

AGENDA
SHAKOPEE PUBLIC UTILITIES COMMISSION
REGULAR MEETING
JANUARY 3, 2017

1. **Call to Order** at 5:00pm in the SPU Service Center, 255 Sarazin Street
2. **Approval of Minutes**
3. **Communications**
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 Analysis Review
9. **Reports: Electric Items**
 - 9a) Electric System Operations Report – Verbal
 - 9b) Clean Energy Choice Program
 - 9c) Shakopee Energy Park/Dean Lake Substation Construction Update
10. **Reports: Human Resources**
11. **Reports: General**
 - C=> 11a) Website Analytics - Review
12. **New Business**
13. **Tentative Dates for Upcoming Meetings**
 - Mid Month Meeting -- January 17 (Tuesday)
 - Regular Meeting -- February 6
 - Mid Month Meeting -- February 21 (Tuesday)
14. **Adjourn** to 1/17/17 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., December 19, 2016.

MEMBERS PRESENT: Commissioners Joos, Amundson, Olson and Weyer. Also present, Liaison Whiting, Utilities Manager Crooks, Finance Director Schmid, Planning & Engineering Director Adams, Line Superintendent Drent and Water Superintendent Schemel. Commissioner Helkamp was absent as previously advised.

Motion by Amundson, seconded by Weyer to approve the minutes of the December 5, 2016 Commission meeting. Motion carried.

There were no Communication items to report.

President Joos offered the agenda for approval.

Motion by Olson, seconded by Amundson to approve the agenda as presented. Motion carried.

Motion by Weyer, seconded by Olson to approve the Consent Business agenda as presented. Motion carried.

President Joos stated that the Consent Items were: item 8d: November Financials; and item 9c: Monthly Water Production Dashboard.

The warrant listing for bills paid December 19, 2016 was presented.

Motion by Olson, seconded by Amundson to approve the warrant listing dated December 19, 2016 as presented. Motion carried.

Liaison Whiting presented his report. Several items on the City Council Agenda were discussed, including street lighting, public realm design, tax levies and union contracts.

Finance Director Schmid presented the 2017 Water and Electric Operating Budget and Cash Flow.

Motion by Amundson, seconded by Weyer to offer Resolution #1151. A Resolution Establishing Water Rates In And For The City Of Shakopee. Ayes: Commissioners Weyer, Olson, Amundson and Joos. Nay: none. Motion carried. Resolution passed.

Motion by Amundson, seconded by Olson to offer Resolution #1152. A Resolution Adopting Fees And Charges For 2017. Ayes: Commissioners Amundson, Olson, Weyer and Joos. Nay: none. Motion carried. Resolution passed.

Item 8d: November Financials was received under Consent Business.

Water Superintendent Schemel provided a report on a watermain break that happened on December 9. An update on construction projects was also presented.

Motion by Olson, seconded by Weyer to offer Resolution #1153. A Resolution Determining The Necessity For And Authorizing The Conveyance Of Easements To The City Of Shakopee. Ayes: Commissioners Olson, Amundson, Weyer and Joos. Nay: none. Motion carried. Resolution passed.

Item 9c: Monthly Water Production Dashboard was received under Consent Business.

Line Superintendent Drent provided a report of current electric operations. There were no outages to report. Construction updates were provided.

Ms. Schmid presented an updated Job Description for the Information Technician Position.

Motion by Weyer, seconded by Olson to offer Resolution #1154. Resolution Regulating Wage Ranges. Ayes: Commissioners Olson, Amundson, Weyer and Joos. Nay: none. Motion carried. Resolution passed.

The tentative commission meeting dates of Tuesday, January 3, 2017 and January 17 were noted.

Motion by Amundson, seconded by Olson to adjourn to the January 3, 2017 meeting. Motion carried.



Commission Secretary: John R. Crooks



SHAKOPEE PUBLIC UTILITIES COMMISSION

“Lighting the Way - Yesterday, Today and Beyond”

MEMORANDUM

TO: John R. Crooks, Utilities Manager *JRC*

FROM: Lon R. Schemel, Water Superintendent *LS*

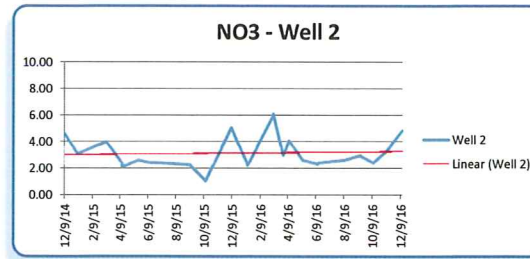
SUBJECT: Nitrate Results Update -- Advisory

DATE: December 27, 2016

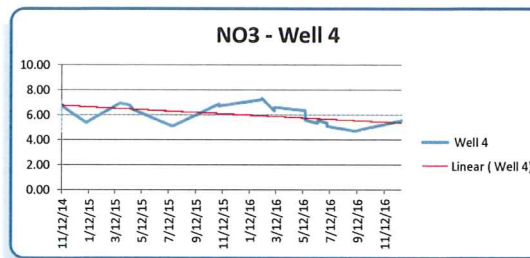
Attached are the latest nitrate test results for the wells. The analyses provided are for the prior 2 years of data collected with trend graphs.

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

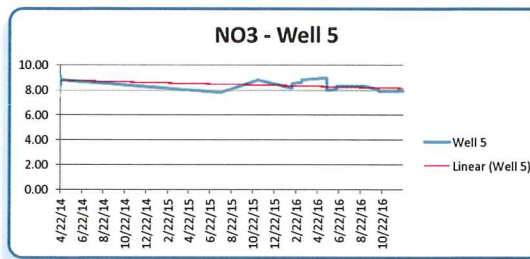
Location	Sample Collected	Results Received	Results	Lab	Run Time
2	12/9/14	12/15/14	4.63	MVTL	132 hrs prior
2	1/6/15	1/14/15	3.10	MVTL	128 hrs prior
2	3/10/15	3/16/15	3.95	MVTL	126 hrs prior
2	4/14/15	4/20/15	2.36	MVTL	75 hrs prior
2	4/14/15	4/30/15	2.10	MDH	
2	5/19/15	5/26/15	2.58	MVTL	288 hrs prior
2	6/9/15	6/16/15	2.43	MVTL	26 hrs prior
2	9/8/15	9/15/15	2.27	MVTL	132 hrs prior
2	10/13/15	10/19/15	1.03	MVTL	96 hrs prior
2	12/8/15	2/1/16	5.04	MVTL	132 hrs prior
2	1/12/16	1/25/16	2.22	MVTL	220 hrs prior
2	3/8/16	3/14/16	5.93	MVTL	168 hrs prior
2	3/8/16	8/30/16	6.10	MDH	
2	3/29/16	4/4/16	2.96	MVTL	312 hrs prior
2	4/12/16	4/19/16	4.05	MVTL	48 hrs prior
2	5/10/16	5/16/16	2.60	MVTL	144 hrs prior
2	5/10/16	6/2/16	2.60	MDH	
2	6/14/16	6/20/16	2.32	MVTL	168 hrs prior
2	6/14/16	7/22/16	2.40	MDH	
2	8/9/16	8/22/16	2.60	MVTL	132 hrs prior
2	9/13/16	9/28/16	2.94	MVTL	168 hrs prior
2	9/13/16	10/24/16	2.90	MDH	
2	10/11/16	10/17/16	2.42	MVTL	192 hrs prior
2	11/8/16	11/17/16	3.28	MVTL	168 hrs prior
2	12/13/16	12/19/16	4.82	MVTL	192 hrs prior



4	11/12/14	11/20/14	6.81	MVTL	210 hrs prior
4	11/12/14	12/29/14	6.70	MDH	
4	1/6/15	1/14/15	5.38	MVTL	220 hrs prior
4	3/24/15	3/30/15	6.90	MVTL	388 hrs prior
4	4/14/15	4/20/15	6.79	MVTL	96 hrs prior
4	4/23/15	7/8/15	6.40	MDH	163 hrs prior
4	7/21/15	7/29/15	5.10	MVTL	220 hrs prior
4	11/3/15	11/9/15	6.85	MVTL	168 hrs prior
4	11/3/15	4/29/16	6.70	MDH	
4	2/9/16	2/16/16	7.18	MVTL	112 hrs prior
4	2/9/16	4/29/16	7.30	MDH	
4	3/8/16	3/14/16	6.31	MVTL	144 hrs prior
4	3/8/16	8/30/16	6.60	MDH	
4	5/17/16	5/25/16	6.33	MVTL	168 hrs prior
4	5/17/16	11/10/16	5.60	MDH	
4	6/14/16	6/20/16	5.35	MVTL	168 hrs prior
4	7/5/16	7/12/16	5.37	MVTL	168 hrs prior
4	7/5/16	11/10/16	5.10	MDH	
4	6/14/16	7/22/16	5.60	MDH	
4	9/6/16	9/12/16	4.73	MVTL	220 hrs prior
4	10/11/16	10/17/16	5.04	MVTL	168 hrs prior
4	10/11/16	11/10/16	5.00	MDH	
4	12/20/16	12/27/16	5.57	MVTL	168 hrs prior

