/18	5.30	MDH	
8	11/6/18	11/19/18	5.51	MVTL	168 hrs prior
8	12/4/18	12/11/18	4.89	MVTL	168 hrs prior
8	12/4/18	12/26/18	5.70	MDH	
8	1/2/19	1/14/19	5.41	MVTL	168 hrs prior
8	1/2/19	3/4/19	5.50	MDH	
8	2/5/19	2/12/19	5.58	MVTL	168 hrs prior
8	3/5/19	3/14/19	5.41	MVTL	168 hrs prior
8	3/5/19	3/29/19	5.60	MDH	
8	4/2/19	4/11/19	5.40	MVTL	168 hrs prior
8	5/7/19	5/14/19	5.13	MVTL	168 hrs prior
8	6/4/19	6/21/19	5.12	MVTL	168 hrs prior
8	6/4/19	7/11/19	5.60	MDH	
8	7/2/19	7/24/19	5.32	MVTL	168 hrs prior
8	8/13/19	8/23/19	5.38	MVTL	168 hrs prior
8	9/3/19	10/3/19	5.20	MVTL	168 hrs prior



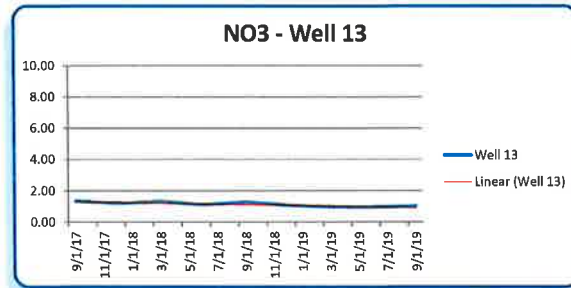
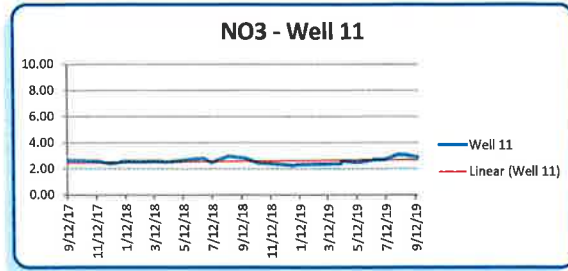
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9	10/10/17	10/20/17	4.38	MVTL	144 hrs prior
9	11/14/17	11/21/17	4.43	MVTL	168 hrs prior
9	12/12/17	12/22/17	4.14	MVTL	168 hrs prior
9	1/9/18	1/16/18	4.45	MVTL	168 hrs prior
9	2/13/18	2/20/18	4.33	MVTL	168 hrs prior
9	3/13/18	3/26/18	4.36	MVTL	168 hrs prior
9	4/10/18	4/18/18	4.23	MVTL	168 hrs prior
9	6/19/18	6/26/18	2.92	MVTL	96 hrs prior
9	6/19/18	7/18/18	2.80	MDH	
9	7/10/18	7/18/18	4.20	MVTL	240 hrs prior
9	8/14/18	8/20/18	4.29	MVTL	168 hrs prior
9	9/11/18	10/15/18	3.83	MVTL	168 hrs prior
9	10/16/18	11/7/18	3.61	MVTL	168 hrs prior
9	11/13/18	11/29/18	4.15	MVTL	168 hrs prior
9	12/27/18	1/14/19	1.87	MVTL	168 hrs prior
9	4/9/19	4/16/19	2.69	MVTL	168 hrs prior
9	4/9/19	5/1/19	2.80	MDH	
9	5/14/19	5/20/19	2.82	MVTL	168 hrs prior
9	7/23/19	7/29/19	3.32	MVTL	168 hrs prior
9	8/13/19	8/23/19	2.23	MVTL	168 hrs prior
9	9/9/19	10/3/19	3.49	MVTL	168 hrs prior



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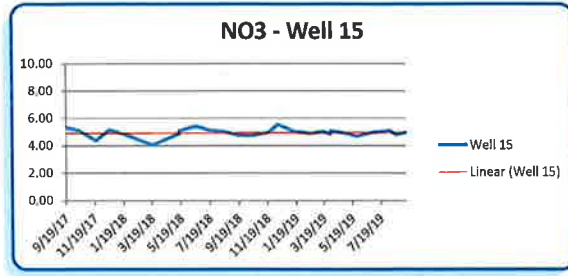
Location	Sample Collected	Results Received	Results	Lab	Run Time
10	4/17/12	4/20/12	< 1.00	TCWC	158 hrs prior
10	1/21/14	1/29/14	< 1.00	TCWC	144 hrs prior
10	3/25/14	4/1/14	3.61	MVTL	96 hrs prior
10	4/23/14	5/7/14	< 0.20	MVTL	24 hrs prior
10	4/23/14	6/16/14	< 0.05	MDH	*
10	6/16/15	6/26/15	< 0.05	MVTL	144 hrs prior
10	4/11/17	4/17/17	< 0.05	MVTL	168 hrs prior
10	1/8/19	1/14/19	< 0.05	MVTL	168 hrs prior
10	7/9/19	7/24/19	< 0.05	MVTL	168 hrs prior
11	9/12/17	9/26/17	2.62	MVTL	168 hrs prior
11	10/10/17	10/20/17	2.61	MVTL	144 hrs prior
11	11/14/17	11/21/17	2.57	MVTL	168 hrs prior
11	12/12/17	12/22/17	2.39	MVTL	168 hrs prior
11	1/9/18	1/16/18	2.57	MVTL	168 hrs prior
11	2/13/18	2/20/18	2.54	MVTL	168 hrs prior
11	3/13/18	3/26/18	2.59	MVTL	168 hrs prior
11	4/10/18	4/18/18	2.53	MVTL	168 hrs prior
11	6/22/18	7/18/18	2.80	MDH	24 hrs prior
11	7/10/18	7/18/18	2.48	MVTL	24 hrs prior
11	8/14/18	8/20/18	2.95	MVTL	168 hrs prior
11	9/18/18	10/15/18	2.83	MVTL	168 hrs prior
11	10/16/18	11/7/18	2.45	MVTL	168 hrs prior
11	11/13/18	11/29/18	2.41	MVTL	168 hrs prior
11	12/27/18	1/14/19	2.25	MVTL	168 hrs prior
11	1/8/19	1/14/19	2.31	MVTL	168 hrs prior
11	4/9/19	4/16/19	2.40	MVTL	168 hrs prior
11	4/9/19	5/1/19	2.60	MDH	
11	5/14/19	5/20/19	2.48	MVTL	168 hrs prior
11	6/18/19	7/3/19	2.71	MVTL	168 hrs prior
11	7/9/19	7/24/19	2.72	MVTL	168 hrs prior
11	8/6/19	8/23/19	3.07	MVTL	168 hrs prior
11	8/20/19	9/27/19	3.06	MVTL	168 hrs prior
11	9/17/19	10/3/19	2.89	MVTL	168 hrs prior
12	4/11/17	4/17/17	0.92	MVTL	168 hrs prior
12	9/5/17	9/26/17	0.72	MVTL	168 hrs prior
12	12/5/17	12/22/17	0.72	MVTL	168 hrs prior
12	9/4/18	10/15/18	0.62	MVTL	168 hrs prior
12	12/4/18	12/11/18	0.58	MVTL	144 hrs prior
12	3/5/19	3/14/19	0.68	MVTL	168 hrs prior
12	5/28/19	6/6/19	0.53	MVTL	168 hrs prior
12	9/9/19	10/3/19	0.65	MVTL	168 hrs prior
13	9/5/17	9/26/17	1.35	MVTL	128 hrs prior
13	12/5/17	12/22/17	1.20	MVTL	168 hrs prior
13	3/6/18	3/26/18	1.32	MVTL	168 hrs prior
13	6/5/18	6/14/18	1.11	MVTL	24 hrs prior
13	9/4/18	10/15/18	1.28	MVTL	168 hrs prior
13	12/4/18	12/11/18	1.08	MVTL	168 hrs prior
13	3/5/19	3/14/19	0.98	MVTL	168 hrs prior
13	5/28/19	6/6/19	0.95	MVTL	168 hrs prior
13	9/3/19	10/3/19	1.01	MVTL	168 hrs prior
14	4/23/14	6/16/14	< 0.05	MDH	*
14	4/11/17	4/17/17	< 0.05	MVTL	20 hrs prior
14	9/5/17	9/26/17	< 0.05	MVTL	24 hrs prior
14	12/5/17	12/22/17	< 0.05	MVTL	168 hrs prior
14	3/6/18	3/26/18	< 0.05	MVTL	168 hrs prior
14	6/5/18	6/14/18	< 0.05	MVTL	24 hrs prior



