

AGENDA
SHAKOPEE PUBLIC UTILITIES COMMISSION
REGULAR MEETING
October 2, 2017

1. **Call to Order** at 5:00pm in the SPUC 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
 - 8b) Quarterly Nitrate Report
 - C=> 8c) Monthly Water Production Dashboard
9. **Reports: Electric Items**
 - 9a) Electric System Operations Report – Verbal
10. **Reports: Human Resources**
11. **Reports: General**
 - 11a) Website Analytics
 - 11b) Service Center HVAC Unit Replacement
12. **New Business**
13. **Tentative Dates for Upcoming Meetings**

- Mid Month Meeting	--	October 16
- Regular Meeting	--	November 6
- Mid Month Meeting	--	November 20
- Regular Meeting	--	December 4
14. **Adjourn** to 10/16/17 at the SPUC Service Center, 255 Sarazin Street

MINUTES
OF THE
SHAKOPEE PUBLIC UTILITIES COMMISSION
(Regular Meeting)

President Amundson 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 18, 2017.

MEMBERS PRESENT: Commissioners Joos, Amundson, Helkamp, Hennen and Weyer. Also present, Utilities Manager Crooks, Finance Director Schmid, Planning & Engineering Director Adams, Line Superintendent Drent, Water Superintendent Schemel and Marketing/Customer Relations Director Walsh.

Motion by Weyer, seconded by Hennen to approve the minutes of the September 5, 2017 Commission meeting. Motion carried.

There were no Communication items.

President Amundson offered the agenda for approval.

Motion by Helkamp, seconded by Joos to approve the agenda as presented. Motion carried.

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

President Amundson stated that the Consent Items were: Item 11a: August 2017 Financial Results

The warrant listing for bills paid September 18, 2017 was presented.

Motion by Joos, seconded by Helkamp to approve the warrant listing dated September 18, 2017 as presented. Motion carried.

There was no Liaison Report.

Water Superintendent Schemel provided a report of current water operations. The Gateway South development is being completed and fire flows are being gathered. The punch list for the 2017 Reconstruction Project is still being worked on and the HyVee development is nearing completion.

Planning and Engineering Director Adams reviewed the Rahr water main loop bid results. This looping was authorized by the Commission to be a SPU cost. Several bids were received with Ryan Contracting being the lowest.

Motion by Joos, seconded by Helkamp to award the bid for the Rahr water main looping to Ryan Contracting in the amount of \$217,171. Motion carried.

Line Superintendent Drent provided a report of current electric operations. Warmer weather contributed to a peak demand of 89 MW last week. Three electric outages were reviewed and construction projects were updated.

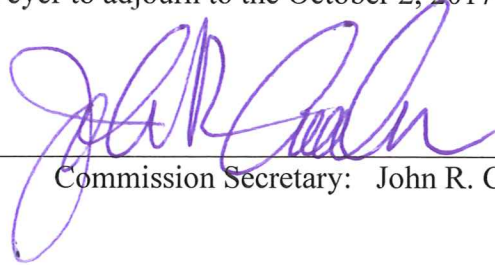
Mr. Drent provided an update on the 4 SPU linemen who traveled to Florida to assist with the restoration of electric power following Hurricane Irma.

Item 11a: August 2017 Financial Results was received under Consent Business.

Under New Business, Commission Helkamp donated a book that he won at the MMUA Summer Conference. The book, The American Lineman, will be placed in the SPU library.

The tentative commission meeting dates of October 2 and October 16 were noted.

Motion by Helkamp, seconded by Weyer to adjourn to the October 2, 2017 meeting. Motion carried.



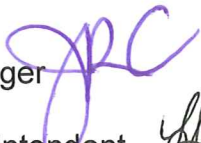

Commission Secretary: John R. Crooks



SHAKOPEE PUBLIC UTILITIES COMMISSION

"Lighting the Way - Yesterday, Today and Beyond"

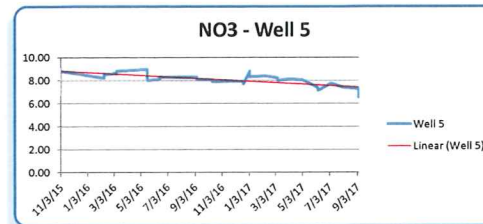
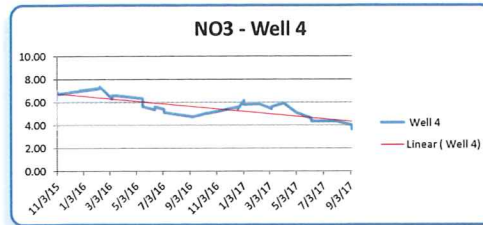
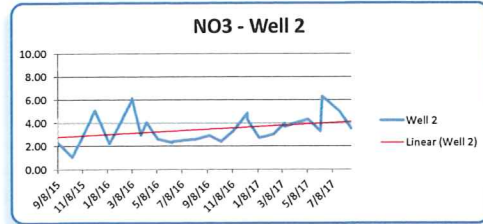
MEMORANDUM

TO: John R. Crooks, Utilities Manager 
FROM: Lon R. Schemel, Water Superintendent 
SUBJECT: Nitrate Results Update -- Advisory
DATE: September 26, 2017

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.

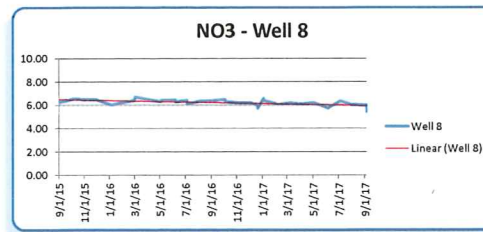
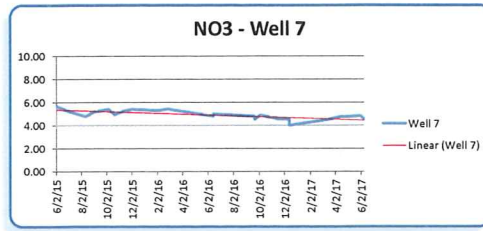
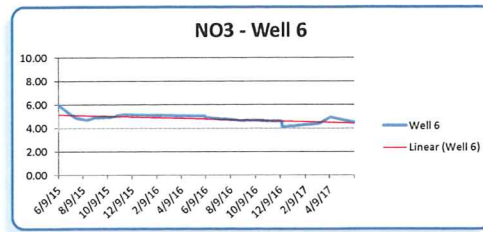
Shakopee Public Utilities Commission
 Water Department
 Nitrate Results
 Reported in mg/L