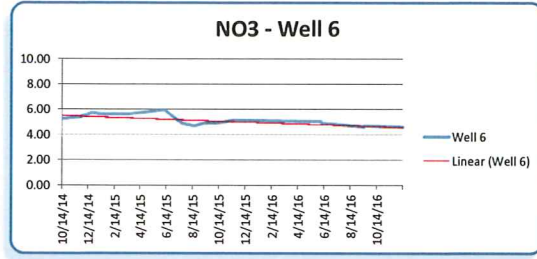


5	4/22/14	4/30/14	9.06	MVTL	72 hrs prior
5	4/22/14	6/16/14	8.40	MDH	*
5	4/23/14	5/7/14	8.82	MVTL	96 hrs prior
5	7/21/15	7/29/15	7.80	MVTL	210 hrs prior
5	11/3/15	11/9/15	8.78	MVTL	112 hrs prior
5	11/3/15	4/29/16	8.80	MDH	
5	2/9/16	2/16/16	8.18	MVTL	434 hrs prior
5	2/9/16	4/29/16	8.50	MDH	
5	3/8/16	3/14/16	8.62	MVTL	288 hrs prior
5	3/8/16	8/30/16	8.80	MDH	
5	5/17/16	5/25/16	8.96	MVTL	168 hrs prior
5	5/17/16	11/10/16	8.00	MDH	
5	6/14/16	6/20/16	8.08	MVTL	168 hrs prior
5	6/14/16	7/22/16	8.30	MDH	
5	9/6/16	9/12/16	8.30	MVTL	96 hrs prior
5	10/11/16	10/17/16	8.03	MVTL	168 hrs prior
5	10/11/16	11/10/16	7.90	MDH	
5	12/20/16	12/27/16	7.94	MVTL	168 hrs prior

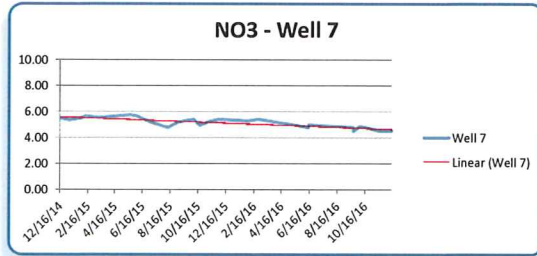


Shakopee Public Utilities Commission
Water Department
Nitrate Results
Reported in mg/L

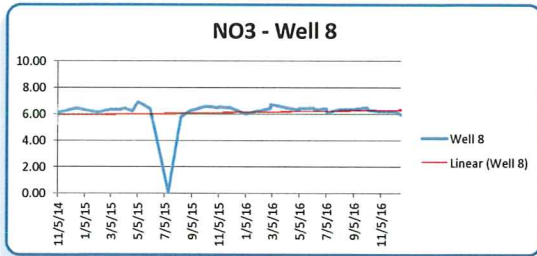
Location	Sample Collected	Results Received	Results	Lab	Run Time
6	10/14/14	10/23/14	5.23	MVTL	434 hrs prior
6	11/25/14	12/3/14	5.40	MVTL	312 hrs prior
6	12/23/14	1/5/15	5.69	MVTL	191 hrs prior
6	1/13/15	1/22/15	5.60	MVTL	145 hrs prior
6	3/17/15	3/30/15	5.61	MVTL	48 hrs prior
6	6/9/15	6/16/15	5.94	MVTL	96 hrs prior
6	7/21/15	7/29/15	4.86	MVTL	144 hrs prior
6	8/18/15	8/24/15	4.68	MVTL	696 hrs prior
6	9/8/15	9/15/15	4.89	MVTL	288 hrs prior
6	10/13/15	10/19/15	4.93	MVTL	192 hrs prior
6	11/17/15	11/23/15	5.15	MVTL	144 hrs prior
6	6/7/16	6/14/16	5.04	MVTL	195 hrs prior
6	6/7/16	7/22/16	4.90	MDH	
6	9/13/16	9/28/16	4.64	MVTL	216 hrs prior
6	9/13/16	10/24/16	4.70	MDH	
6	12/13/16	12/19/16	4.60	MVTL	240 hrs prior



7	12/16/14	12/24/14	5.50	MVTL	212 hrs prior
7	1/6/15	1/22/15	5.38	MVTL	159 hrs prior
7	2/3/15	2/9/15	5.51	MVTL	112 hrs prior
7	2/10/15	2/17/15	5.67	MVTL	144 hrs prior
7	3/10/15	3/16/15	5.52	MVTL	352 hrs prior
7	5/19/15	5/26/15	5.75	MVTL	158 hrs prior
7	6/2/15	6/8/15	5.66	MVTL	96 hrs prior
7	7/7/15	7/20/15	5.14	MVTL	144 hrs prior
7	8/11/15	8/17/15	4.77	MVTL	96 hrs prior
7	9/1/15	9/9/15	5.18	MVTL	144 hrs prior
7	10/6/15	10/14/15	5.41	MVTL	336 hrs prior
7	10/20/15	10/28/15	4.94	MVTL	144 hrs prior
7	11/10/15	11/16/15	5.24	MVTL	321 hrs prior
7	12/1/15	12/15/15	5.41	MVTL	352 hrs prior
7	2/2/16	2/8/16	5.29	MVTL	192 hrs prior
7	3/1/16	3/8/16	5.45	MVTL	140 hrs prior
7	3/1/16	8/30/16	5.40	MDH	
7	6/14/16	6/20/16	4.81	MVTL	188 hrs prior
7	6/14/16	7/22/16	5.00	MDH	
7	9/20/16	9/28/16	4.79	MVTL	216 hrs prior
7	9/20/16	10/24/16	4.50	MDH	
7	10/4/16	10/12/16	4.89	MVTL	216 hrs prior
7	11/15/16	11/21/16	4.55	MVTL	168 hrs prior
7	12/13/16	12/19/16	4.55	MVTL	240 hrs prior

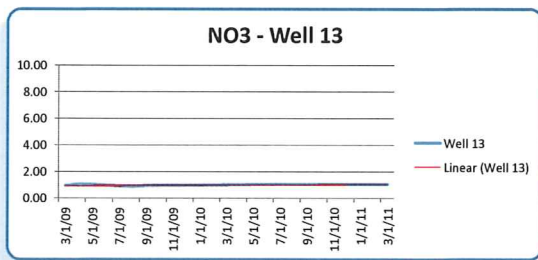
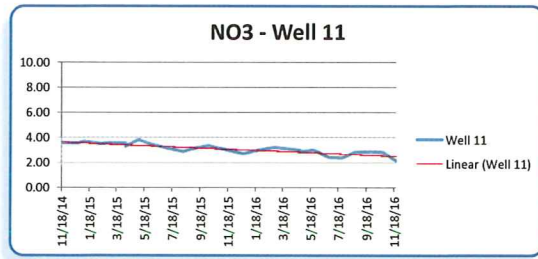
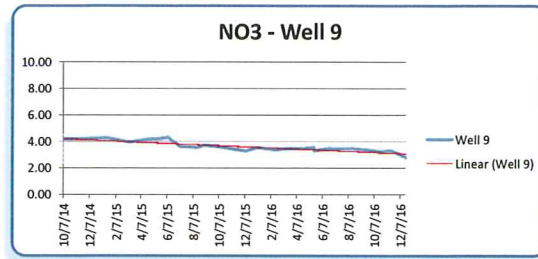


8	12/16/14	12/24/14	6.44	MVTL	124 hrs prior
8	11/5/14	12/29/14	6.10	MDH	
8	1/13/15	1/22/15	6.23	MVTL	212 hrs prior
8	2/3/15	2/9/15	6.12	MVTL	127 hrs prior
8	3/3/15	3/9/15	6.31	MVTL	336 hrs prior
8	3/24/15	3/30/15	6.32	MVTL	24 hrs prior
8	4/7/15	4/13/15	6.41	MVTL	192 hrs prior
8	4/23/15	7/8/15	6.20	MDH	312 hrs prior
8	5/5/15	5/18/15	6.87	MVTL	144 hrs prior
8	6/2/15	6/8/15	6.39	MVTL	192 hrs prior
8	7/14/15	7/20/15	0.05	MVTL	168 hrs prior
8	8/11/15	8/17/15	5.77	MVTL	120 hrs prior
8	9/1/15	9/9/15	6.24	MVTL	180 hrs prior
8	10/6/15	10/14/15	6.55	MVTL	192 hrs prior
8	11/3/15	11/9/15	6.46	MVTL	140 hrs prior
8	11/3/15	4/29/16	6.50	MDH	
8	12/1/15	12/15/15	6.46	MVTL	312 hrs prior
8	1/5/16	1/13/16	6.00	MVTL	96 hrs prior
8	2/2/16	2/8/16	6.24	MVTL	144 hrs prior
8	2/2/16	4/29/16	6.20	MDH	
8	3/1/16	3/8/16	6.43	MVTL	96 hrs prior
8	3/1/16	8/30/16	6.70	MDH	
8	4/5/16	4/22/16	6.46	MVTL	336 hrs prior
8	5/3/16	5/9/16	6.30	MVTL	124 hrs prior
8	5/3/16	11/10/16	6.40	MDH	
8	6/7/16	6/14/16	6.44	MVTL	310 hrs prior
8	6/7/16	7/22/16	6.30	MDH	
8	7/5/16	7/12/16	6.40	MVTL	190 hrs prior
8	7/5/16	11/10/16	6.10	MDH	
8	8/2/16	8/9/16	6.33	MVTL	192 hrs prior
8	9/6/16	9/12/16	6.36	MVTL	140 hrs prior
8	10/4/16	10/12/16	6.48	MVTL	168 hrs prior
8	10/4/16	11/10/16	6.30	MDH	
8	11/1/16	11/7/16	6.20	MVTL	144 hrs prior
8	12/6/16	12/12/16	6.17	MVTL	216 hrs prior
8	12/20/16	12/27/16	5.95	MVTL	168 hrs prior