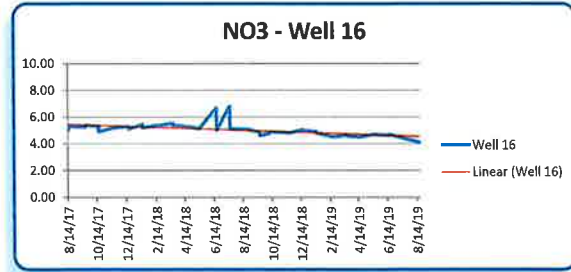
MVTL = Minnesota Valley Testing Laboratories
MDH = Minnesota Department of Health
TCWC = Twin City Water Clinic

Shakopee Public Utilities Commission
Water Department
Nitrate Results
Reported in mg/L

Location	Sample Collected	Results Received	Results	Lab	Run Time
15	9/19/17	9/26/17	5.32	MVTL	168 hrs prior
15	10/17/17	11/17/17	5.10	MVTL	168 hrs prior
15	11/21/17	12/11/17	4.36	MVTL	168 hrs prior
15	12/19/17	12/27/17	5.17	MVTL	192 hrs prior
15	1/16/18	2/20/18	4.88	MVTL	168 hrs prior
15	3/20/18	3/27/18	4.04	MVTL	168 hrs prior
15	5/15/18	5/31/18	4.88	MVTL	168 hrs prior
15	5/15/18	5/31/18	5.10	MDH	
15	6/19/18	6/26/18	5.40	MVTL	408 hrs prior
15	7/17/18	8/17/18	5.16	MVTL	120 hrs prior
15	8/21/18	10/15/18	5.02	MVTL	168 hrs prior
15	9/18/18	10/15/18	4.76	MVTL	168 hrs prior
15	10/16/18	11/7/18	4.74	MVTL	168 hrs prior
15	11/20/18	11/29/18	4.98	MVTL	168 hrs prior
15	12/11/18	12/21/18	5.54	MVTL	168 hrs prior
15	1/15/19	1/29/19	5.05	MVTL	168 hrs prior
15	2/19/19	3/4/19	4.91	MVTL	168 hrs prior
15	3/15/19	3/25/19	5.05	MVTL	168 hrs prior
15	4/2/19	4/11/19	4.87	MVTL	168 hrs prior
15	4/2/19	5/1/19	5.10	MDH	
15	5/7/19	5/14/19	4.89	MVTL	168 hrs prior
15	5/28/19	6/6/19	4.70	MVTL	168 hrs prior
15	7/2/19	7/24/19	4.99	MVTL	168 hrs prior
15	8/6/19	8/23/19	5.11	MVTL	168 hrs prior
15	8/20/19	8/27/19	4.81	MVTL	168 hrs prior
15	9/9/19	10/3/19	4.97	MVTL	168 hrs prior



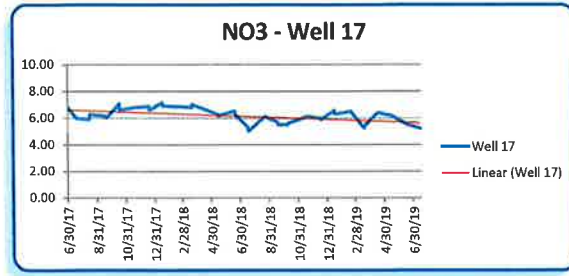
16	8/14/17	10/20/17	5.00	MDH	
16	8/15/17	8/21/17	5.28	MVTL	168 hrs prior
16	9/19/17	9/26/17	5.25	MVTL	168 hrs prior
16	9/19/17	10/20/17	5.40	MDH	
16	10/17/17	11/17/17	5.29	MVTL	168 hrs prior
16	10/17/17	3/9/18	4.90	MDH	
16	11/21/17	12/11/17	5.21	MVTL	168 hrs prior
16	12/19/17	12/27/17	5.29	MVTL	192 hrs prior
16	12/19/17	2/20/18	5.10	MDH	
16	1/16/18	2/20/18	5.44	MVTL	168 hrs prior
16	1/16/18	3/9/18	5.20	MDH	
16	3/20/18	3/27/18	5.53	MVTL	168 hrs prior
16	3/20/18	5/31/18	5.40	MDH	
16	5/15/18	5/31/18	5.14	MVTL	168 hrs prior
16	5/15/18	6/26/18	5.20	MDH	
16	6/19/18	6/26/18	6.65	MVTL	408 hrs prior
16	6/19/18	7/18/18	5.00	MDH	
16	7/17/18	8/17/18	6.76	MVTL	408 hrs prior
16	7/17/18	11/19/18	5.10	MDH	
16	9/18/18	10/15/18	4.87	MVTL	168 hrs prior
16	9/18/18	10/15/18	4.60	MDH	
16	10/9/18	10/15/18	4.79	MVTL	168 hrs prior
16	10/9/18	11/19/18	4.90	MDH	
16	8/21/18	10/15/18	5.09	MVTL	192 hrs prior
16	11/20/18	11/29/18	4.81	MVTL	168 hrs prior
16	12/18/18	12/26/18	5.06	MVTL	192 hrs prior
16	12/18/18	1/14/19	5.00	MDH	
16	1/15/19	1/29/19	4.90	MVTL	168 hrs prior
16	1/15/19	3/4/19	4.80	MDH	
16	2/19/19	3/4/19	4.51	MVTL	168 hrs prior
16	3/19/19	3/25/19	4.63	MVTL	168 hrs prior
16	3/19/19	4/4/19	4.60	MDH	
16	4/16/19	4/23/19	4.50	MVTL	168 hrs prior
16	5/14/19	5/20/19	4.68	MVTL	168 hrs prior
16	6/18/19	7/3/19	4.64	MVTL	168 hrs prior
16	6/18/19	7/11/19	4.70	MDH	
16	7/16/19	7/24/19	4.40	MVTL	168 hrs prior
16	8/20/19	8/27/19	4.08	MVTL	168 hrs prior



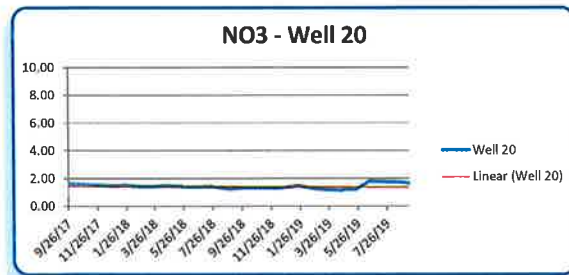
MVTL = Minnesota Valley Testing Laboratories
MDH = Minnesota Department of Health
TCWC = Twin City Water Clinic

Shakopee Public Utilities Commission
Water Department
Nitrate Results
Reported in mg/L

Location	Sample Collected	Results Received	Results	Lab	Run Time
17	6/30/17	7/27/17	6.80	MDH	168 hrs prior
17	7/18/17	7/24/17	5.97	MVTL	168 hrs prior
17	8/14/17	10/20/17	5.90	MDH	
17	8/15/17	8/21/17	6.27	MVTL	168 hrs prior
17	9/19/17	9/26/17	6.13	MVTL	168 hrs prior
17	9/19/17	10/20/17	6.00	MDH	
17	10/17/17	11/17/17	7.06	MVTL	168 hrs prior
17	10/17/17	3/9/18	6.60	MDH	
17	11/21/17	12/11/17	6.79	MVTL	168 hrs prior
17	12/19/17	12/27/17	6.85	MVTL	192 hrs prior
17	12/19/17	2/20/18	6.60	MDH	
17	1/18/18	2/20/18	7.12	MVTL	168 hrs prior
17	1/16/18	3/9/18	6.90	MDH	
17	3/20/18	5/31/18	6.80	MDH	
17	3/20/18	3/27/18	7.00	MVTL	168 hrs prior
17	5/15/18	5/31/18	6.27	MVTL	168 hrs prior
17	5/15/18	6/26/18	6.20	MDH	
17	6/19/18	6/26/18	6.52	MVTL	408 hrs prior
17	6/19/18	7/18/18	6.30	MDH	
17	7/17/18	8/17/18	5.30	MVTL	408 hrs prior
17	7/17/18	11/19/18	5.00	MDH	
17	8/21/18	10/15/18	6.10	MVTL	168 hrs prior
17	9/18/18	10/15/18	5.70	MVTL	168 hrs prior
17	9/18/18	10/15/18	5.50	MDH	
17	10/9/18	10/15/18	5.50	MVTL	168 hrs prior
17	10/9/18	11/19/18	5.60	MDH	
17	11/20/18	11/29/18	6.13	MVTL	168 hrs prior
17	12/18/18	12/26/18	5.97	MVTL	168 hrs prior
17	12/18/18	1/14/19	5.90	MDH	
17	1/15/19	1/29/19	6.56	MVTL	168 hrs prior
17	1/15/19	3/4/19	6.30	MDH	
17	2/19/19	3/4/19	6.49	MVTL	168 hrs prior
17	3/19/19	3/25/19	5.25	MVTL	168 hrs prior
17	3/19/19	4/4/19	5.40	MDH	
17	4/16/19	4/23/19	6.40	MVTL	168 hrs prior
17	5/14/19	5/20/19	6.19	MVTL	168 hrs prior
17	6/18/19	7/3/19	5.50	MVTL	168 hrs prior
17	6/18/19	7/11/19	5.50	MDH	
17	7/16/19	7/24/19	5.20	MVTL	168 hrs prior
17	8/13/19	8/23/19	5.16	MVTL	168 hrs prior
17	9/3/19	10/3/19	4.77	MVTL	168 hrs prior