Location	Sample Collected	Results Received	Results	Lab	Run Time
2	9/8/15	9/15/15	2.27	MVTL	132 hrs prior
2	10/13/15	10/19/15	1.03	MVTL	98 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	8/2/16	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
2	12/13/16	2/9/17	4.30	MDH	
2	1/10/17	1/20/17	2.73	MVTL	168 hrs prior
2	2/14/17	3/6/17	3.02	MVTL	168 hrs prior
2	3/14/17	3/23/17	3.98	MVTL	168 hrs prior
2	3/14/17	4/24/17	3.70	MDH	
2	5/9/17	5/25/17	4.33	MVTL	168 hrs prior
2	6/8/17	6/28/17	3.30	MDH	168 hrs prior
2	6/8/17	7/27/17	3.40	MDH	
2	6/13/17	6/20/17	6.28	MVTL	192 hrs prior
2	7/25/17	8/1/17	5.00	MVTL	192 hrs prior
2	8/22/17	8/28/17	3.50	MVTL	168 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	9/6/16	2/9/17	4.70	MDH	
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
4	12/20/16	2/9/17	5.40	MDH	
4	1/3/17	1/16/17	6.15	MVTL	168 hrs prior
4	1/3/17	5/4/17	5.80	MDH	
4	2/7/17	2/14/17	5.84	MVTL	168 hrs prior
4	3/7/17	3/16/17	5.42	MVTL	168 hrs prior
4	3/7/17	4/24/17	5.60	MDH	
4	4/4/17	4/10/17	5.91	MVTL	168 hrs prior
4	5/2/17	5/10/17	5.10	MVTL	168 hrs prior
4	6/5/17	7/27/17	4.60	MDH	
4	6/6/17	6/14/17	4.33	MVTL	168 hrs prior
4	7/5/17	7/20/17	4.35	MVTL	168 hrs prior
4	8/1/17	8/7/17	4.35	MVTL	168 hrs prior
4	9/5/17	9/26/17	3.99	MVTL	168 hrs prior
4	9/5/17	9/26/17	3.60	MDH	
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	9/6/16	2/9/17	8.10	MDH	
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
5	12/20/16	2/9/17	7.70	MDH	
5	1/3/17	1/16/17	8.80	MVTL	168 hrs prior
5	1/3/17	5/4/17	8.30	MDH	
5	2/7/17	2/14/17	8.39	MVTL	168 hrs prior
5	3/7/17	3/18/17	8.22	MVTL	168 hrs prior
5	3/7/17	4/24/17	8.00	MDH	
5	4/4/17	4/10/17	8.12	MVTL	168 hrs prior
5	5/2/17	5/10/17	8.04	MVTL	168 hrs prior
5	6/5/17	7/27/17	7.40	MDH	
5	6/8/17	6/14/17	7.12	MVTL	168 hrs prior
5	7/5/17	7/20/17	7.74	MVTL	168 hrs prior
5	8/1/17	8/7/17	7.40	MVTL	168 hrs prior
5	9/5/17	9/26/17	7.27	MVTL	168 hrs prior
5	9/5/17	9/26/17	6.50	MDH	



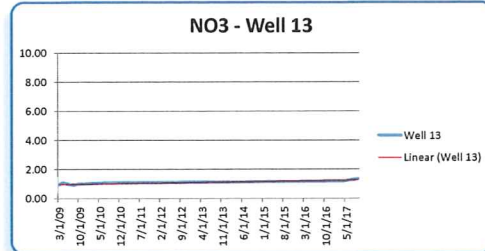
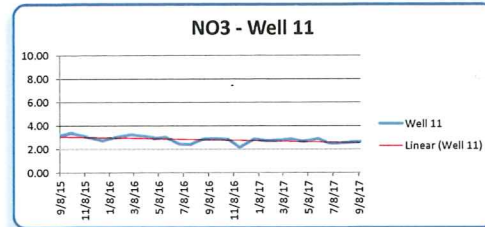
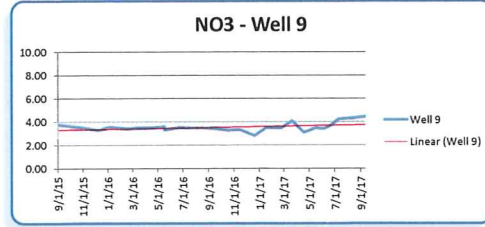
Shakopee Public Utilities Commission
Water Department
Nitrate Results
Reported in mg/L

Location	Sample Collected	Results Received	Results	Lab	Run Time
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
6	12/13/16	2/9/17	4.10	MDH	
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
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
7	12/13/16	2/9/17	4.00	MDH	
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
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	9/6/16	2/9/17	6.40	MDH	
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
8	12/20/16	2/9/17	5.70	MDH	
8	1/3/17	1/16/17	6.59	MVTL	168 hrs prior
8	1/3/17	5/4/17	6.40	MDH	
8	2/7/17	2/14/17	6.08	MVTL	168 hrs prior
8	3/7/17	3/18/17	6.16	MVTL	168 hrs prior
8	3/7/17	4/24/17	6.20	MDH	
8	4/4/17	4/10/17	6.07	MVTL	216 hrs prior
8	5/2/17	5/10/17	6.22	MVTL	168 hrs prior
8	6/6/17	6/14/17	5.71	MVTL	168 hrs prior
8	6/8/17	7/27/17	5.80	MDH	168 hrs prior
8	7/5/17	7/20/17	6.36	MVTL	144 hrs prior
8	8/1/17	8/7/17	6.03	MVTL	216 hrs prior
8	9/5/17	9/26/17	5.98	MVTL	216 hrs prior
8	9/5/17	9/26/17	5.40	MDH	



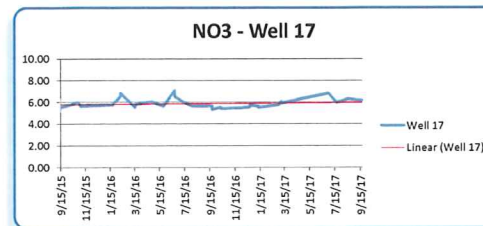
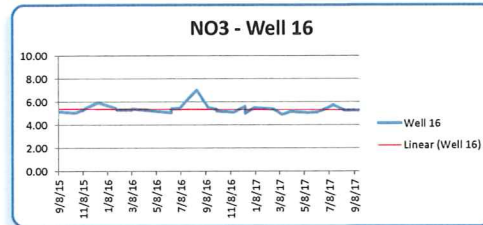
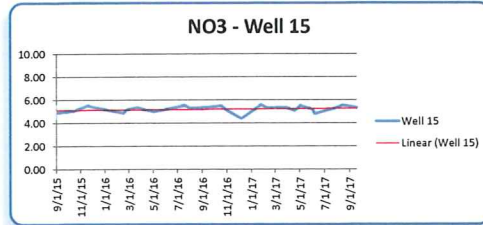
Shakopee Public Utilities Commission
 Water Department
 Nitrate Results
 Reported in mg/L