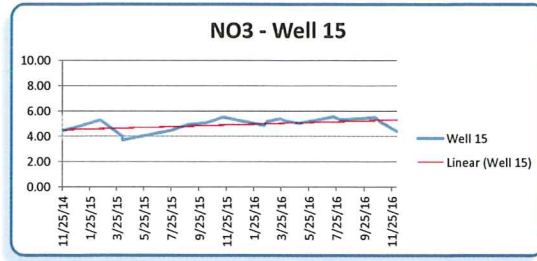
Shakopee Public Utilities Commission
 Water Department
 Nitrate Results
 Reported in mg/L

Location	Sample Collected	Results Received	Results	Lab	Run Time
9	10/7/14	10/17/14	4.17	MVTL	192 hrs prior
9	1/20/15	1/26/15	4.25	MVTL	144 hrs prior
9	3/10/15	3/16/15	3.96	MVTL	512 hrs prior
9	4/21/15	4/27/15	4.15	MVTL	240 hrs prior
9	5/19/15	5/26/15	4.20	MVTL	168 hrs prior
9	6/9/15	6/16/15	4.29	MVTL	24 hrs prior
9	7/7/15	7/20/15	3.62	MVTL	192 hrs prior
9	8/18/15	8/24/15	3.54	MVTL	24 hrs prior
9	9/1/15	9/9/15	3.75	MVTL	161 hrs prior
9	10/13/15	10/19/15	3.57	MVTL	150 hrs prior
9	12/8/15	2/1/16	3.28	MVTL	144 hrs prior
9	1/5/16	1/13/16	3.54	MVTL	168 hrs prior
9	2/16/16	2/23/16	3.40	MVTL	312 hrs prior
9	3/15/16	3/21/16	3.48	MVTL	168 hrs prior
9	4/19/16	4/25/16	3.48	MVTL	168 hrs prior
9	5/17/16	5/25/16	3.58	MVTL	212 hrs prior
9	5/17/16	6/2/16	3.30	MDH	
9	6/21/16	6/28/16	3.51	MVTL	144 hrs prior
9	7/19/16	7/25/16	3.47	MVTL	168 hrs prior
9	8/16/16	8/22/16	3.49	MVTL	192 hrs prior
9	9/20/16	9/28/16	3.39	MVTL	240 hrs prior
9	10/18/16	10/24/16	3.27	MVTL	168 hrs prior
9	11/15/16	11/21/16	3.32	MVTL	168 hrs prior
9	12/20/16	12/27/16	2.81	MVTL	144 hrs prior
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
11	11/18/14	11/24/14	3.58	MVTL	144 hrs prior
11	12/23/14	1/5/15	3.55	MVTL	281 hrs prior
11	1/6/15	1/14/15	3.68	MVTL	168 hrs prior
11	2/10/15	2/17/15	3.50	MVTL	148 hrs prior
11	3/3/15	3/9/15	3.56	MVTL	192 hrs prior
11	4/7/15	4/13/15	3.57	MVTL	144 hrs prior
11	4/7/15	4/23/15	3.30	MDH	
11	5/5/15	5/18/15	3.81	MVTL	60 hrs prior
11	6/2/15	6/8/15	3.46	MVTL	100 hrs prior
11	7/21/15	7/29/15	3.05	MVTL	288 hrs prior
11	8/11/15	8/17/15	2.90	MVTL	144 hrs prior
11	9/8/15	9/15/15	3.17	MVTL	144 hrs prior
11	10/6/15	10/14/15	3.36	MVTL	300 hrs prior
11	12/22/15	12/30/15	2.71	MVTL	168 hrs prior
11	1/12/16	1/25/16	2.92	MVTL	192 hrs prior
11	2/23/16	2/29/16	3.20	MVTL	132 hrs prior
11	3/1/16	3/8/16	3.23	MVTL	60 hrs prior
11	4/26/16	5/2/16	2.99	MVTL	192 hrs prior
11	4/26/16	5/26/16	2.90	MDH	
11	5/24/16	6/2/16	3.02	MVTL	264 hrs prior
11	6/28/16	7/6/16	2.42	MVTL	216 hrs prior
11	7/26/16	8/1/16	2.40	MVTL	126 hrs prior
11	8/23/16	8/31/16	2.85	MVTL	168 hrs prior
11	9/27/16	10/3/16	2.89	MVTL	168 hrs prior
11	10/25/16	10/31/16	2.84	MVTL	192 hrs prior
11	11/22/16	12/1/16	2.15	MVTL	216 hrs prior
12	12/17/13	12/23/13	3.01	TCWC	144 hrs prior
12	1/21/14	1/29/14	1.70	TCWC	168 hrs prior
12	2/4/14	2/10/14	2.21	TCWC	144 hrs prior
12	4/23/14	5/7/14	1.27	MVTL	192 hrs prior
12	4/23/14	6/16/14	1.30	MDH	*
12	8/12/14	8/20/14	2.10	MVTL	162 hrs prior
12	9/23/14	10/2/14	2.28	MVTL	132 hrs prior
12	10/13/15	10/19/15	2.35	MVTL	126 hrs prior
13	3/12/09	3/26/09	0.96	MVTL	46 hrs prior
13	4/14/09	4/27/09	1.10	MVTL	60 hrs prior
13	8/4/09	8/12/09	0.90	MVTL	1013 hrs prior
13	9/24/09	10/5/09	0.98	MVTL	51 hrs prior
13	7/14/10	7/27/10	1.07	MVTL	42 hrs prior
13	3/11/11	3/16/11	1.08	MVTL	100 hrs prior
14	3/11/11	3/16/11	< 0.20	MVTL	90 hrs prior
14	2/12/13	2/19/13	Absent	TCWC	126 hrs prior
14	1/21/14	1/29/14	< 1.00	TCWC	168 hrs prior
14	4/23/14	5/7/14	< 0.20	MVTL	24 hrs prior
14	4/23/14	6/16/14	< 0.05	MDH	*

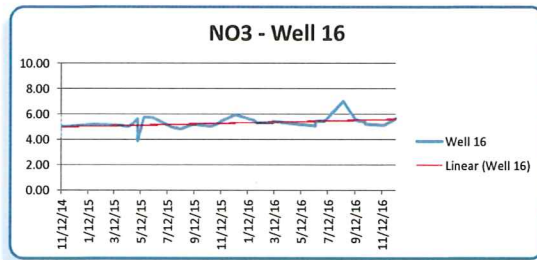


Shakopee Public Utilities Commission
Water Department
Nitrate Results
Reported in mg/L