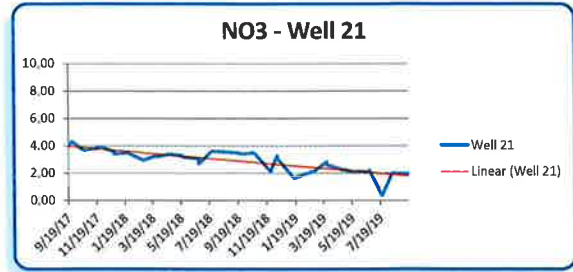
20	9/26/17	10/4/17	1.51	MVTL	168 hrs prior
20	10/24/17	11/17/17	1.56	MVTL	168 hrs prior
20	11/28/17	12/11/17	1.51	MVTL	168 hrs prior
20	12/26/17	1/9/18	1.46	MVTL	168 hrs prior
20	1/23/18	2/20/18	1.51	MVTL	168 hrs prior
20	2/27/18	3/9/18	1.41	MVTL	168 hrs prior
20	3/27/18	4/10/18	1.43	MVTL	168 hrs prior
20	4/24/18	5/9/18	1.49	MVTL	168 hrs prior
20	5/22/18	5/31/18	1.42	MVTL	168 hrs prior
20	5/22/18	6/14/18	1.40	MDH	
20	6/26/18	7/2/18	1.39	MVTL	72 hrs prior
20	7/24/18	8/17/18	1.42	MVTL	576 hrs prior
20	8/28/18	10/15/18	1.24	MVTL	192 hrs prior
20	9/25/18	10/15/18	1.30	MVTL	168 hrs prior
20	10/23/18	11/7/18	1.30	MVTL	216 hrs prior
20	12/11/18	12/21/18	1.29	MVTL	168 hrs prior
20	1/22/19	2/5/19	1.49	MVTL	168 hrs prior
20	2/26/19	3/6/19	1.25	MVTL	168 hrs prior
20	3/26/19	4/1/19	1.18	MVTL	168 hrs prior
20	4/23/19	5/1/19	1.15	MVTL	168 hrs prior
20	4/23/19	5/17/19	1.20	MDH	
20	5/21/19	5/29/19	1.21	MVTL	168 hrs prior
20	6/18/19	7/3/19	1.79	MVTL	168 hrs prior
20	8/20/19	8/27/19	1.72	MVTL	168 hrs prior
20	9/9/19	10/3/19	1.63	MVTL	168 hrs prior



MVTL = Minnesota Valley Testing Laboratories
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TCWC = Twin City Water Clinic

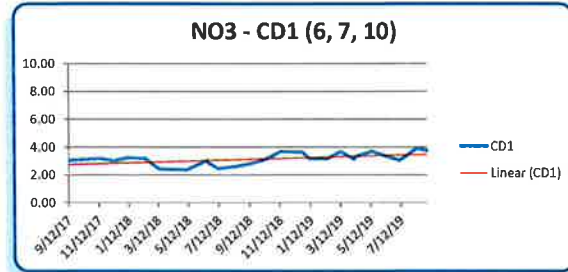
Shakopee Public Utilities Commission
Water Department
Nitrate Results
Reported in mg/L

Location	Sample Collected	Results Received	Results	Lab	Run Time
21	9/19/17	10/20/17	4.00	MDH	
21	9/26/17	10/4/17	4.29	MVTL	168 hrs prior
21	10/24/17	11/17/17	3.61	MVTL	168 hrs prior
21	11/28/17	12/11/17	3.90	MVTL	168 hrs prior
21	12/26/17	1/9/18	3.58	MVTL	168 hrs prior
21	12/26/17	2/20/18	3.40	MDH	
21	1/23/18	2/20/18	3.49	MVTL	168 hrs prior
21	2/27/18	3/9/18	2.95	MVTL	168 hrs prior
21	3/27/18	4/10/18	3.28	MVTL	168 hrs prior
21	3/27/18	5/31/18	3.20	MDH	
21	4/24/18	5/9/18	3.40	MVTL	168 hrs prior
21	5/22/18	5/31/18	3.30	MVTL	168 hrs prior
21	5/22/18	6/14/18	3.20	MDH	
21	6/26/18	7/2/18	3.07	MVTL	240 hrs prior
21	6/26/18	8/17/18	2.70	MDH	
21	7/24/18	8/17/18	3.60	MVTL	576 hrs prior
21	8/28/18	10/15/18	3.54	MVTL	168 hrs prior
21	9/25/18	10/15/18	3.45	MVTL	216 hrs prior
21	9/26/18	10/15/18	3.40	MDH	
21	10/23/18	11/7/18	3.49	MVTL	168 hrs prior
21	11/27/18	12/5/18	2.13	MVTL	192 hrs prior
21	12/11/18	12/21/18	3.28	MVTL	168 hrs prior
21	12/11/18	1/14/19	3.10	MDH	
21	1/15/19	1/29/19	1.65	MVTL	168 hrs prior
21	2/26/19	3/6/19	2.13	MVTL	168 hrs prior
21	3/26/19	4/1/19	2.82	MVTL	168 hrs prior
21	3/26/19	7/11/19	2.60	MDH	
21	4/23/19	5/1/19	2.31	MVTL	168 hrs prior
21	4/23/19	5/17/19	2.30	MDH	
21	5/21/19	5/29/19	2.12	MVTL	168 hrs prior
21	6/25/19	7/3/19	2.41	MVTL	168 hrs prior
21	6/25/19	8/3/19	2.20	MDH	
21	7/23/19	7/29/19	0.33	MVTL	168 hrs prior
21	8/13/19	8/23/19	2.00	MVTL	168 hrs prior
21	9/17/19	10/3/19	1.94	MVTL	168 hrs prior