Location	Sample Collected	Results Received	Results	Lab	Run Time
9	9/1/15	9/9/15	3.75	MVTL	161 hrs prior
9	10/13/15	10/19/15	3.57	MVTL	160 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
9	1/17/17	1/27/17	3.49	MVTL	168 hrs prior
9	2/21/17	3/3/17	3.46	MVTL	168 hrs prior
9	3/21/17	3/27/17	4.06	MVTL	168 hrs prior
9	4/18/17	4/24/17	3.09	MVTL	168 hrs prior
9	5/16/17	5/25/17	3.47	MVTL	168 hrs prior
9	6/5/17	6/28/17	3.40	MDH	168 hrs prior
9	6/20/17	6/27/17	3.69	MVTL	168 hrs prior
9	7/11/17	7/20/17	4.23	MVTL	144 hrs prior
9	8/8/17	8/14/17	4.27	MVTL	168 hrs prior
9	9/12/17	9/26/17	4.40	MVTL	132 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
10	4/11/17	4/17/17	< 0.05	MVTL	168 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	5/2/16	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
11	12/27/16	1/4/17	2.86	MVTL	168 hrs prior
11	1/24/17	2/7/17	2.72	MVTL	216 hrs prior
11	2/28/17	3/8/17	2.77	MVTL	168 hrs prior
11	3/28/17	4/3/17	2.87	MVTL	168 hrs prior
11	4/25/17	5/4/17	2.67	MVTL	216 hrs prior
11	5/23/17	5/30/17	2.83	MVTL	168 hrs prior
11	6/1/17	6/15/17	2.90	MDH	192 hrs prior
11	6/27/17	7/5/17	2.50	MVTL	168 hrs prior
11	7/11/17	7/20/17	2.50	MVTL	168 hrs prior
11	8/8/17	8/14/17	2.55	MVTL	168 hrs prior
11	9/12/17	9/26/17	2.62	MVTL	168 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
12	4/11/17	4/17/17	0.92	MVTL	
12	9/5/17	9/26/17	0.72	MVTL	
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	3/1/11	3/16/11	1.08	MVTL	100 hrs prior
13	4/11/17	4/17/17	1.19	MVTL	48 hrs prior
13	9/5/17	9/26/17	1.35	MVTL	128 hrs prior



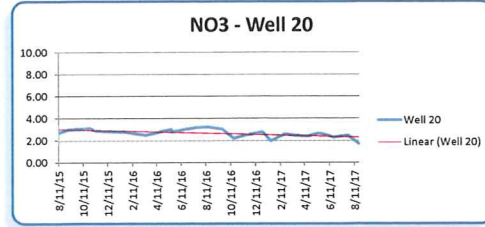
Shakopee Public Utilities Commission
Water Department
Nitrate Results
Reported in mg/L

Location	Sample Collected	Results Received	Results	Lab	Run Time
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	1.90	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	*
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
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
15	1/24/17	2/7/17	5.58	MVTL	168 hrs prior
15	2/7/17	2/14/17	5.34	MVTL	168 hrs prior
15	3/28/17	4/3/17	5.35	MVTL	168 hrs prior
15	4/18/17	4/24/17	5.08	MVTL	168 hrs prior
15	5/2/17	5/10/17	5.50	MVTL	144 hrs prior
15	6/1/17	6/15/17	5.20	MDH	168 hrs prior
15	6/6/17	6/14/17	4.80	MVTL	168 hrs prior
15	7/18/17	7/24/17	5.20	MVTL	168 hrs prior
15	8/15/17	8/21/17	5.54	MVTL	168 hrs prior
15	9/19/17	9/26/17	5.32	MVTL	168 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
16	12/13/16	2/9/17	5.00	MDH	
16	1/3/17	1/16/17	5.49	MVTL	168 hrs prior
16	2/21/17	3/3/17	5.39	MVTL	168 hrs prior
16	3/14/17	4/24/17	4.90	MDH	168 hrs prior
16	4/4/17	4/10/17	5.17	MVTL	168 hrs prior
16	5/16/17	5/25/17	5.07	MVTL	168 hrs prior
16	6/8/17	7/27/17	5.10	MDH	168 hrs prior
16	7/18/17	7/24/17	5.72	MVTL	168 hrs prior
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
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	4/28/16	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	12/23/16	12/27/16	5.53	MVTL	192 hrs prior
17	1/20/16	2/9/17	5.70	MDH	
17	1/10/17	1/20/17	5.61	MVTL	168 hrs prior
17	1/10/17	5/4/17	5.50	MDH	
17	2/28/17	3/8/17	5.75	MVTL	168 hrs prior
17	3/7/17	3/18/17	6.05	MVTL	168 hrs prior
17	3/7/17	4/24/17	5.90	MDH	
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	8/15/17	8/21/17	6.27	MVTL	168 hrs prior
17	9/19/17	9/26/17	6.13	MVTL	168 hrs prior

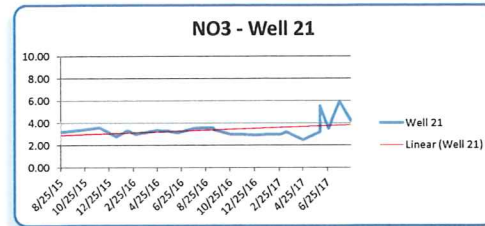


Shakopee Public Utilities Commission
 Water Department
 Nitrate Results
 Reported in mg/L

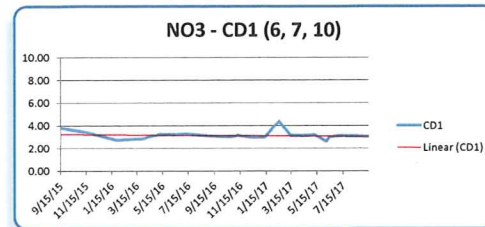
Location	Sample Collected	Results Received	Results	Lab	Run Time
20	8/11/15	8/17/15	2.71	MVTL	211 hrs prior
20	9/1/15	9/9/15	2.99	MVTL	180 hrs prior
20	10/27/15	11/5/15	3.11	MVTL	120 hrs prior
20	11/10/15	11/16/15	2.90	MVTL	288 hrs prior
20	12/8/15	2/1/16	2.83	MVTL	120 hrs prior
20	1/19/16	1/26/16	2.78	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
20	12/27/16	1/4/17	2.79	MVTL	168 hrs prior
20	1/17/17	1/27/17	1.97	MVTL	168 hrs prior
20	2/21/17	3/3/17	2.60	MVTL	168 hrs prior
20	3/21/17	3/27/17	2.47	MVTL	168 hrs prior
20	4/18/17	4/24/17	2.40	MVTL	168 hrs prior
20	5/16/17	5/25/17	2.68	MVTL	168 hrs prior
20	6/5/17	6/28/17	2.50	MDH	144 hrs prior
20	6/20/17	6/27/17	2.30	MVTL	168 hrs prior
20	7/25/17	8/1/17	2.49	MVTL	144 hrs prior
20	8/22/17	8/28/17	1.67	MVTL	192 hrs prior