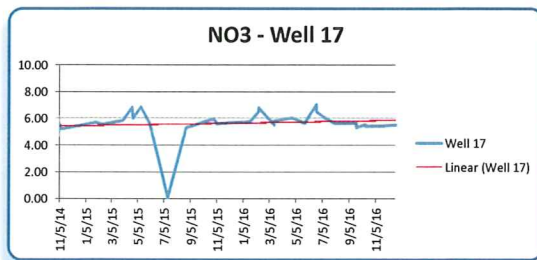
Location	Sample Collected	Results Received	Results	Lab	Run Time
15	11/25/14	12/3/14	4.42	MVTL	200 hrs prior
15	2/3/15	2/9/15	5.11	MVTL	132 hrs prior
15	2/17/15	2/23/15	5.27	MVTL	60 hrs prior
15	4/7/15	4/13/15	4.00	MVTL	144 hrs prior
15	4/7/15	4/23/15	3.70	MDH	
15	7/28/15	8/3/15	4.49	MVTL	96 hrs prior
15	8/4/15	8/10/15	4.58	MVTL	144 hrs prior
15	9/1/15	9/9/15	4.91	MVTL	200 hrs prior
15	10/13/15	10/19/15	5.05	MVTL	132 hrs prior
15	11/17/15	11/23/15	5.50	MVTL	336 hrs prior
15	1/5/16	1/13/16	5.15	MVTL	312 hrs prior
15	12/8/15	2/1/16	5.33	MVTL	168 hrs prior
15	2/16/16	2/23/16	4.86	MVTL	144 hrs prior
15	2/23/16	2/29/16	5.16	MVTL	172 hrs prior
15	3/22/16	3/28/16	5.36	MVTL	72 hrs prior
15	4/5/16	4/22/16	5.20	MVTL	144 hrs prior
15	5/3/16	5/9/16	5.00	MVTL	288 hrs prior
15	5/3/16	5/26/16	5.00	MDH	
15	7/19/16	7/25/16	5.52	MVTL	144 hrs prior
15	8/2/16	8/9/16	5.29	MVTL	120 hrs prior
15	9/27/16	10/3/16	5.41	MVTL	216 hrs prior
15	10/18/16	10/24/16	5.48	MVTL	216 hrs prior
15	11/1/16	11/7/16	5.08	MVTL	192 hrs prior
15	12/6/16	12/12/16	4.38	MVTL	168 hrs prior



16	11/12/14	11/20/14	5.05	MVTL	144 hrs prior
16	11/12/14	12/29/14	5.00	MDH	
16	1/20/15	1/26/15	5.16	MVTL	137 hrs prior
16	3/24/15	3/30/15	5.11	MVTL	172 hrs prior
16	4/14/15	4/20/15	5.01	MVTL	168 hrs prior
16	4/23/15	7/8/15	5.20	MDH	120 hrs prior
16	5/5/15	5/18/15	5.61	MVTL	144 hrs prior
16	5/5/15	5/18/15	3.86	MVTL	144 hrs prior
16	5/19/15	5/26/15	5.70	MVTL	168 hrs prior
16	6/9/15	6/16/15	5.68	MVTL	120 hrs prior
16	7/21/15	7/29/15	4.98	MVTL	312 hrs prior
16	8/11/15	8/17/15	4.80	MVTL	144 hrs prior
16	9/8/15	9/15/15	5.17	MVTL	120 hrs prior
16	10/20/15	10/28/15	5.04	MVTL	48 hrs prior
16	11/10/15	11/16/15	5.33	MVTL	172 hrs prior
16	11/10/15	4/29/16	5.40	MDH	
16	12/15/15	12/21/15	5.92	MVTL	144 hrs prior
16	1/26/16	2/1/16	5.48	MVTL	120 hrs prior
16	2/2/16	2/8/16	5.29	MVTL	312 hrs prior
16	2/2/16	4/29/16	5.30	MDH	
16	3/8/16	3/14/16	5.30	MVTL	168 hrs prior
16	3/8/16	8/30/16	5.40	MDH	
16	6/14/16	6/20/16	5.05	MVTL	360 hrs prior
16	6/14/16	7/22/16	5.40	MDH	
16	7/5/16	7/12/16	5.45	MVTL	312 hrs prior
16	8/16/16	8/22/16	7.01	MVTL	120 hrs prior
16	9/13/16	9/28/16	5.50	MVTL	168 hrs prior
16	9/13/16	10/24/16	5.50	MDH	
16	10/4/16	10/12/16	5.35	MVTL	168 hrs prior
16	10/4/16	11/10/16	5.20	MDH	
16	11/15/16	11/21/16	5.10	MVTL	144 hrs prior
16	12/13/16	12/19/16	5.63	MVTL	312 hrs prior

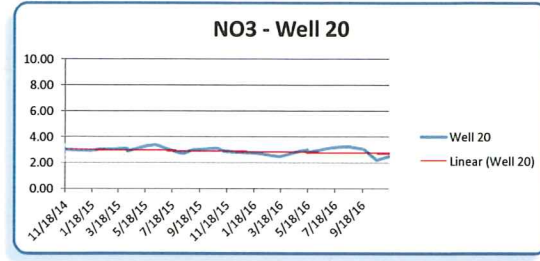


17	11/5/14	11/14/14	5.51	MVTL	48 hrs prior
17	11/5/14	12/29/14	5.20	MDH	
17	1/27/15	2/4/15	5.68	MVTL	192 hrs prior
17	2/10/15	2/17/15	5.54	MVTL	144 hrs prior
17	3/31/15	4/13/15	5.84	MVTL	168 hrs prior
17	4/23/15	7/8/15	6.00	MDH	211 hrs prior
17	4/21/15	4/27/15	6.82	MVTL	168 hrs prior
17	5/12/15	5/18/15	6.85	MVTL	312 hrs prior
17	6/2/15	6/8/15	5.57	MVTL	24 hrs prior
17	7/14/15	7/20/15	0.05	MVTL	144 hrs prior
17	8/25/15	9/1/15	5.31	MVTL	192 hrs prior
17	9/15/15	9/22/15	5.52	MVTL	312 hrs prior
17	10/27/15	11/5/15	5.95	MVTL	168 hrs prior
17	11/3/15	11/9/15	5.66	MVTL	144 hrs prior
17	11/3/15	4/29/16	5.60	MDH	
17	12/1/15	12/15/15	5.67	MVTL	168 hrs prior
17	1/19/16	1/26/16	5.73	MVTL	144 hrs prior
17	2/9/16	2/16/16	6.51	MVTL	180 hrs prior
17	2/9/16	4/29/16	6.80	MDH	
17	3/15/16	3/21/16	5.52	MVTL	288 hrs prior
17	3/15/16	8/30/16	5.80	MDH	
17	4/26/16	5/2/16	6.02	MVTL	172 hrs prior
17	5/24/16	6/2/16	5.63	MVTL	144 hrs prior
17	6/21/16	6/20/16	7.04	MVTL	312 hrs prior
17	6/21/16	8/30/16	6.50	MDH	
17	7/12/16	7/18/16	5.98	MVTL	216 hrs prior
17	7/12/16	11/10/16	6.00	MDH	
17	8/2/16	8/9/16	5.62	MVTL	120 hrs prior
17	9/20/16	9/28/16	5.64	MVTL	216 hrs prior
17	9/20/16	10/24/16	5.30	MDH	
17	10/11/16	10/17/16	5.54	MVTL	144 hrs prior
17	10/11/16	11/10/16	5.40	MDH	
17	11/22/16	12/1/16	5.44	MVTL	192 hrs prior
17	12/20/16	12/27/16	5.53	MVTL	192 hrs prior

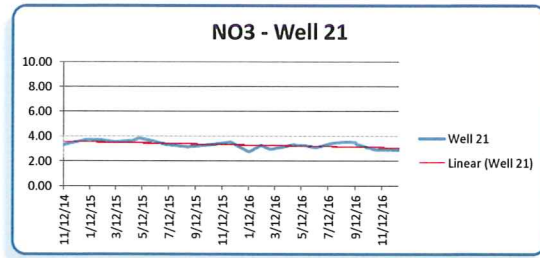


Shakopee Public Utilities Commission
 Water Department
 Nitrate Results
 Reported in mg/L

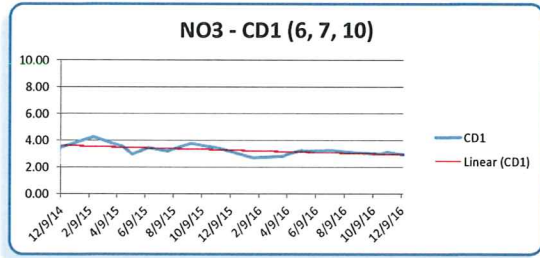
Location	Sample Collected	Results Received	Results	Lab	Run Time
20	11/18/14	11/24/14	3.02	MVTL	211 hrs prior
20	1/13/15	1/22/15	2.95	MVTL	94 hrs prior
20	2/3/15	2/9/15	3.01	MVTL	288 hrs prior
20	3/3/15	3/9/15	3.03	MVTL	180 hrs prior
20	4/7/15	4/13/15	3.09	MVTL	768 hrs prior
20	4/7/15	4/23/15	2.90	MDH	
20	5/19/15	5/26/15	3.26	MVTL	336 hrs prior
20	6/9/15	6/16/15	3.36	MVTL	162 hrs prior
20	7/28/15	8/3/15	2.82	MVTL	120 hrs prior
20	8/11/15	8/17/15	2.71	MVTL	211 hrs prior
20	9/1/15	9/9/15	2.99	MVTL	180 hrs prior
20	10/27/15	11/5/15	3.11	MVTL	120 hrs prior
20	11/10/15	11/16/15	2.90	MVTL	288 hrs prior
20	12/8/15	2/1/16	2.83	MVTL	120 hrs prior
20	1/19/16	1/26/16	2.78	MVTL	165 hrs prior
20	3/15/16	3/21/16	2.48	MVTL	162 hrs prior
20	4/19/16	4/25/16	2.81	MVTL	216 hrs prior
20	5/17/16	5/25/16	3.02	MVTL	120 hrs prior
20	5/17/16	6/2/16	2.80	MDH	
20	6/21/16	6/28/16	3.03	MVTL	768 hrs prior
20	7/19/16	7/25/16	3.19	MVTL	144 hrs prior
20	8/16/16	8/22/16	3.23	MVTL	159 hrs prior
20	9/20/16	9/28/16	3.05	MVTL	216 hrs prior
20	10/18/16	10/24/16	2.20	MVTL	144 hrs prior
20	11/15/16	11/21/16	2.49	MVTL	192 hrs prior