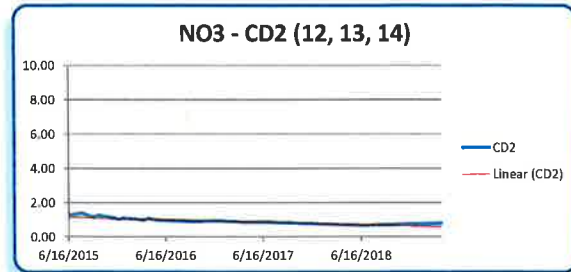
Combined Discharge - Wells 6-7-10

CD 1	9/12/17	9/26/17	3.03	MVTL	168 hrs prior
CD 1	10/10/17	10/20/17	3.09	MVTL	168 hrs prior
CD 1	11/14/17	11/21/17	3.16	MVTL	168 hrs prior
CD 1	12/12/17	12/22/17	3.00	MVTL	168 hrs prior
CD 1	1/9/18	1/16/18	3.23	MVTL	168 hrs prior
CD 1	2/13/18	2/20/18	3.18	MVTL	168 hrs prior
CD 1	3/13/18	3/26/18	2.42	MVTL	168 hrs prior
CD 1	5/8/18	5/31/18	2.36	MVTL	168 hrs prior
CD 1	6/19/18	6/26/18	3.05	MVTL	168 hrs prior
CD 1	6/19/18	7/18/18	2.90	MDH	
CD 1	7/10/18	7/18/18	2.46	MVTL	240 hrs prior
CD 1	8/14/18	8/20/18	2.59	MVTL	168 hrs prior
CD 1	9/11/18	10/15/18	2.78	MVTL	168 hrs prior
CD 1	10/9/18	10/15/18	3.06	MVTL	168 hrs prior
CD 1	11/13/18	11/29/18	3.88	MVTL	168 hrs prior
CD 1	12/27/18	1/14/19	3.63	MVTL	168 hrs prior
CD 1	1/8/19	1/14/19	3.19	MVTL	168 hrs prior
CD 1	2/12/19	2/22/19	3.16	MVTL	168 hrs prior
CD 1	3/12/19	3/18/19	3.67	MVTL	168 hrs prior
CD 1	4/9/19	4/16/19	3.13	MVTL	168 hrs prior
CD 1	4/9/19	5/1/19	3.30	MDH	
CD 1	5/14/19	5/20/19	3.69	MVTL	168 hrs prior
CD 1	6/11/19	6/21/19	3.37	MVTL	168 hrs prior
CD 1	7/9/19	7/24/19	3.04	MVTL	168 hrs prior
CD 1	8/13/19	8/23/19	3.89	MVTL	168 hrs prior
CD 1	9/3/19	10/3/19	3.74	MVTL	168 hrs prior



Combined Discharge - Wells 12-13-14

CD 2	6/16/2015	6/26/2015	1.26	MVTL	126 hrs prior
CD 2	8/4/2015	8/10/2015	1.35	MVTL	168 hrs prior
CD 2	9/15/2015	9/22/2015	1.15	MVTL	144 hrs prior
CD 2	10/6/2015	10/14/2015	1.25	MVTL	208 hrs prior
CD 2	12/22/2015	12/30/2015	1.03	MVTL	168 hrs prior
CD 2	1/5/2016	1/13/2016	1.08	MVTL	192 hrs prior
CD 2	2/23/2016	2/29/2016	1.03	MVTL	208 hrs prior
CD 2	3/22/2016	3/28/2016	0.96	MVTL	288 hrs prior
CD 2	4/12/2016	4/19/2016	1.07	MVTL	120 hrs prior
CD 2	5/10/2016	5/16/2016	0.98	MVTL	165 hrs prior
CD 2	5/10/2016	6/2/2016	0.97	MDH	
CD 2	7/12/2016	7/18/2016	0.93	MVTL	170 hrs prior
CD 2	10/11/2016	10/17/2016	0.87	MVTL	168 hrs prior
CD 2	11/8/2016	11/17/2016	0.91	MVTL	168 hrs prior
CD 2	1/10/2017	1/20/2017	0.92	MVTL	216 hrs prior
CD 2	4/11/2017	4/17/2017	0.85	MVTL	144 hrs prior
CD 2	6/8/2017	6/28/2017	0.86	MDH	144 hrs prior
CD 2	6/22/2018	7/18/2018	0.67	MDH	528 hrs prior
CD 2	4/16/2019	5/1/2019	0.78	MDH	165 hrs prior



MVTL = Minnesota Valley Testing Laboratories
MDH = Minnesota Department of Health
TCWC = Twin City Water Clinic

**SHAKOPEE PUBLIC UTILITIES
MEMORANDUM**

8c

TO: John Crooks, Utilities Manager
FROM: Joseph D. Adams, Planning & Engineering Director
SUBJECT: 2018 Comprehensive Water Plan - Update
DATE: October 3, 2019



ISSUE

A 2019 Updated Comprehensive Water Plan is in order.

BACKGROUND

Last year, the Utilities Commission received the 2018 Comprehensive Water Plan as submitted by SEH, Inc. Since then, the City of Shakopee's 2040 Comprehensive Plan was revised from its draft form (that the 2018 Comprehensive Water Plan was based upon) and an Alternative Urban Area Review (AUAR) was ordered by the Met Council for the Jackson Township Annexation Area. The AUAR is now nearing completion and it is appropriate for the Commission to consider a 2019 Updated Comprehensive Water Plan.

DISCUSSION

SEH, Inc.'s Chad Katzenberger has been tasked to revise the projected water use for the AUAR study and to update the 2018 Comprehensive Water Plan for Jackson township and the balance of the city based on the most current information available from the city on land use and population projections.

The revised water use projections for the AUAR were supplied to city staff and their consultant on August 20, 2018 (see attached). City staff has indicated that the AUAR is now nearing completion.

It will be appropriate once the AUAR is completed to have a 2019 Updated Comprehensive Water Plan presented to the Commission for their review. It has been discussed that the 2019 Updated Comprehensive Water Plan will then be used in a financial analysis of the Commission's Water (Capacity) Connection Fund and Trunk Water Fund and their associated fees, the Water Capacity Charge (WCC) and the Trunk Water Charge (TWC), that are paid by new development and when applicable by projects resulting in increased water usage.

REQUESTED ACTION

None at this time, this is an informational item.



Building a Better World
for All of Us[®]

MEMORANDUM

TO: Shakopee Public Utilities

FROM: Chad T. Katzenberger

DATE: August 19, 2019

RE: Jackson Township AUAR – Water System Demand Projections
SEH No. SHPUC 140940 14.00

BACKGROUND

This memo provides an estimate of projected water use for the land area to be developed in the identified AUAR Study area. Land use projections and study area information was provided by the City of Shakopee and SRF Consulting Group in August of 2019. Additional, per capita water use figures developed as part of SPUC's 2018 Compressive water plan were utilized for residential water use projections. The land use areas contained in the AUAR are broken down into seven sub-districts and represent anticipated development through the year 2040. The demand projections presented in this memo represent the expected Average Daily and Maximum Daily municipal water demand potential for the AUAR study area.

PROPOSED LAND USE & DEMAND PROJETIONS

A breakdown of projected land use for the AUAR study area was provided by the City of Shakopee, included in attachment A. This information includes land use development characteristics, developable acreage and other applicable information such as commercial building square footage. This information was then applied to the water use projection calculations provided in Attachment B.

PROJECTED WATER SYSTEM DEMAND

Results of the land used base water demand projections are presented in Attachment B. The time at which this expected development occurs will be strongly dependent on market forces. These water use projections are based on anticipated land use and help to understand the total ultimate water system needs, independent of time. Assuming total build out of the AUAR study area, the study area has a projected **Average Daily Demand** of **1.2 MGD** (Million Gallons per Day) and a **Maximum Daily Demand** of **3.4 MGD**

SUMMARY

The information documented above provides for a reasonable estimate of future water system demands. These demands can be updated further as additional development information is available.