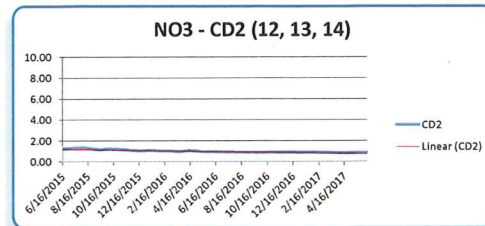
21	8/25/15	9/1/15	3.18	MVTL	312 hrs prior
21	10/20/15	10/28/15	3.37	MVTL	168 hrs prior
21	12/1/15	12/15/15	3.57	MVTL	165 hrs prior
21	1/12/16	1/25/16	2.77	MVTL	368 hrs prior
21	2/9/16	2/16/16	3.31	MVTL	144 hrs prior
21	3/1/16	3/8/16	2.98	MVTL	160 hrs prior
21	4/26/16	5/2/16	3.35	MVTL	165 hrs prior
21	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	7/28/16	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
21	12/20/16	2/9/17	2.90	MDH	
21	1/24/17	2/7/17	2.97	MVTL	168 hrs prior
21	2/28/17	3/8/17	2.98	MVTL	168 hrs prior
21	3/14/17	4/24/17	3.20	MDH	168 hrs prior
21	4/25/17	5/4/17	2.48	MVTL	168 hrs prior
21	6/8/17	6/28/17	3.20	MDH	144 hrs prior
21	6/8/17	7/27/17	5.50	MDH	
21	8/27/17	7/5/17	3.48	MVTL	168 hrs prior
21	7/25/17	8/1/17	5.90	MVTL	144 hrs prior
21	8/22/17	8/28/17	4.18	MVTL	192 hrs prior



Combined Discharge - Wells 6-7-10					
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	5/9/16	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
CD 1	1/10/17	1/20/17	2.96	MVTL	168 hrs prior
CD 1	2/14/17	3/6/17	4.35	MVTL	168 hrs prior
CD 1	3/14/17	3/23/17	3.11	MVTL	168 hrs prior
CD 1	4/11/17	4/17/17	3.11	MVTL	120 hrs prior
CD 1	5/9/17	5/25/17	3.19	MVTL	212 hrs prior
CD 1	6/5/17	6/28/17	2.60	MDH	168 hrs prior
CD 1	6/13/17	6/20/17	3.03	MVTL	168 hrs prior
CD 1	7/11/17	7/20/17	3.12	MVTL	168 hrs prior
CD 1	8/8/17	8/14/17	3.08	MVTL	168 hrs prior
CD 1	9/12/17	9/26/17	3.03	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



Monthly Water Dashboard

As of: August 2017

Shakopee Public Utilities Commission

8c

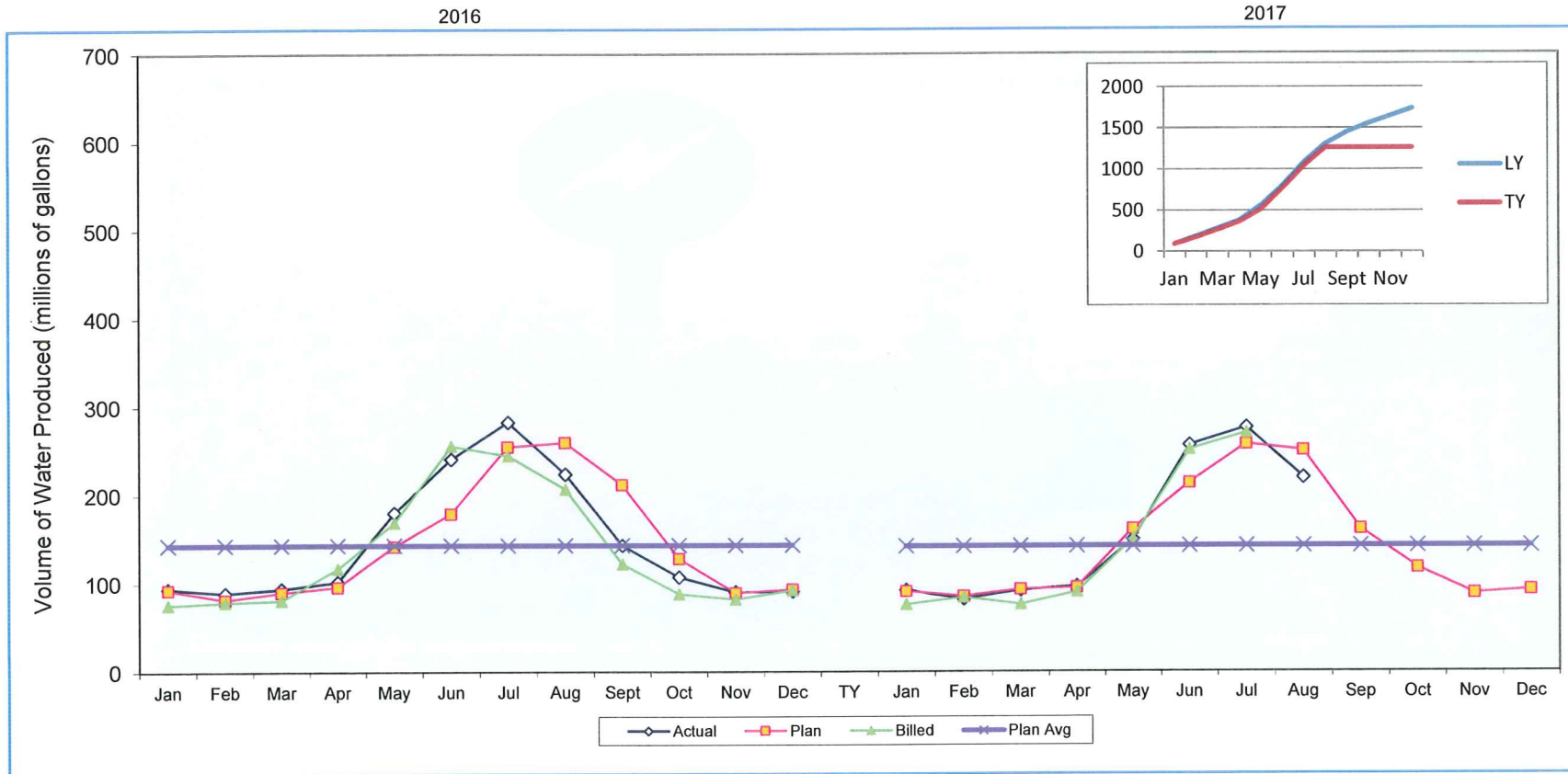
ALL VALUES IN MILLIONS OF GALLONS

Element/Measure Water Pumped/Metered

Averages

2014	140
2015	138
2016	145



Last 6 months actuals	92	96	149	256	276	219
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	LY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	TY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Actual		94	89	94	102	180	241	283	224	143	107	90	91		92	82	92	96	149	256	276	219				
Plan		93	82	90	96	142	179	255	260	212	128	89	93		91	85	93	95	161	213	257	250	161	117	88	92
YTD % *															101%	99%	99%	99%	97%	104%	105%	101%				
Billed		76	79	81	117	169	256	245	207	122	88	82	92		76	84	76	90	150	251	270					