21	11/12/14	11/20/14	3.37	MVTL	312 hrs prior
21	12/9/14	12/15/14	3.57	MVTL	312 hrs prior
21	1/6/15	1/14/15	3.75	MVTL	172 hrs prior
21	2/10/15	2/17/15	3.69	MVTL	165 hrs prior
21	3/10/15	3/16/15	3.56	MVTL	120 hrs prior
21	4/21/15	4/27/15	3.68	MVTL	162 hrs prior
21	5/5/15	5/18/15	3.86	MVTL	159 hrs prior
21	6/2/15	6/8/15	3.68	MVTL	168 hrs prior
21	7/7/15	7/20/15	3.36	MVTL	172 hrs prior
21	8/25/15	9/1/15	3.18	MVTL	312 hrs prior
21	10/20/15	10/28/15	3.37	MVTL	168 hrs prior
21	12/1/15	12/15/15	3.57	MVTL	165 hrs prior
21	1/12/16	1/25/16	2.77	MVTL	368 hrs prior
21	2/9/16	2/16/16	3.31	MVTL	144 hrs prior
21	3/1/16	3/8/16	2.98	MVTL	160 hrs prior
21	4/26/16	5/2/16	3.35	MVTL	165 hrs prior
21	4/26/16	5/26/16	3.30	MDH	
21	5/21/16	6/2/16	3.29	MVTL	312 hrs prior
21	6/14/16	6/20/16	3.12	MVTL	144 hrs prior
21	7/26/16	8/1/16	3.52	MVTL	211 hrs prior
21	8/23/16	8/31/16	3.57	MVTL	162 hrs prior
21	9/13/16	9/28/16	3.54	MVTL	216 hrs prior
21	9/13/16	10/24/16	3.40	MDH	
21	10/26/16	11/7/16	2.97	MVTL	120 hrs prior
21	11/22/16	12/1/16	2.98	MVTL	120 hrs prior
21	12/20/16	12/27/16	2.94	MVTL	144 hrs prior

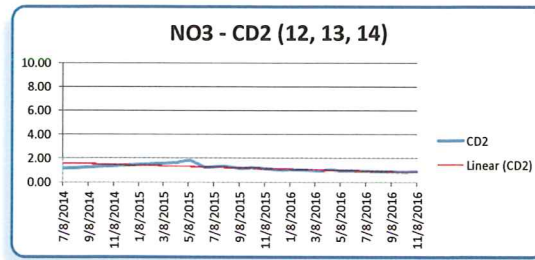


Combined Discharge - Wells 6-7-10					
CD 1	12/9/14	12/15/14	3.47	MVTL	224 hrs prior
CD 1	2/17/15	2/23/15	4.25	MVTL	168 hrs prior
CD 1	3/31/15	4/13/15	3.75	MVTL	78 hrs prior
CD 1	4/21/15	4/27/15	3.56	MVTL	168 hrs prior
CD 1	5/12/15	5/18/15	2.98	MVTL	144 hrs prior
CD 1	6/16/15	6/26/15	3.45	MVTL	212 hrs prior
CD 1	7/28/15	8/3/15	3.21	MVTL	24 hrs prior
CD 1	8/4/15	8/10/15	3.30	MVTL	368 hrs prior
CD 1	9/15/15	9/22/15	3.76	MVTL	168 hrs prior
CD 1	11/17/15	11/23/15	3.39	MVTL	160 hrs prior
CD 1	1/26/16	2/1/16	2.71	MVTL	168 hrs prior
CD 1	3/31/16	4/22/16	2.83	MVTL	211 hrs prior
CD 1	4/12/16	4/19/16	3.01	MVTL	180 hrs prior
CD 1	5/10/16	5/16/16	3.25	MVTL	120 hrs prior
CD 1	5/10/16	6/2/16	3.20	MDH	
CD 1	6/21/16	6/28/16	3.23	MVTL	162 hrs prior
CD 1	7/12/16	7/18/16	3.26	MVTL	212 hrs prior
CD 1	8/9/16	8/22/16	3.17	MVTL	165 hrs prior
CD 1	9/13/16	9/28/16	3.07	MVTL	168 hrs prior
CD 1	10/25/16	10/31/16	3.01	MVTL	144 hrs prior
CD 1	11/8/16	11/17/16	3.14	MVTL	368 hrs prior
CD 1	12/13/16	12/18/16	2.95	MVTL	168 hrs prior



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

Location	Sample Collected	Results Received	Results	Lab	Run Time
Combined Discharge - Wells 12-13-14					
CD 2	7/8/2014	7/14/2014	1.16	MVTL	212 hrs prior
CD 2	4/14/2015	4/20/2015	1.65	MVTL	192 hrs prior
CD 2	4/14/2015	4/30/2015	1.70	MDH	
CD 2	5/12/2015	5/18/2015	1.82	MVTL	144 hrs prior
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

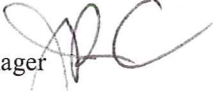





SHAKOPEE PUBLIC UTILITIES

“Lighting the Way – Yesterday, Today and Beyond”

December 27, 2016

TO: John Crooks, Utilities Manager 

FROM: Sharon Walsh, Director of Marketing and Customer Relations 

SUBJECT: Introduction of “Clean Energy Choice”

Overview

MMPA has introduced a new sustainable, green energy program for its members, titled **Clean Energy Choice**. This program is designed to offer our residential customers an inexpensive option to purchase more renewable energy than the current 17% supplied by MMPA. It will replace existing green programs, such as our current Eco Energy block program. **Clean Energy Choice** has been structured to provide an easy, streamlined enrollment and participation process that is affordable for our customers. For only \$3.00 per month, customers can have the equivalent of 100% of their monthly energy usage supplied by sustainable resources, such as wind, solar or bio-energy. If they prefer, they can have 75% of their usage supplied for a \$2.00 surcharge, or 50% for a \$1.00 surcharge.

The **Clean Energy Choice** program is a great option for those customers interested in reducing the overall carbon footprint and increasing the “green” share of the grid. SPU has been working with MMPA on the launch of this program for the last six months. We did two custom teaser mailings in 2016. Please see attached. No details were provided about the program; rather, we wanted customers to start thinking about choice and the impact they can make on the grid. We also wanted those customers who have inquired about green options to know we’ve heard their requests and are responding to them. Additionally, we want all customers to know we are looking to the future and the needs of generations to come. The fact that customers can purchase 100% of their monthly energy usage from renewable resources for less than the cost of one specialty coffee is pretty remarkable.

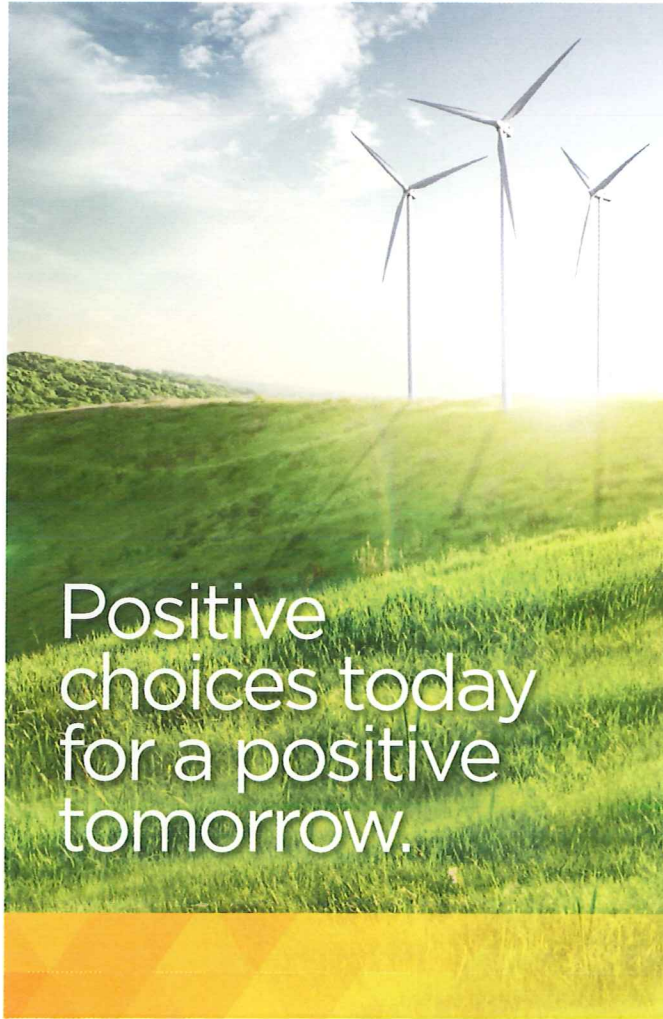
The primary marketing channel will be the **Clean Energy Choice** website maintained by MMPA. This website will be customized with the SPU branding. A link to this website will exist on spucweb.com. Customers can enroll in the program on this site and/or learn more about the program. The enrollment process requires the customer’s SPU account number as well as their personal address information to ensure we are accurately enrolling and billing the correct customer. The enrollment data is sent to SPU from MMPA and we will update the customer account information within Daffron. Customers can unsubscribe and will be removed from the program within one billing cycle. Residential customers already enrolled in our Eco Energy program will receive a notice and will automatically be enrolled in **Clean Energy Choice**, with the option to opt out if they so choose.