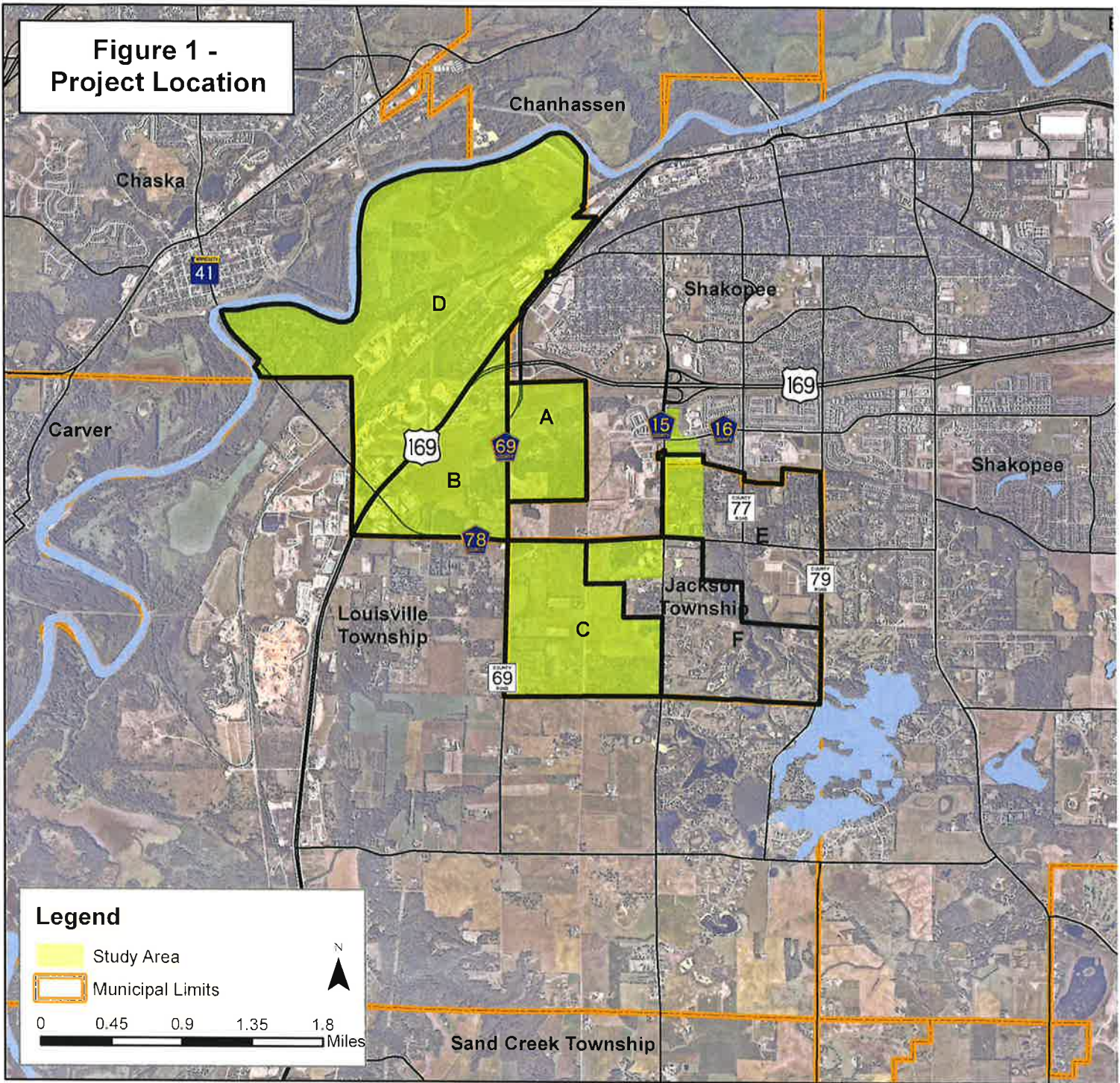
ctk

Attachment

c: Miles Jensen, SEH

s:\pt\slshpuc\140940\4-prelim-dsgn-rpts\reports\2019 comp water plan update\auar water use\m-2019 auar water use esimete.docx

**Figure 1 -
Project Location**



**Attachment A
Jackson Township AUAR Development Area**

Sub Area	2040 Land Use	Acres	Res. Units (EA)	N'Hood Retail (SF)	HWY Retail (SF)	Office (SF)	W-house (SF)	Mfg. (SF)
A	Mixed Residential	22	91	81,991				
A	Mixed Use Center	38			594,646	84,091		
A	Mixed Use Employment Center	25	31		41,706	159,240	90,994	90,994
A	Suburban Edge Residential	0						
A	Suburban Residential	67	161					
B	Mixed Residential	47	165	219,195				
B	Mixed Use Center	45			691,370	97,769		
B	Mixed Use Employment Center	214	257		350,955	1,340,008	765,719	765,719
B	Suburban Edge Residential	0						
B	Suburban Residential	0						
C	Mixed Residential	18	64	83486				
C	Mixed Use Center	0						
C	Mixed Use Employment Center	0						
C	Suburban Edge Residential	300	120					
C	Suburban Residential	166	266					
D	Mixed Residential	0						
D	Mixed Use Center	34			523,795	74,072		
D	Mixed Use Employment Center	247			212,672	1,353,369	1,082,695	1,082,695
D	Suburban Edge Residential	0						
D	Suburban Residential	57	230					
E	Mixed Residential	3	11	15007				
E	Mixed Use Center	0						
E	Mixed Use Employment Center	0						
E	Suburban Edge Residential	14	6					
E	Suburban Residential	48	96					
F	Mixed Residential	0						
F	Mixed Use Center	0						
F	Mixed Use Employment Center	0						
F	Suburban Edge Residential	0						
F	Suburban Residential	0						
G	Mixed Residential	0						
G	Mixed Use Center	10	156		112,122			
G	Mixed Use Employment Center	0						
G	Suburban Edge Residential	0						
G	Suburban Residential	10	28					

Data provided by the City of Shakopee 8/6/2019

**Attachment B
Future Water Supply Needs - AUAR Area**

Sub Area	2040 Land Use	Acres	Res. Units (EA)	N'Hood Retail (SF)	HWY Retail (SF)	Office (SF)	W-house (SF)	Mfg. (SF)	Avg. Day Demand (gpd)
A	Mixed Residential	22	91	81,991					31,827
A	Mixed Use Center	38			594,646	84,091			62,421
A	Mixed Use Employment Center	25	31		41,706	159,240	90,994	90,994	37,821
A	Suburban Residential	67	161						43,277
B	Mixed Residential	47	165	219,195					64,044
B	Mixed Use Center	45			691,370	97,769			72,574
B	Mixed Use Employment Center	214	257		350,955	1,340,008	765,719	765,719	317,227
C	Mixed Residential	18	64	83486					24,703
C	Suburban Edge Residential	300	120						32,256
C	Suburban Residential	166	266						71,501
D	Mixed Use Center	34			523,795	74,072			54,984
D	Mixed Use Employment Center	247			212,672	1,353,369	1,082,695	1,082,695	267,452
D	Suburban Residential	57	230						61,824
E	Mixed Residential	3	11	15007					4,305
E	Suburban Edge Residential	14	6						1,613
E	Suburban Residential	48	96						25,805
G	Mixed Use Center	10	156		112,122				52,005
G	Suburban Residential	10	28						7,526
Totals			1,682	399,679	2,527,266	3,108,549	1,939,408	1,939,408	1,230,000
									*Maximum Day Demand (2.77 Multiplier)
									3,410,000

Demand Assumptions		
**Persons per housing unit	3.2	persons
*Residential per capita AD water use	84	gpc/d
Retail water Use	0.090	gpd/sf
Office Water Use	0.107	gpd/sf
Warehouse	0.039	gpd/sf
Manufacturing	0.056	gpd/sf

*Based on SPUC 2012 Historical Data (dry year)

**Figure provided by City of Shakopee

Non-Residential Water Use Figures Estimated from Met Council SAC City Determination Worksheet

SHAKOPEE PUBLIC UTILITIES
MEMORANDUM

TO: John Crooks, Utilities Manager
FROM: Joseph D. Adams, Planning & Engineering Director
SUBJECT: Apgar Street and 2nd Avenue Water Main - Update
DATE: October 3, 2019



ISSUE

Ryan Contracting is not willing to lower their contract cost per unit for the excess rock excavated for the water main installation.

BACKGROUND

Please see my previous memos dated September 13 and August 1, 2019 for the background on this issue.

DISCUSSION

Staff met with Ryan Contracting and John Powell of WSB to discuss the issue. Present from Ryan were Principal/Owner Tom Ryan and Project Manager Mike Holasek.

Tom Ryan felt very strongly that they are due the full amount of the agreed upon rock quantity at the full contract unit price. He pointed out that this was a difficult drawn out project that carried over two years and despite the change order to update pricing for inflation they spent more effort dealing with the UPRR and Rahr Malting than they had planned initially. He further stated while we may think that the contractual compensation amount for the extra rock excavated at the contract unit price is excessive for the amount of effort expended - a contractor is never paid additional for some element of a contract that costs the contractor more than what the contract price pays for compensation. Having said that however, he nonetheless suggested that SPU make them an offer for him to consider to avoid prolonging the dispute.

WSB's John Powell did state that as Project Engineer he should have been contacted when the additional rock was encountered. A failing by both SPU staff and the contractor admittedly that may have avoided having to negotiate a new price for the additional rock excavation after the fact. John Powell felt there was some language in the standard engineering contract form used in the contract that SPU may be able to fall back on that gives the project engineer discretion in approving such a

significant additional cost. For their part Ryan felt that the language in the project specific addendums supersedes the language WSB cited.

Staff has not sought a legal opinion as to which argument is likely to be successful in any legal action, but we are uncomfortable with the idea that there is much to gain by any of the parties in a legal dispute. Staff also asked Ryan Contracting to please share any further information they could on what if any extra costs they may have incurred on the project, including the extra labor and equipment time spent on excavating all of the rock.

RECOMMENDATION


Staff recommends the Commission consider making Ryan Contracting an offer of compensation that the Commission believes to be a fair amount given the circumstances.

REQUESTED ACTION

Staff requests further direction from the Utilities Commission on resolving the pricing for the additional rock quantity on this contract.