* Actual gallons pumped vs. Plan

SHAKOPEE PUBLIC UTILITIES
MEMORANDUM

TO: John R. Crooks, Utilities Manager 
FROM: Lon R. Schemel, Water Superintendent 
SUBJECT: **WEBSITE UPDATE**
DATE: August 2, 2017

This update is for August 2, 2017, to September 27, 2017.

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 August 2, 2016, to September 27, 2016.



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: 09/28/2017

spucweb.com



Company Name

Shakopee Public Utilities

Domain

spucweb.com

Verified spam-free

09/28/2017

Verified malware-free

09/28/2017

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Malware & Threats



FIX

Website Issues



PREVENT

Website Attacks



ACCELERATE

Performance



COMPLY

with PCI

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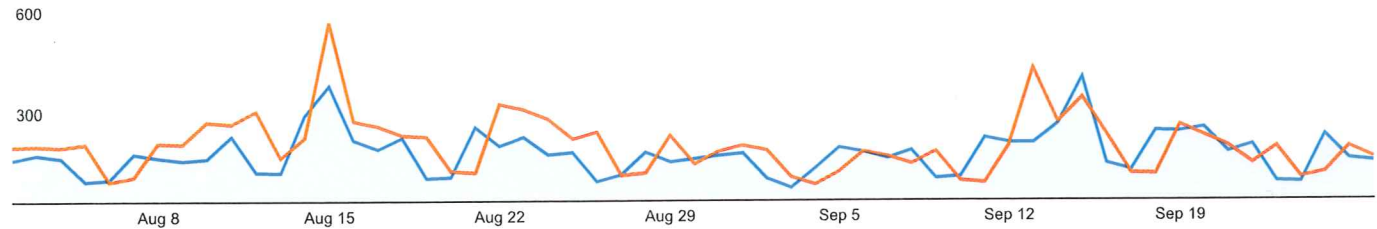
Audience Overview

All Users
+0.00% Sessions

Aug 2, 2017 - Sep 27, 2017
Compare to: Aug 2, 2016 - Sep 27, 2016

Overview

Aug 2, 2017 - Sep 27, 2017: Sessions
Aug 2, 2016 - Sep 27, 2016: Sessions



Sessions

-15.57%
7,998 vs 9,473



Users

-21.33%
5,430 vs 6,902



Pageviews

-10.81%
17,385 vs 19,493



Pages / Session

5.63%
2.17 vs 2.06



Avg. Session Duration

10.22%
00:02:17 vs 00:02:05



Bounce Rate

11.13%
28.32% vs 25.48%



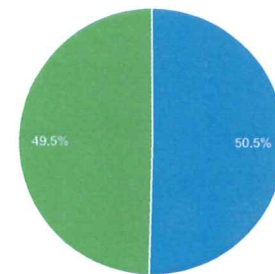
% New Sessions

-10.61%
49.51% vs 55.39%

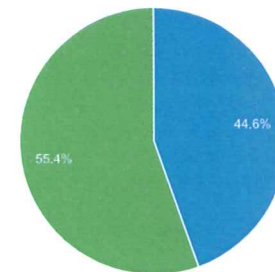


Returning Visitor New Visitor

Aug 2, 2017 - Sep 27, 2017



Aug 2, 2016 - Sep 27, 2016



Language

Sessions % Sessions

1. en-us

Aug 2, 2017 - Sep 27, 2017

7,917 98.99%

Aug 2, 2016 - Sep 27, 2016

9,319 98.37%

% Change

-15.04% **0.62%**

2. en-gb

Aug 2, 2017 - Sep 27, 2017

26 | 0.33%

Aug 2, 2016 - Sep 27, 2016

21 | 0.22%

% Change

23.81% **46.64%**

3. es-419

Aug 2, 2017 - Sep 27, 2017

10 | 0.13%

Aug 2, 2016 - Sep 27, 2016

8 | 0.08%

% Change

25.00% **48.05%**

4. zh-cn

Aug 2, 2017 - Sep 27, 2017

|

	5	0.06%
Aug 2, 2016 - Sep 27, 2016	4	0.04%
% Change	25.00%	48.05%
5. es-xl		
Aug 2, 2017 - Sep 27, 2017	4	0.05%
Aug 2, 2016 - Sep 27, 2016	5	0.05%
% Change	-20.00%	-5.25%
6. en		
Aug 2, 2017 - Sep 27, 2017	3	0.04%
Aug 2, 2016 - Sep 27, 2016	22	0.23%
% Change	-86.36%	-83.85%
7. en-ca		
Aug 2, 2017 - Sep 27, 2017	3	0.04%
Aug 2, 2016 - Sep 27, 2016	2	0.02%
% Change	50.00%	77.66%
8. en-securid		
Aug 2, 2017 - Sep 27, 2017	3	0.04%
Aug 2, 2016 - Sep 27, 2016	5	0.05%
% Change	-40.00%	-28.93%
9. es-us		
Aug 2, 2017 - Sep 27, 2017	3	0.04%
Aug 2, 2016 - Sep 27, 2016	6	0.06%
% Change	-50.00%	-40.78%
10. pt-br		
Aug 2, 2017 - Sep 27, 2017	3	0.04%
Aug 2, 2016 - Sep 27, 2016	6	0.06%
% Change	-50.00%	-40.78%