SPU plans to launch this program March 1, 2017 – tying in sunnier days, March winds, fresh start, etc. Between now and then, communication materials are being developed that reinforce the branding message seen in the first two teaser mailings and will highlight the choice factor for our customers. The Daffron system is also being setup and tested to accommodate the new charge ID’s necessary for the billing of this program. We will create an ongoing promotional campaign to drive program awareness and ultimately increased enrollment throughout 2017 and beyond.

Action Requested

No action requested.

Post Office Box 470 • 255 Sarazin Street • Shakopee, Minnesota 55379-0470
 (952) 445-1988 • Fax (952) 445-7767 • www.spucweb.com



Positive
choices today
for a positive
tomorrow.

Choose your energy source.
Choose your footprint.

Watch for more information.
The power of choice is coming.



SHAKOPEE PUBLIC UTILITIES

255 Sarazin Street • PO Box 470
Shakopee, MN 55379
952.445.1988 • www.spucweb.com



Renewable



SHAKOPEE PUBLIC UTILITIES
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What if the power to
make a smaller footprint
was really in your hands?

It is. And for a lot less than you think.
Watch for enrollment opportunities.

 www.facebook.com/shakopeeutilities
 spucweb.com





SHAKOPEE PUBLIC UTILITIES

“Lighting the Way – Yesterday, Today and Beyond”

December 29th 2016

TO: John Crooks, Utilities Manager *JAC*

FROM: Greg Drent, Electric Superintendent *GWD*

Subject: Dean Lake Substation Update

Dean Lake Substation Update:

The Dean Lake Substation upgrade is proceeding as planned and designed. Hooper has installed the 13.8kv wires from the transformer to the control building and terminations are complete. The control and fiber cables are being installed and terminated by Hooper. After the cables are installed then L&S Electric tests the cables. Hooper is waiting on some control cable to be delivered before they can complete this task. The 13.8v power cables from CB3 to CB2 have been installed and terminated. The power cables from CB3 to CB1 are being installed and terminated next week. Once that task is complete L&S Electric has to test the cables before we can energize them.

The DG circuits are installed, terminated and the testing is being done by L&S Electric. The testing of the DG circuits is scheduled for the week of January 2nd. L&S Electric plans on having the control building testing done by January 16th. The DG plant is scheduled to run the week of January 16th up to 19.8MW into our distribution system. The DG plant did sync to our distribution system at 1MW level on the temporary service and everything went according to plan. There is some additional relay testing that needs to be done after transformer #3 is energized. Dean Lake #2 transformer circuit switchgear SF6 gas has been added and we are monitoring the levels.

Hooper is working the transmission ring buss for Xcel and the feed to Dean Lake #3 transformer and is just about complete. Xcel is working on the ring buss relay settings and testing. We have a meeting scheduled for January 5th to get a progress report.

The Shakopee distribution conduits are being installed by NPL and their work is complete. They will be back in the spring and finish restoration dirt work and seeding.

SHAKOPEE PUBLIC UTILITIES
MEMORANDUM

TO: John R. Crooks, Utilities Manager

FROM: Lon R. Schemel, Water Superintendent

SUBJECT: **WEBSITE UPDATE**

DATE: December 28, 2016

This update is for September 29, 2016 to December 27, 2016.

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 September 29, 2015 to December 27, 2015.



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SiteLock has verified this website: 12/28/2016

spucweb.com



Company Name

Shakopee Public Utilities

Domain

spucweb.com

Verified spam-free

12/28/2016

Verified malware-free

12/28/2016

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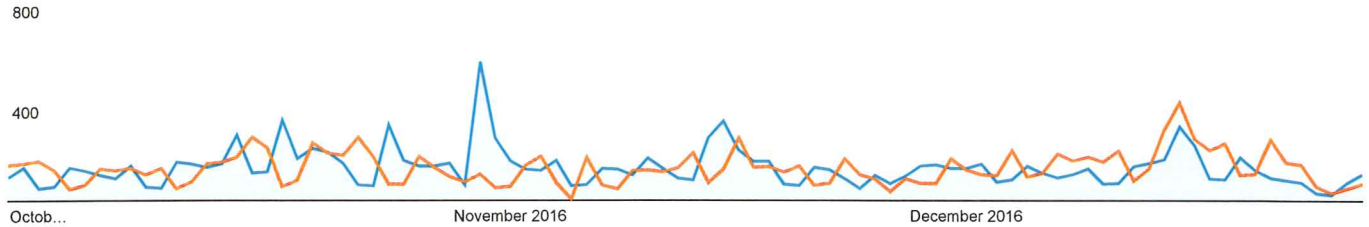
Audience Overview

Sep 29, 2016 - Dec 27, 2016
Compare to: Sep 29, 2015 - Dec 27, 2015

All Users
+0.00% Sessions

Overview

Sep 29, 2016 - Dec 27, 2016: Sessions
Sep 29, 2015 - Dec 27, 2015: Sessions



Sessions

1.46%
11,710 vs 11,541



Users

-5.16%
7,500 vs 7,908



Pageviews

17.36%
25,524 vs 21,748



Pages / Session

15.67%
2.18 vs 1.89



Avg. Session Duration

12.32%
00:02:16 vs 00:02:01



Bounce Rate

4.83%
28.68% vs 27.36%



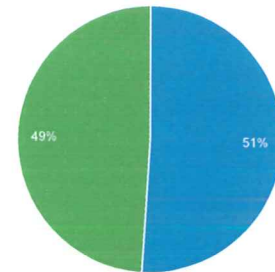
% New Sessions

-6.77%
50.96% vs 54.67%

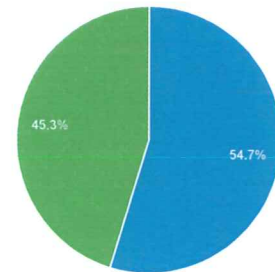


New Visitor Returning Visitor

Sep 29, 2016 - Dec 27, 2016



Sep 29, 2015 - Dec 27, 2015



Language	Sessions	% Sessions
1. en-us		
Sep 29, 2016 - Dec 27, 2016	11,263	96.18%
Sep 29, 2015 - Dec 27, 2015	11,413	98.89%
% Change	-1.31%	-2.74%
2. (not set)		
Sep 29, 2016 - Dec 27, 2016	162	1.38%
Sep 29, 2015 - Dec 27, 2015	16	0.14%
% Change	912.50%	897.89%
3. Secret.google.com You are invited! Enter only with this ticket URL. Copy it. Vote for Trump!		
Sep 29, 2016 - Dec 27, 2016	122	1.04%
Sep 29, 2015 - Dec 27, 2015	0	0.00%
% Change	100.00%	100.00%
4. c		

Sep 29, 2016 - Dec 27, 2016	29	0.25%	
Sep 29, 2015 - Dec 27, 2015	6	0.05%	
% Change	383.33%	376.36%	
5. en-gb			
Sep 29, 2016 - Dec 27, 2016	23	0.20%	
Sep 29, 2015 - Dec 27, 2015	14	0.12%	
% Change	64.29%	61.91%	
6. es-419			
Sep 29, 2016 - Dec 27, 2016	22	0.19%	
Sep 29, 2015 - Dec 27, 2015	9	0.08%	
% Change	144.44%	140.92%	
7. en			
Sep 29, 2016 - Dec 27, 2016	12	0.10%	
Sep 29, 2015 - Dec 27, 2015	47	0.41%	
% Change	-74.47%	-74.84%	
8. es-xl			
Sep 29, 2016 - Dec 27, 2016	11	0.09%	
Sep 29, 2015 - Dec 27, 2015	7	0.06%	
% Change	57.14%	54.87%	
9. vi			
Sep 29, 2016 - Dec 27, 2016	10	0.09%	
Sep 29, 2015 - Dec 27, 2015	1	0.01%	
% Change	900.00%	885.57%	
10. Vitaly rules google ☆*。 ° `.* \ (^@^)/** ° 。。:* ☆ ~\ (ツ) 〃 ~ (益益) (移_移) (e_@) 〚 (移_移) (°_°) \ (° 〃) / ϕ : ° ? 〇 〇 〇 〇 〇 〇 〇 〇 〇 〇 〇 〇 (= ^ ^ =) 〇 〇			
Sep 29, 2016 - Dec 27, 2016	9	0.08%	
Sep 29, 2015 - Dec 27, 2015	0	0.00%	
% Change	100.00%	100.00%	