**SHAKOPEE PUBLIC UTILITIES
MEMORANDUM**

9b

TO: SHAKOPEE PUBLIC UTILITIES COMMISSION
FROM: JOHN R. CROOKS, UTILITIES MANAGER 
**SUBJECT: MMPA BOARD MEETING PUBLIC SUMMARY
SEPTEMBER 2019**
DATE: SEPTEMBER 25, 2019

The Board of Directors of the Minnesota Municipal Power Agency (MMPA) met on September 24, 2019 at Shakopee Public Utilities in Shakopee, Minnesota.

The Board approved BKD LLP as MMPA's financial statement auditor for 2019.

The Board received an update on the refurbishment and life extension project for the Agency's Hometown Wind turbines.

The Board discussed the status of the renewable projects the Agency is pursuing.

Participation in MMPA's residential Clean Energy Choice program increased over August, with market penetration that is now at 3.3%.




9c

SHAKOPEE PUBLIC UTILITIES

“Lighting the Way – Yesterday, Today and Beyond”

October 2, 2019

TO: John Crooks, Utilities Manager

FROM: Greg Drent, Electric Superintendent 

Subject: Lake City Mutual Aid Request

SPU got a request for mutual aid assistance in Lake City, Minnesota. On Wednesday September 25, Mike Willetts from MMUA called me to discuss the possibility of mutual aid to Lake City, MN. Lake City had severe storms and possibly a tornado on Tuesday evening. SPU staff met and we agreed to send two linemen and a bucket truck. I asked Roger Hennen and Grant Friendshuh if they would like the opportunity to help at Lake City and they both agreed to help.

The crew left on Wednesday afternoon and were able to start working right away to restore power to Lake City residents. The work lasted three days and they were back to Shakopee on Friday afternoon. The linemen assisted in replacing some broken poles, cutting trees off of power lines and hanging secondary services.

After the lineman got back, I got a call from Lake City thanking us for the help in their time of need. They were very complimentary of the work ethic of the two linemen we sent and the work that was done in the short amount of time they were there.



11a

SHAKOPEE PUBLIC UTILITIES

“Lighting the Way – Yesterday, Today and Beyond”

Proposed As Consent

October 1, 2019

TO: John Crooks, Utilities Manager
FROM: Sharon Walsh, Director of Marketing and Customer Relations
SUBJECT: 2019 Fall Newsletter

Overview

Due to the positive response and effectiveness of the earlier newsletter issued this past summer, we have decided to return to quarterly communications with our customer base.

The Fall Newsletter retained the same design. Content focuses on summer projects, the fast approaching Cold Weather Rule season and the announcement of eBill. We’ve also kept the “Did You Know” section as a concise way to share highlights and facts about SPU.

This newsletter is scheduled to mail Thursday, October 3rd.

Action

No action is required at this time.

**SHAKOPEE PUBLIC UTILITIES
MEMORANDUM**

11b

TO: John R. Crooks, Utilities Manager
FROM: Lon R. Schemel, Water Superintendent
SUBJECT: **WEBSITE UPDATE**
DATE: October 3, 2019



This update is for June 26, 2019, to October 2, 2019.

We now have enough data in Google Analytics to compare previous periods with previous years. These Google Analytics pages are compared to the previous year's period from June 26, 2018, to October 2, 2018.



SiteLock, the global leader in website security, protects you from hackers, spam, viruses, and scams, removes malware, and provides PCI Compliance.

SiteLock has verified this website: 10/03/2019

spucweb.com	✓
Company Name	Shakopee Public Utilities
Domain	spucweb.com
Address	✓
Verified spam-free	10/03/2019
Verified malware-free	10/03/2019

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Malware & Threats



FIX
Website Issues



PREVENT
Website Attacks



ACCELERATE
Performance



COMPLY
with PCI

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Audience Overview

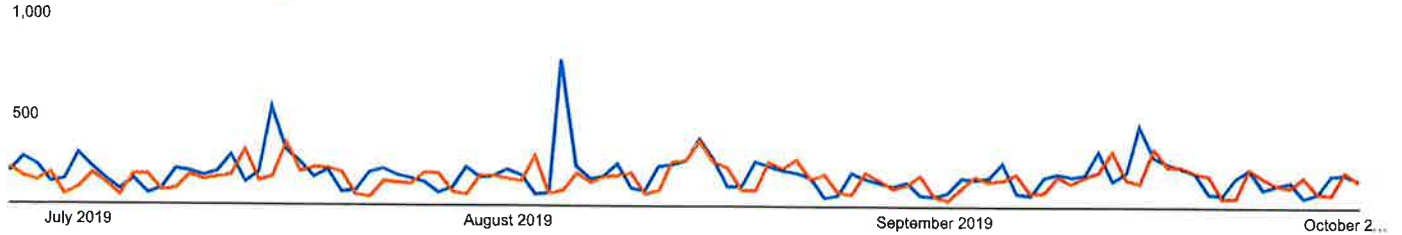
All Users
+0.00% Users

Jun 26, 2019 - Oct 2, 2019
Compare to: Jun 26, 2018 - Oct 2, 2018

Overview

Jun 26, 2019 - Oct 2, 2019: ● Users

Jun 26, 2018 - Oct 2, 2018: ● Users



Users

18.34%
10,407 vs 8,794



New Users

23.18%
8,652 vs 7,024



Sessions

16.37%
16,933 vs 14,551



Number of Sessions per User

-1.67%
1.63 vs 1.65



Pageviews

23.84%
29,995 vs 24,221



Pages / Session

6.42%
1.77 vs 1.66



Avg. Session Duration

19.60%
00:02:19 vs 00:01:56



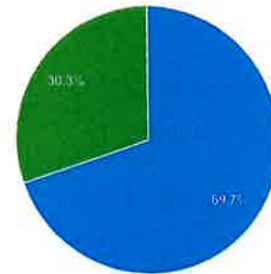
Bounce Rate

10.03%
39.26% vs 35.68%

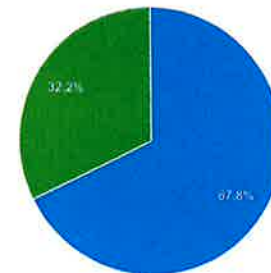


■ New Visitor ■ Returning Visitor

Jun 26, 2019 - Oct 2, 2019



Jun 26, 2018 - Oct 2, 2018



Language

1. [en-us](#)

Jun 26, 2019 - Oct 2, 2019

10,309 █ 99.11%

Jun 26, 2018 - Oct 2, 2018

8,445 █ 96.13%

% Change

22.07% **3.10%**

2. [en-gb](#)

Jun 26, 2019 - Oct 2, 2019

16 | 0.15%

Jun 26, 2018 - Oct 2, 2018

33 | 0.38%

% Change

-51.52% **-59.05%**

3. [es-xl](#)

Jun 26, 2019 - Oct 2, 2019

14 | 0.13%

Jun 26, 2018 - Oct 2, 2018

8 | 0.09%

% Change

75.00% **47.80%**

4. [c](#)

Jun 26, 2019 - Oct 2, 2019

10 | 0.10%

	Jun 26, 2018 - Oct 2, 2018	7		0.08%
	% Change	42.86%		20.65%
5.	es-419			
	Jun 26, 2019 - Oct 2, 2019	10		0.10%
	Jun 26, 2018 - Oct 2, 2018	10		0.11%
	% Change	0.00%		-15.55%
6.	en			
	Jun 26, 2019 - Oct 2, 2019	8		0.08%
	Jun 26, 2018 - Oct 2, 2018	4		0.05%
	% Change	100.00%		68.91%
7.	es-us			
	Jun 26, 2019 - Oct 2, 2019	7		0.07%
	Jun 26, 2018 - Oct 2, 2018	4		0.05%
	% Change	75.00%		47.80%
8.	zh-cn			
	Jun 26, 2019 - Oct 2, 2019	4		0.04%
	Jun 26, 2018 - Oct 2, 2018	4		0.05%
	% Change	0.00%		-15.55%
9.	es-es			
	Jun 26, 2019 - Oct 2, 2019	3		0.03%
	Jun 26, 2018 - Oct 2, 2018	11		0.13%
	% Change	-72.73%		-76.97%
10.	ru-ru			
	Jun 26, 2019 - Oct 2, 2019	3		0.03%
	Jun 26, 2018 - Oct 2, 2018	4		0.05%
	% Change	-25.00%		-36.66%