Users Flow

Aug 2, 2017 - Sep 27, 2017
Compare to: Aug 2, 2016 - Sep 27, 2016

All Users
+0.00% Sessions

Country

United States
7.8K ▼16%

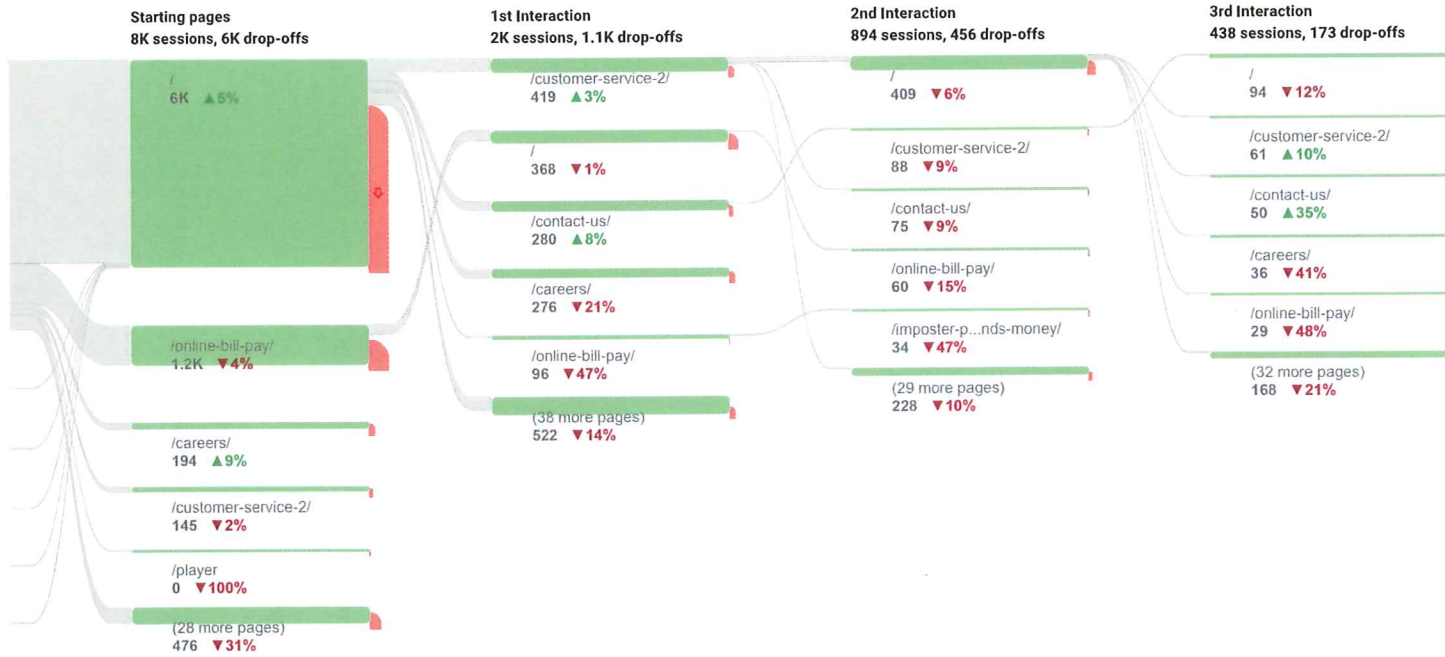
India
54 ▲107%

China
31 ▲>500%

Canada
13 ▼27%

United Kingdom
5 ▼82%

...
68 ▼8%



Devices

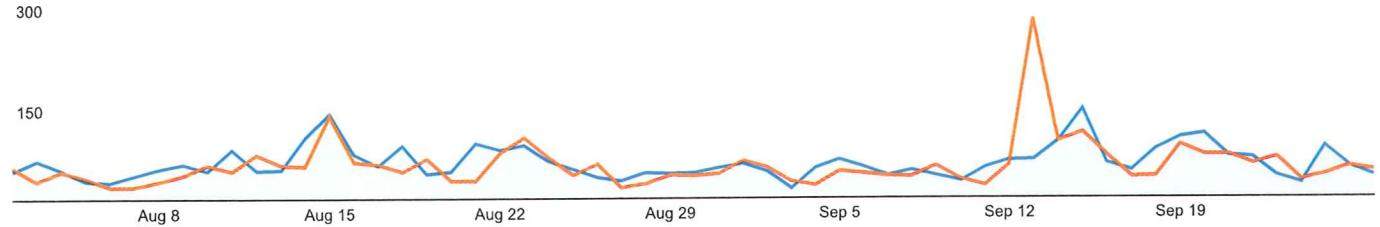
All Users
+7.79% Sessions

Aug 2, 2017 - Sep 27, 2017
Compare to: Aug 2, 2016 - Sep 27, 2016

Explorer

Summary

Aug 2, 2017 - Sep 27, 2017: Sessions
Aug 2, 2016 - Sep 27, 2016: 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
	6.68% ▲ 2,988 vs 2,801	10.09% ▼ 47.86% vs 53.23%	4.09% ▼ 1,430 vs 1,491	16.17% ▲ 28.01% vs 33.42%	3.48% ▲ 2.69 vs 2.60	4.38% ▲ 00:02:16 vs 00:02:11	0.00% 0 vs 0	0.00% \$0.00 vs \$0.00	0.00% 0.00% vs 0.00%
1. Apple iPhone									
Aug 2, 2017 - Sep 27, 2017	1,299 (43.47%)	50.19%	652 (45.59%)	28.41%	2.71	00:01:56	0 (0.00%)	\$0.00 (0.00%)	0.00%
Aug 2, 2016 - Sep 27, 2016	978 (34.92%)	50.00%	489 (32.80%)	27.61%	2.89	00:02:07	0 (0.00%)	\$0.00 (0.00%)	0.00%
% Change	32.82%	0.38%	33.33%	2.89%	-6.39%	-8.50%	0.00%	0.00%	0.00%
2. Apple iPad									
Aug 2, 2017 - Sep 27, 2017	336 (11.24%)	45.54%	153 (10.70%)	33.63%	1.81	00:02:16	0 (0.00%)	\$0.00 (0.00%)	0.00%
Aug 2, 2016 - Sep 27, 2016	342 (12.21%)	52.92%	181 (12.14%)	35.67%	1.63	00:02:14	0 (0.00%)	\$0.00 (0.00%)	0.00%
% Change	-1.75%	-13.96%	-15.47%	-5.72%	11.29%	1.45%	0.00%	0.00%	0.00%
3. Microsoft Windows RT Tablet Windows RT Tablet									
Aug 2, 2017 - Sep 27, 2017	79 (2.64%)	49.37%	39 (2.73%)	29.11%	1.81	00:01:59	0 (0.00%)	\$0.00 (0.00%)	0.00%
Aug 2, 2016 - Sep 27, 2016	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%
4. Samsung SM-G930V Galaxy S7									
Aug 2, 2017 - Sep 27, 2017	76 (2.54%)	44.74%	34 (2.38%)	23.68%	2.63	00:02:22	0 (0.00%)	\$0.00 (0.00%)	0.00%
Aug 2, 2016 - Sep 27, 2016	36 (1.29%)	55.56%	20 (1.34%)	36.11%	2.44	00:02:23	0 (0.00%)	\$0.00 (0.00%)	0.00%
% Change	111.11%	-19.47%	70.00%	-34.41%	7.66%	-0.19%	0.00%	0.00%	0.00%
5. Samsung SM-G955U Galaxy S8+									
Aug 2, 2017 - Sep 27, 2017	51 (1.71%)	50.98%	26 (1.82%)	25.49%	3.47	00:02:55	0 (0.00%)	\$0.00 (0.00%)	0.00%
Aug 2, 2016 - Sep 27, 2016	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%