Devices

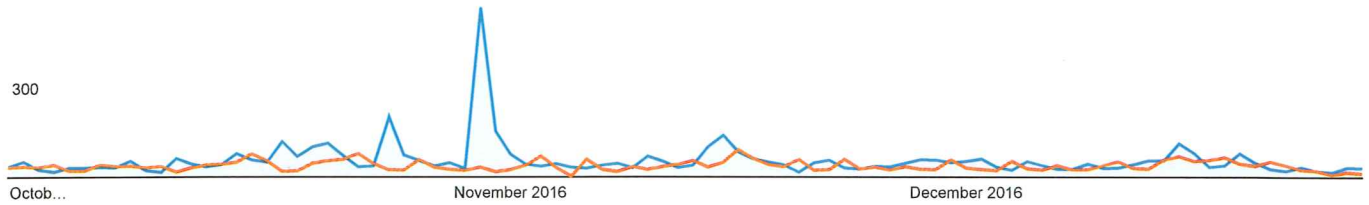
Sep 29, 2016 - Dec 27, 2016
Compare to: Sep 29, 2015 - Dec 27, 2015

All Users
+12.49% Sessions

Explorer

Summary

Sep 29, 2016 - Dec 27, 2016: Sessions
Sep 29, 2015 - Dec 27, 2015: Sessions



Mobile Device Info	Acquisition			Behavior			Conversions eCommerce		
	Sessions	% New Sessions	New Users	Bounce Rate	Pages / Session	Avg. Session Duration	Transactions	Revenue	Ecommerce Conversion Rate
	51.47% ▲ 4,432 vs 2,926	3.31% ▲ 52.82% vs 51.13%	56.48% ▲ 2,341 vs 1,496	16.42% ▲ 31.68% vs 37.90%	33.56% ▲ 2.66 vs 1.99	17.12% ▲ 00:02:17 vs 00:01:57	0.00% 0 vs 0	0.00% \$0.00 vs \$0.00	0.00% 0.00% vs 0.00%
1. Apple iPhone									
Sep 29, 2016 - Dec 27, 2016	1,740 (39.26%)	52.76%	918 (39.21%)	28.45%	2.77	00:02:15	0 (0.00%)	\$0.00 (0.00%)	0.00%
Sep 29, 2015 - Dec 27, 2015	1,075 (36.74%)	50.05%	538 (35.96%)	46.79%	1.96	00:01:43	0 (0.00%)	\$0.00 (0.00%)	0.00%
% Change	61.86%	5.42%	70.63%	-39.20%	41.47%	31.63%	0.00%	0.00%	0.00%
2. Apple iPad									
Sep 29, 2016 - Dec 27, 2016	464 (10.47%)	54.09%	251 (10.72%)	34.05%	1.68	00:02:00	0 (0.00%)	\$0.00 (0.00%)	0.00%
Sep 29, 2015 - Dec 27, 2015	484 (16.54%)	52.07%	252 (16.84%)	35.12%	1.77	00:02:05	0 (0.00%)	\$0.00 (0.00%)	0.00%
% Change	-4.13%	3.90%	-0.40%	-3.05%	-4.96%	-3.89%	0.00%	0.00%	0.00%
3. (not set)									
Sep 29, 2016 - Dec 27, 2016	106 (2.39%)	59.43%	63 (2.69%)	24.53%	2.06	00:02:24	0 (0.00%)	\$0.00 (0.00%)	0.00%
Sep 29, 2015 - Dec 27, 2015	210 (7.18%)	50.48%	106 (7.09%)	19.52%	1.74	00:01:49	0 (0.00%)	\$0.00 (0.00%)	0.00%
% Change	-49.52%	17.75%	-40.57%	25.63%	18.00%	31.64%	0.00%	0.00%	0.00%
4. Samsung SM-G930V Galaxy S7									
Sep 29, 2016 - Dec 27, 2016	76 (1.71%)	52.63%	40 (1.71%)	36.84%	3.14	00:02:44	0 (0.00%)	\$0.00 (0.00%)	0.00%
Sep 29, 2015 - Dec 27, 2015	0 (0.00%)	0.00%	0 (0.00%)	0.00%	0.00	00:00:00	0 (0.00%)	\$0.00 (0.00%)	0.00%
% Change	∞%	∞%	∞%	∞%	∞%	∞%	0.00%	0.00%	0.00%
5. Samsung SM-G900V Galaxy S5									
Sep 29, 2016 - Dec 27, 2016	61 (1.38%)	65.57%	40 (1.71%)	32.79%	3.10	00:02:05	0 (0.00%)	\$0.00 (0.00%)	0.00%

Sep 29, 2015 - Dec 27, 2015	14 (2.53%)	48.65%	30 (2.41%)	35.14%	2.41	00:02:15	0 (0.00%)	\$0.00 (0.00%)	0.00%
% Change	-17.57%	34.79%	11.11%	-6.68%	28.81%	-7.10%	0.00%	0.00%	0.00%
6. Samsung SM-G920V Galaxy S6									
Sep 29, 2016 - Dec 27, 2016	56 (1.26%)	51.79%	29 (1.24%)	30.36%	3.07	00:02:51	0 (0.00%)	\$0.00 (0.00%)	0.00%
Sep 29, 2015 - Dec 27, 2015	22 (0.75%)	59.09%	13 (0.87%)	40.91%	1.95	00:00:48	0 (0.00%)	\$0.00 (0.00%)	0.00%
% Change	154.55%	-12.36%	123.08%	-25.79%	57.14%	253.24%	0.00%	0.00%	0.00%
7. Samsung SM-G930T Galaxy S7									
Sep 29, 2016 - Dec 27, 2016	52 (1.17%)	57.69%	30 (1.28%)	26.92%	2.56	00:00:42	0 (0.00%)	\$0.00 (0.00%)	0.00%
Sep 29, 2015 - Dec 27, 2015	0 (0.00%)	0.00%	0 (0.00%)	0.00%	0.00	00:00:00	0 (0.00%)	\$0.00 (0.00%)	0.00%
% Change	∞%	∞%	∞%	∞%	∞%	∞%	0.00%	0.00%	0.00%
8. Samsung SM-G935F Galaxy S7 Edge									
Sep 29, 2016 - Dec 27, 2016	52 (1.17%)	48.08%	25 (1.07%)	36.54%	2.88	00:02:47	0 (0.00%)	\$0.00 (0.00%)	0.00%
Sep 29, 2015 - Dec 27, 2015	0 (0.00%)	0.00%	0 (0.00%)	0.00%	0.00	00:00:00	0 (0.00%)	\$0.00 (0.00%)	0.00%
% Change	∞%	∞%	∞%	∞%	∞%	∞%	0.00%	0.00%	0.00%
9. Microsoft Xbox One									
Sep 29, 2016 - Dec 27, 2016	47 (1.06%)	68.09%	32 (1.37%)	17.02%	2.13	00:03:12	0 (0.00%)	\$0.00 (0.00%)	0.00%
Sep 29, 2015 - Dec 27, 2015	0 (0.00%)	0.00%	0 (0.00%)	0.00%	0.00	00:00:00	0 (0.00%)	\$0.00 (0.00%)	0.00%
% Change	∞%	∞%	∞%	∞%	∞%	∞%	0.00%	0.00%	0.00%
10. Samsung SM-G920A Galaxy S6									
Sep 29, 2016 - Dec 27, 2016	46 (1.04%)	28.26%	13 (0.56%)	8.70%	2.96	00:02:20	0 (0.00%)	\$0.00 (0.00%)	0.00%
Sep 29, 2015 - Dec 27, 2015	0 (0.00%)	0.00%	0 (0.00%)	0.00%	0.00	00:00:00	0 (0.00%)	\$0.00 (0.00%)	0.00%
% Change	∞%	∞%	∞%	∞%	∞%	∞%	0.00%	0.00%	0.00%