Users Flow

All Users
+0.00% Sessions

Country

United States
17K ▲18%

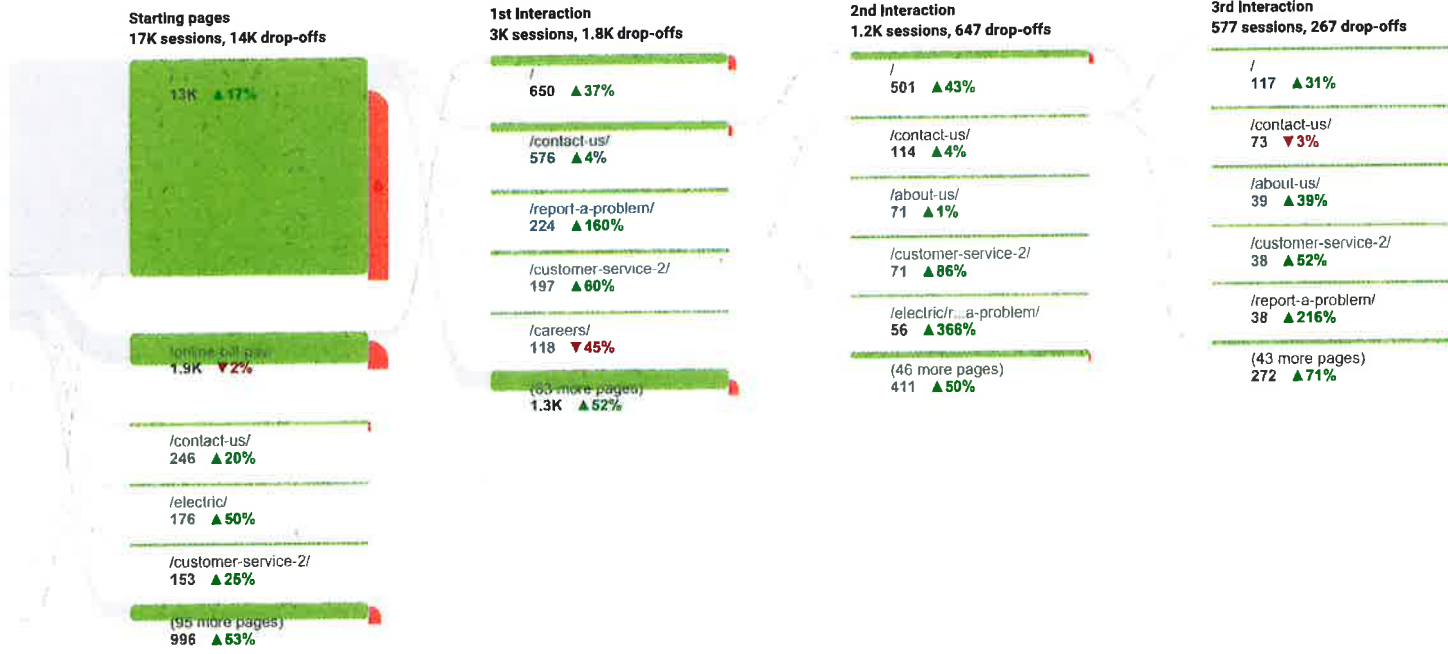
India
35 ▼60%

(not set)
28 ▲33%

France
15 ▼92%

Philippines
14 ▼39%

Other
131 ▲3%



Referral Traffic

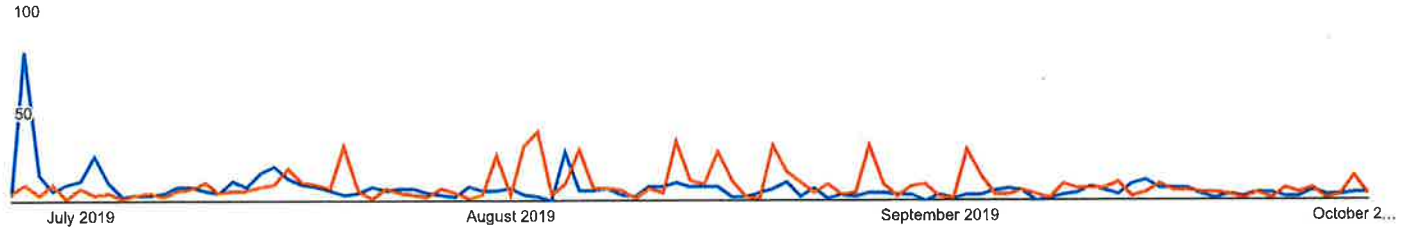
Jun 26, 2019 - Oct 2, 2019
Compare to: Jun 26, 2018 - Oct 2, 2018

All Users
-2.77% Users

Explorer

Summary

Jun 26, 2019 - Oct 2, 2019: ● Users
Jun 26, 2018 - Oct 2, 2018: ● Users



Source	Acquisition			Behavior			Conversions eCommerce		
	Users	New Users	Sessions	Bounce Rate	Pages / Session	Avg. Session Duration	Ecommerce Conversion Rate	Transactions	Revenue
	31.99% ▼ 389 vs 572	42.21% ▼ 267 vs 462	14.75% ▼ 636 vs 746	32.13% ▲ 58.81% vs 44.50%	2.18% ▲ 1.59 vs 1.56	15.16% ▲ 00:01:59 vs 00:01:44	0.00% 0.00% vs 0.00%	0.00% 0 vs 0	0.00% \$0.00 vs \$0.00
1. m.facebook.com									
Jun 26, 2019 - Oct 2, 2019	89 (22.70%)	81 (30.34%)	95 (14.94%)	90.53%	1.18	00:00:22	0.00%	0 (0.00%)	\$0.00 (0.00%)
Jun 26, 2018 - Oct 2, 2018	2 (0.35%)	2 (0.43%)	2 (0.27%)	50.00%	1.50	00:00:23	0.00%	0 (0.00%)	\$0.00 (0.00%)
% Change	4,350.00%	3,950.00%	4,650.00%	81.05%	-21.40%	-4.94%	0.00%	0.00%	0.00%
2. ipn.paymentus.com									
Jun 26, 2019 - Oct 2, 2019	84 (21.43%)	30 (11.24%)	212 (33.33%)	70.28%	1.40	00:01:47	0.00%	0 (0.00%)	\$0.00 (0.00%)
Jun 26, 2018 - Oct 2, 2018	18 (3.14%)	5 (1.08%)	32 (4.29%)	71.88%	1.19	00:00:46	0.00%	0 (0.00%)	\$0.00 (0.00%)
% Change	366.67%	500.00%	562.50%	-2.21%	17.58%	134.15%	0.00%	0.00%	0.00%
3. com.google.android.googlequickse archbox									
Jun 26, 2019 - Oct 2, 2019	62 (15.82%)	31 (11.61%)	100 (15.72%)	24.00%	1.76	00:03:08	0.00%	0 (0.00%)	\$0.00 (0.00%)
Jun 26, 2018 - Oct 2, 2018	178 (31.06%)	115 (24.89%)	286 (38.34%)	27.62%	1.55	00:01:56	0.00%	0 (0.00%)	\$0.00 (0.00%)
% Change	-65.17%	-73.04%	-65.03%	-13.11%	13.37%	61.42%	0.00%	0.00%	0.00%
4. facebook.com									
Jun 26, 2019 - Oct 2, 2019	21 (5.36%)	15 (5.62%)	31 (4.87%)	61.29%	1.71	00:02:28	0.00%	0 (0.00%)	\$0.00 (0.00%)
Jun 26, 2018 - Oct 2, 2018	0 (0.00%)	0 (0.00%)	0 (0.00%)	0.00%	0.00	00:00:00	0.00%	0 (0.00%)	\$0.00 (0.00%)
% Change	∞%	∞%	∞%	∞%	∞%	∞%	0.00%	0.00%	0.00%
5. l.facebook.com									
Jun 26, 2019 - Oct 2, 2019	17 (4.34%)	14 (5.24%)	39 (6.13%)	51.28%	2.05	00:03:38	0.00%	0 (0.00%)	\$0.00 (0.00%)
Jun 26, 2018 - Oct 2, 2018	2 (0.35%)	1 (0.22%)	3 (0.40%)	33.33%	1.67	00:01:02	0.00%	0 (0.00%)	\$0.00 (0.00%)