6. (not set)									
Aug 2, 2017 - Sep 27, 2017	47 (1.57%)	63.83%	30 (2.10%)	27.66%	2.79	00:03:03	0 (0.00%)	\$0.00 (0.00%)	0.00%
Aug 2, 2016 - Sep 27, 2016	95 (3.39%)	56.84%	54 (3.62%)	22.11%	1.93	00:03:43	0 (0.00%)	\$0.00 (0.00%)	0.00%
% Change	-50.53%	12.29%	-44.44%	25.13%	44.69%	-17.85%	0.00%	0.00%	0.00%
7. Samsung SM-G920V Galaxy S6									
Aug 2, 2017 - Sep 27, 2017	46 (1.54%)	45.65%	21 (1.47%)	32.61%	2.89	00:02:25	0 (0.00%)	\$0.00 (0.00%)	0.00%
Aug 2, 2016 - Sep 27, 2016	50 (1.79%)	38.00%	19 (1.27%)	32.00%	2.60	00:01:19	0 (0.00%)	\$0.00 (0.00%)	0.00%
% Change	-8.00%	20.14%	10.53%	1.90%	11.20%	82.93%	0.00%	0.00%	0.00%
8. Samsung SM-G930T Galaxy S7									
Aug 2, 2017 - Sep 27, 2017	43 (1.44%)	51.16%	22 (1.54%)	16.28%	3.09	00:03:19	0 (0.00%)	\$0.00 (0.00%)	0.00%
Aug 2, 2016 - Sep 27, 2016	32 (1.14%)	53.12%	17 (1.14%)	25.00%	2.94	00:03:07	0 (0.00%)	\$0.00 (0.00%)	0.00%
% Change	34.38%	-3.69%	29.41%	-34.88%	5.29%	6.63%	0.00%	0.00%	0.00%
9. Samsung SM-G950F Galaxy S8									
Aug 2, 2017 - Sep 27, 2017	31 (1.04%)	70.97%	22 (1.54%)	25.81%	3.81	00:02:42	0 (0.00%)	\$0.00 (0.00%)	0.00%
Aug 2, 2016 - Sep 27, 2016	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-G935V Galaxy S7 Edge									
Aug 2, 2017 - Sep 27, 2017	30 (1.00%)	40.00%	12 (0.84%)	26.67%	3.17	00:02:02	0 (0.00%)	\$0.00 (0.00%)	0.00%
Aug 2, 2016 - Sep 27, 2016	3 (0.11%)	100.00%	3 (0.20%)	100.00%	1.00	00:00:00	0 (0.00%)	\$0.00 (0.00%)	0.00%
% Change	900.00%	-60.00%	300.00%	-73.33%	216.67%	∞%	0.00%	0.00%	0.00%

Rows 1 - 10 of 366

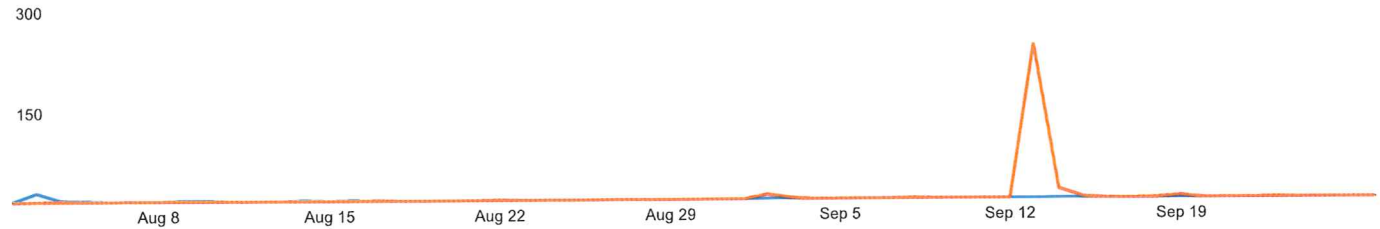
Network Referrals

Aug 2, 2017 - Sep 27, 2017
Compare to: Aug 2, 2016 - Sep 27, 2016

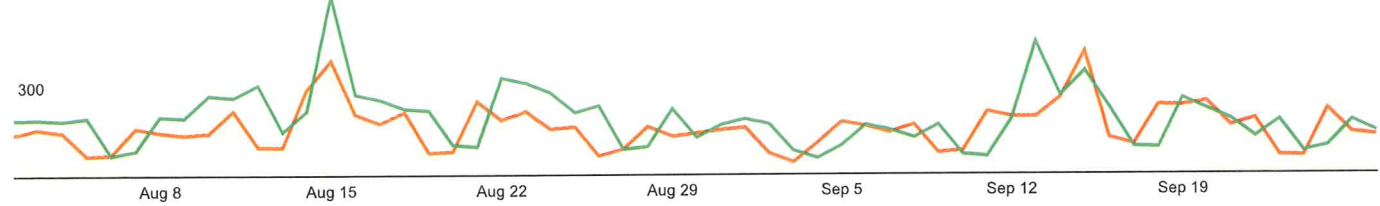
All Users
+0.00% Sessions

Social Referral

Aug 2, 2017 - Sep 27, 2017: Sessions via Social Referral
Aug 2, 2016 - Sep 27, 2016: Sessions via Social Referral



Aug 2, 2017 - Sep 27, 2017: All Sessions
Aug 2, 2016 - Sep 27, 2016: All Sessions



Social Network	Sessions	Pageviews	Avg. Session Duration	Pages / Session
1. Facebook				
Aug 2, 2017 - Sep 27, 2017	20 (100.00%)	39 (100.00%)	00:01:59	1.95
Aug 2, 2016 - Sep 27, 2016	264 (100.00%)	283 (100.00%)	00:00:06	1.07
% Change	-92.42%	-86.22%	1,877.93%	81.91%