Rows 1 - 10 of 411

Network Referrals

Sep 29, 2016 - Dec 27, 2016
Compare to: Sep 29, 2015 - Dec 27, 2015

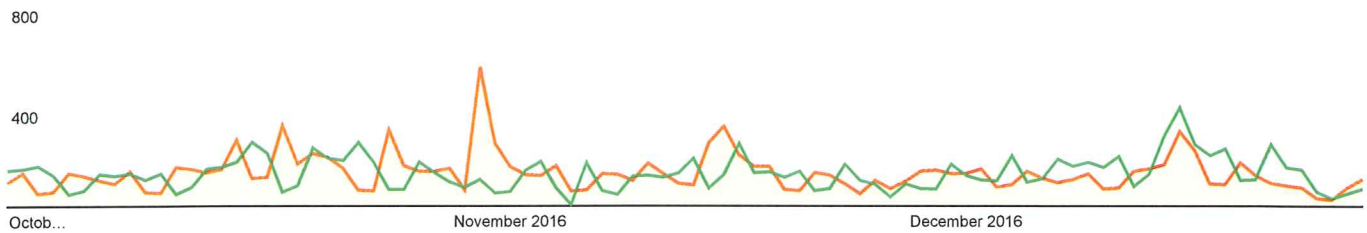
All Users
+0.00% Sessions

Social Referral

Sep 29, 2016 - Dec 27, 2016: Sessions via Social Referral
Sep 29, 2015 - Dec 27, 2015: Sessions via Social Referral



Sep 29, 2016 - Dec 27, 2016: All Sessions
Sep 29, 2015 - Dec 27, 2015: All Sessions



Social Network	Sessions	Pageviews	Avg. Session Duration	Pages / Session
1. Facebook				
Sep 29, 2016 - Dec 27, 2016	258 (84.04%)	335 (78.64%)	00:00:30	1.30
Sep 29, 2015 - Dec 27, 2015	5 (100.00%)	15 (100.00%)	00:01:45	3.00
% Change	5,060.00%	2,133.33%	-71.59%	-56.72%
2. reddit				
Sep 29, 2016 - Dec 27, 2016	33 (10.75%)	64 (15.02%)	00:05:17	1.94
Sep 29, 2015 - Dec 27, 2015	0 (0.00%)	0 (0.00%)	00:00:00	0.00
% Change	∞%	∞%	∞%	∞%
3. Twitter				
Sep 29, 2016 - Dec 27, 2016	8 (2.61%)	14 (3.29%)	00:04:41	1.75
Sep 29, 2015 - Dec 27, 2015	0 (0.00%)	0 (0.00%)	00:00:00	0.00
% Change	∞%	∞%	∞%	∞%
4. Stack Exchange				
Sep 29, 2016 - Dec 27, 2016	7 (2.28%)	12 (2.82%)	00:03:40	1.71
Sep 29, 2015 - Dec 27, 2015	0 (0.00%)	0 (0.00%)	00:00:00	0.00
% Change	∞%	∞%	∞%	∞%
5. LinkedIn				
Sep 29, 2016 - Dec 27, 2016	1 (0.33%)	1 (0.23%)	00:00:00	1.00
Sep 29, 2015 - Dec 27, 2015	0 (0.00%)	0 (0.00%)	00:00:00	0.00
% Change	∞%	∞%	∞%	∞%

Sep 29, 2015 - Dec 27, 2015

(0.00%)

(0.00%)

00:00:00

0.00

% Change

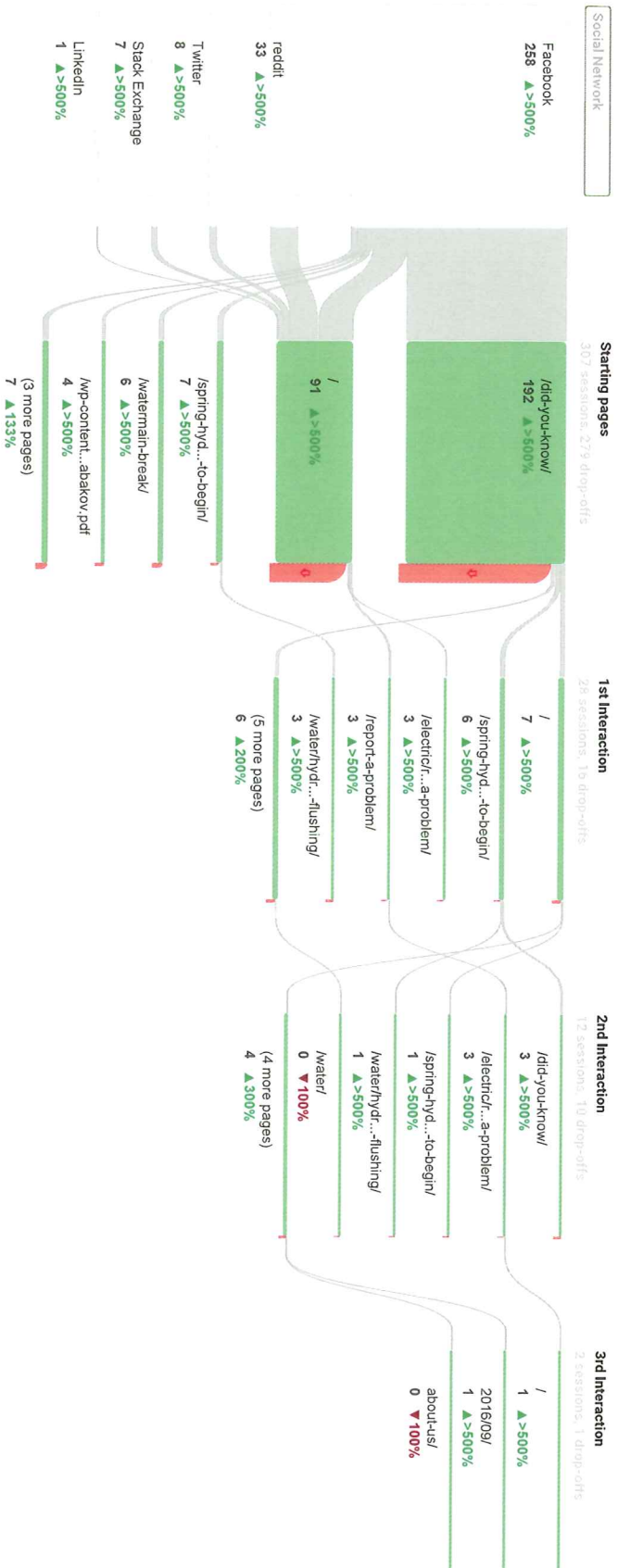
∞%

∞%

0.00%

∞%

Rows 1 - 5 of 5



Video #	Title	Uploaded	Frame Size	Duration	Size	Plays			
<input type="checkbox"/>	6854103	12 19 2016	SPUC	720x396	57m 13s	948mb	0	embed	Manage
<input type="checkbox"/>	6764438	12 5 2016	SPUC	720x396	36m 39s	840mb	4	embed	Manage
<input type="checkbox"/>	6673087	11 21 2016	SPUC	720x396	42m 42s	973mb	3	embed	Manage
<input type="checkbox"/>	6588451	11 7 2016	SPUC	720x396	1h 48m 38s	947mb	1	embed	Manage
<input type="checkbox"/>	8448257	10 17 2016	SPUC	720x396	20m 59s	635mb	2	embed	Manage
<input type="checkbox"/>	8362016	10 3 2016	SPUC	720x396	1h 7m 6s	940mb	3	embed	Manage
<input type="checkbox"/>	8294417	9 19 2016	SPUC	720x396	49m 53s	912mb	5	embed	Manage
<input type="checkbox"/>	8119848	9 6 2016	SPUC	720x396	1h 16m 56s	942mb	12	embed	Manage
<input type="checkbox"/>	7788987	8 1 2016	SPUC	720x396	1h 31m 27s	874mb	12	embed	Manage
<input type="checkbox"/>	7666648	7 18 2016	SPUC	720x396	1h 10m	918mb	1	embed	Manage
<input type="checkbox"/>	7431799	6 20 2016	SPUC	720x396	45m 45s	965mb	0	embed	Manage
<input type="checkbox"/>	7322002	6 6 2016	SPUC	720x396	40m 18s	673mb	8	embed	Manage
<input type="checkbox"/>	7105341	5 16 2016	SPUC	720x396	34m 17s	907mb	5	embed	Manage
<input type="checkbox"/>	6986530	5 2 2016	SPUC	720x396	32m 57s	930mb	3	embed	Manage
<input type="checkbox"/>	6869826	4 18 2016	SPUC	720x400	29m 55s	766mb	7	embed	Manage
<input type="checkbox"/>	6660627	3 21 2016	SPUC	720x400	1h 24m 56s	924mb	6	embed	Manage
<input type="checkbox"/>	6556460	3 7 2016	SPUC	720x400	45m 45s	990mb	5	embed	Manage
<input type="checkbox"/>	6395310	2 16 2016	SPUC	720x400	1h 42s	909mb	3	embed	Manage
<input type="checkbox"/>	6274469	2 1 2016	SPUC	720x396	49m 9s	923mb	2	embed	Manage
<input type="checkbox"/>	6202282	1 19 2016	SPUC	720x400	1h 4m 11s	937mb	2	embed	Manage
<input type="checkbox"/>	6066057	1 4 2016	SPUC	720x400	1h 34m 8s	754mb	13	embed	Manage
<input type="checkbox"/>	5990895	APPA Redes Field Cons...	SPUC	720x540	15m 33s	458mb	430	embed	Manage