% Change	750.00%	1,300.00%	1,200.00%	53.85%	23.08%	250.47%	0.00%	0.00%	0.00%
6. duckduckgo.com									
Jun 26, 2019 - Oct 2, 2019	14 (3.57%)	12 (4.49%)	20 (3.14%)	30.00%	2.20	00:03:51	0.00%	0 (0.00%)	\$0.00 (0.00%)
Jun 26, 2018 - Oct 2, 2018	8 (1.40%)	8 (1.73%)	9 (1.21%)	55.56%	1.56	00:01:01	0.00%	0 (0.00%)	\$0.00 (0.00%)
% Change	75.00%	50.00%	122.22%	-46.00%	41.43%	281.39%	0.00%	0.00%	0.00%
7. us.search.yahoo.com									
Jun 26, 2019 - Oct 2, 2019	12 (3.06%)	11 (4.12%)	15 (2.36%)	40.00%	1.47	00:02:41	0.00%	0 (0.00%)	\$0.00 (0.00%)
Jun 26, 2018 - Oct 2, 2018	8 (1.40%)	3 (0.65%)	12 (1.61%)	41.67%	1.00	00:00:04	0.00%	0 (0.00%)	\$0.00 (0.00%)
% Change	50.00%	266.67%	25.00%	-4.00%	46.67%	4,381.86%	0.00%	0.00%	0.00%
8. programs.dsireusa.org									
Jun 26, 2019 - Oct 2, 2019	11 (2.81%)	7 (2.62%)	11 (1.73%)	36.36%	2.27	00:02:51	0.00%	0 (0.00%)	\$0.00 (0.00%)
Jun 26, 2018 - Oct 2, 2018	11 (1.92%)	7 (1.52%)	12 (1.61%)	33.33%	2.42	00:04:30	0.00%	0 (0.00%)	\$0.00 (0.00%)
% Change	0.00%	0.00%	-8.33%	9.09%	-5.96%	-36.68%	0.00%	0.00%	0.00%
9. minnesota.maps.arcgis.com									
Jun 26, 2019 - Oct 2, 2019	10 (2.55%)	9 (3.37%)	11 (1.73%)	27.27%	3.18	00:01:16	0.00%	0 (0.00%)	\$0.00 (0.00%)
Jun 26, 2018 - Oct 2, 2018	6 (1.05%)	5 (1.08%)	7 (0.94%)	42.86%	1.71	00:01:16	0.00%	0 (0.00%)	\$0.00 (0.00%)
% Change	66.67%	80.00%	57.14%	-36.36%	85.61%	-0.68%	0.00%	0.00%	0.00%
10. doxo.com									
Jun 26, 2019 - Oct 2, 2019	9 (2.30%)	5 (1.87%)	13 (2.04%)	53.85%	1.69	00:02:41	0.00%	0 (0.00%)	\$0.00 (0.00%)
Jun 26, 2018 - Oct 2, 2018	0 (0.00%)	0 (0.00%)	0 (0.00%)	0.00%	0.00	00:00:00	0.00%	0 (0.00%)	\$0.00 (0.00%)
% Change	∞%	∞%	∞%	∞%	∞%	∞%	0.00%	0.00%	0.00%

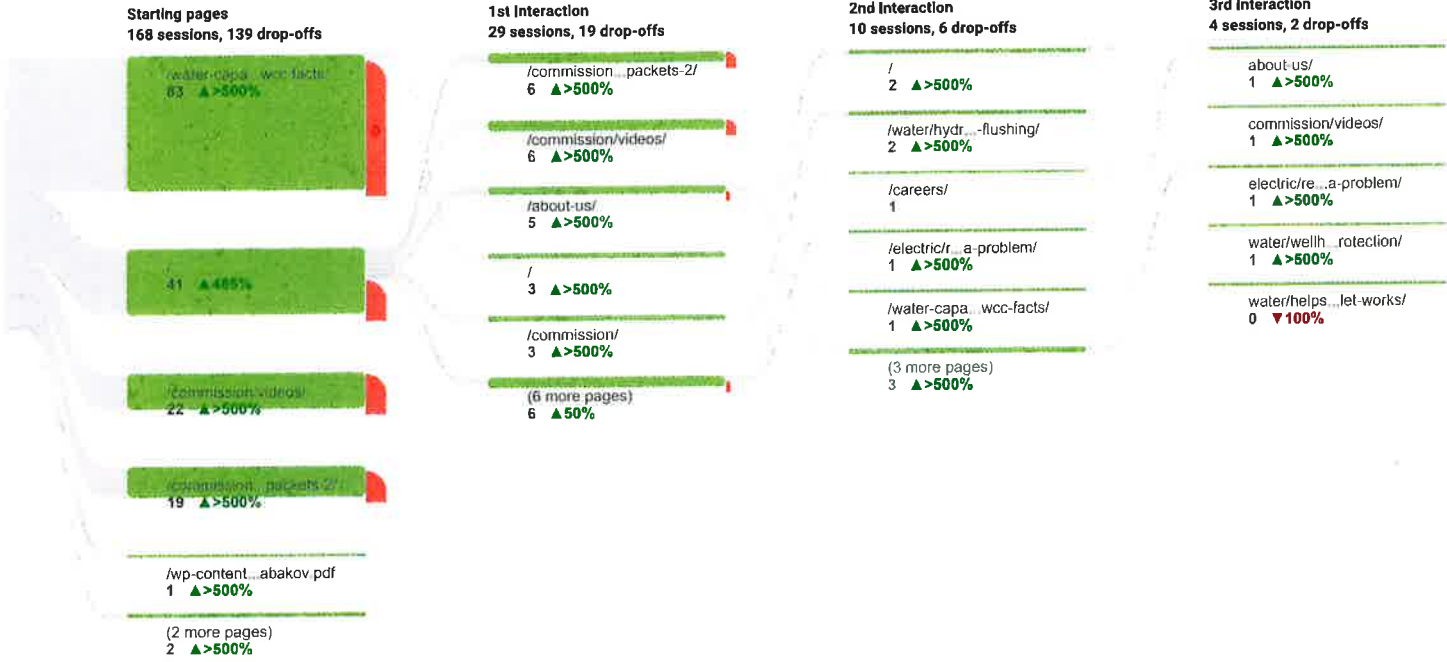
Rows 1 - 10 of 89

Social Users Flow

All Users
+0.00% Sessions

Social Network

Facebook
168 ▲>500%



Demographics: Overview

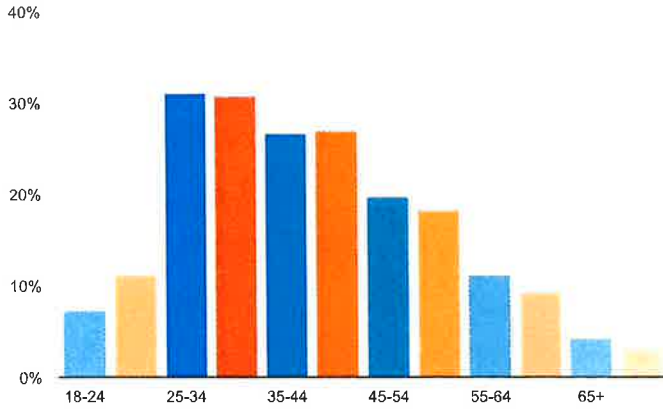
All Users
+0.00% Users

Jun 26, 2019 - Oct 2, 2019
Compare to: Jun 26, 2018 - Oct 2, 2018

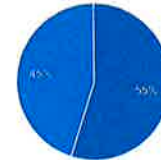
Key Metric:

Age 42.14% of total users

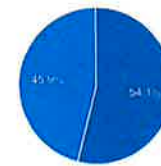
Gender 40.19% of total users









■ male ■ female
Jun 26, 2019 - Oct 2, 2019



Jun 26, 2018 - Oct 2, 2018



TITLE	ID	CREATED	OWNER	FRAME	SIZE	VIEWS	EMBED
<input type="checkbox"/> 9 16 2019	20849958	09/24/2019	spuclon	720x400	1.68 GB	8	
<input type="checkbox"/> 9 3 2019	20799663	09/04/2019	spuclon	720x400	907 MB	12	
<input type="checkbox"/> 8 5 2019	20727984	08/06/2019	spuclon	720x400	1.79 GB	33	
<input type="checkbox"/> 7 15 2019	20667739	07/16/2019	spuclon	720x400	1.88 GB	27	
<input type="checkbox"/> 7 1 2019	20461763	07/02/2019	spuclon	720x400	1.43 GB	19	
<input type="checkbox"/> Water Funds	20376358	06/19/2019	spuclon	720x400	34.5 MB	35	
<input type="checkbox"/> 6 17 2019	20374804	06/19/2019	spuclon	720x400	1.79 GB	30	