Rows 1 - 1 of 1

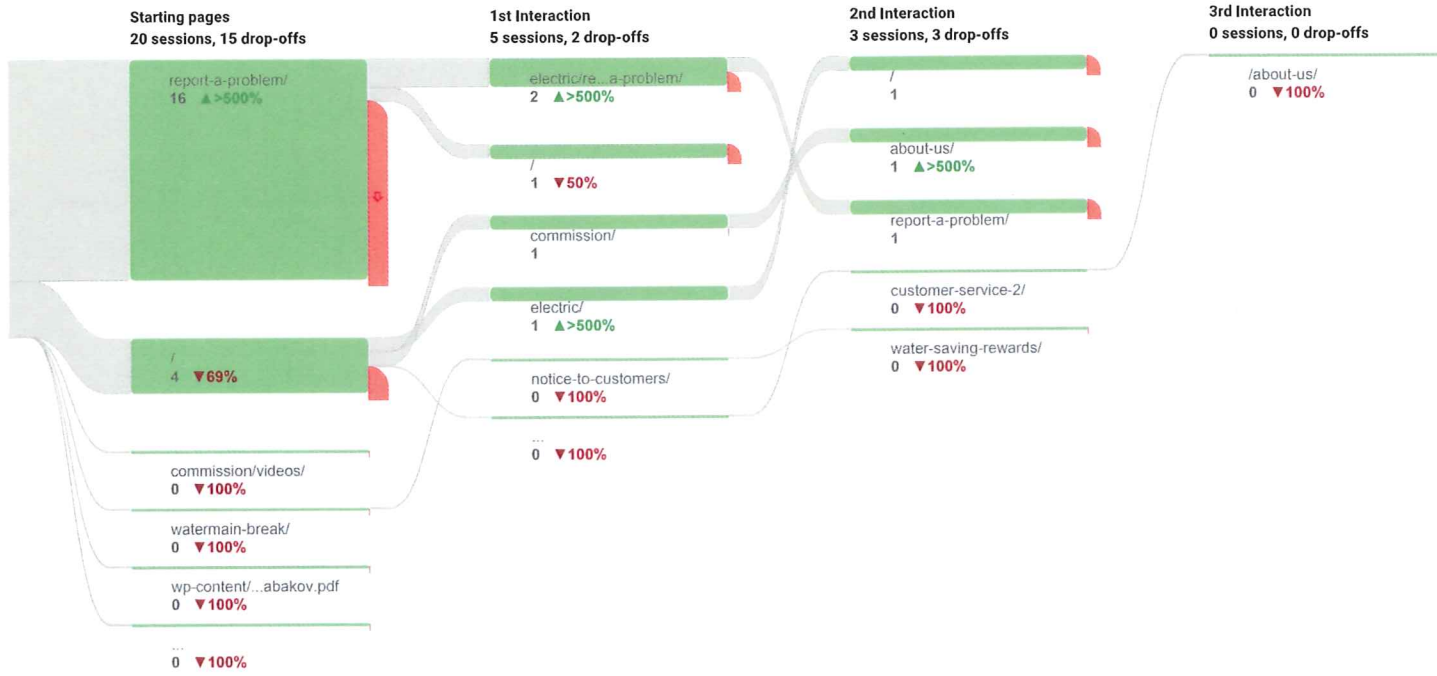
Social Users Flow

Aug 2, 2017 - Sep 27, 2017
Compare to: Aug 2, 2016 - Sep 27, 2016

All Users
+0.00% Sessions

Social Network

Facebook
20 ▼92%



		Video #	Title	Uploaded	Frame Size	Duration	Size	Plays		
<input type="checkbox"/>		11634942	9 18 2017	20 Sep 2017 SPUC	720x406	23m 26s	710mb	2	embed	Manage
<input type="checkbox"/>		11480407	9 5 2017	06 Sep 2017 SPUC	720x400	1h 28m 9s	958mb	2	embed	Manage
<input type="checkbox"/>		11113622	8 7 2017	08 Aug 2017 SPUC	720x406	1h 1m 1s	933mb	2	embed	Manage
<input type="checkbox"/>		10898199	7 17 2017	19 Jul 2017 SPUC	720x400	1h 9m 48s	993mb	4	embed	Manage
<input type="checkbox"/>		10584983	6 19 2017	20 Jun 2017 SPUC	720x406	29m 16s	881mb	3	embed	Manage
<input type="checkbox"/>		10425819	6 5 2017	06 Jun 2017 SPUC	720x406	46m 47s	859mb	4	embed	Manage
<input type="checkbox"/>		10205679	5 15 2017	16 May 2017 SPUC	720x406	34m 36s	850mb	5	embed	Manage
<input type="checkbox"/>		10087659	5 1 2017	04 May 2017 SPUC	720x406	1h 1m 26s	939mb	8	embed	Manage
<input type="checkbox"/>		9923375	4 17 2017	18 Apr 2017 SPUC	720x396	1h 20m 36s	973mb	2	embed	Manage
<input type="checkbox"/>		9795820	4 2 2017	06 Apr 2017 SPUC	720x400	1h 22m 51s	1016mb	6	embed	Manage
<input type="checkbox"/>		9632268	3 20 2017	21 Mar 2017 SPUC	720x406	1h 2m 38s	957mb	10	embed	Manage
<input type="checkbox"/>		9479672	3 6 2017	07 Mar 2017 SPUC	720x406	41m 44s	706mb	6	embed	Manage
<input type="checkbox"/>		9351773	2 21 2017	23 Feb 2017 SPUC	720x406	44m 25s	752mb	10	embed	Manage



11b

SHAKOPEE PUBLIC UTILITIES

“Lighting the Way – Yesterday, Today and Beyond”

September 28, 2017

TO: John Crooks, Utilities Manager *JRC*
FROM: Greg Drent, Electric Superintendent *GLD*
Subject: New Air Conditioners in the Service Center

Background:

We have been experiencing some air conditioning problems at the service center for the last couple of months. Some of the issues have been wires shorting out, leak in Freon, and a fan on the condensing unit failed. The units are 15 years old and after a few of these repairs, we discussed with the repairperson the life expectancy of the unit and he said that the units would need to be replaced soon as it is at the end of its life.

One of the major problems is that R22 Freon is getting very expensive. We had a compressor burn up a month ago so we decided it is not worth fixing the units again. There are three condensing units outside that need to be replaced a 20-ton unit that feeds the break room and locker room area. The other is a 40-ton two-stage unit that feeds the rest of the building.

We got quotes for replacing the 20-ton unit and the two bids were \$36,044.00 and \$21,000.00 respectfully. Associated Mechanical Services of Shakopee was the low bid and we are comfortable with them doing the work. After some internal discussions, we decided to get a bid for all three units outside and that bid was \$56,000.00.

We reviewed the CIP budget and projects we are going to complete yet this year and decided to use the money from the front remodel line item, which was \$70,000.00. The front remodel project is now in the 2018 budget, and we are pleased that this purchase will not negatively affect the 2017 budget. The Air Conditioners take 5 weeks to get here and Associated Mechanical will install them as soon as they arrive. Associated Mechanical will come back in the spring and do some final adjustments to get the proper Freon in them and make sure everything is working properly. I did not think the air conditioners were going to go out so quickly but am happy that we are able to make the repairs and still be in budget on the building and grounds line item.