



WHITE BEAR TOWNSHIP

1858
RAMSEY COUNTY
MINNESOTA

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WHITE BEAR TOWNSHIP, MN 55110

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Board of Supervisors

ROBERT J. KERMES, *Chair*
ED M. PRUDHON
STEVEN A. RUZEK

AGENDA UTILITY COMMISSION MEETING AUGUST 9, 2018

1. **7:00 p.m.** Call Meeting to Order at Township Office Conference Room, 1281 Hammond Road.
2. Approval of August 9, 2018 Agenda (Additions/Deletions).
3. Approval of July 12, 2018 Minutes (Additions/Deletions).
4. Consent Agenda:
 - a. Receive Monthly Sewer & Water Report.
 - b. Receive EDAB Minutes.
 - c. Receive Republic Services Monthly Service Report.
5. Commissioner's Report.
6. Republic Services Representatives:
Bev Mathiasen, Municipal Services Manager
Brandon Schuler, General Manager
7. Low Volume Refuse Customers.
8. Public Works Director Report.
9. Utility Rate Changes.
10. Stormwater Utility Ordinance Amendment.
11. Water Conservation:
 - a. Current Sprinkling Regulations.
 - b. Enforcement.
 - c. Changes.
12. Next Meeting Date / Agenda Items.
13. Added Agenda Items.
14. Adjournment.

White Bear Township's Mission:

To provide White Bear Township residents, businesses and visitors with reliable, high quality municipal services while serving as open and responsible stewards of the public trust.



recycled paper



Utility Commission Meeting August 9, 2018

Agenda Number: 1 – 2- 3

Subject: Call to Order – 7:00 p.m.
WBT Administrative Conference Room

Approval of August 9, 2018 Agenda &
July 12, 2018 Minutes

Documentation: August 9, 2018 Agenda &
July 12, 2018 Minutes

Action / Motion for Consideration:

Call meeting to order:	7:00 p.m.
Approval of Agenda:	August 9, 2018 (Additions / Deletions)
Approval of Minutes:	July 12, 2018

**MINUTES
UTILITY COMMISSION MEETING
JULY 12, 2018**

The meeting was called to order at 7:00 p.m.

Present: Bernstein, Deloach, Groschen, Hesse, Pehrson; Town Board Liaison: Kermes; Clerk: Short; Guest: Bev Mathiasen, Republic Services.

Absent: McCune with notice and Fredericks

APPROVAL OF AGENDA (Additions/Deletions): Deloach moved approval of the agenda as submitted. Bernstein seconded. Ayes all.

APPROVAL OF JUNE 14, 2018 MINUTES (Additions/Deletions): Deloach moved approval of the June 14, 2018 Minutes. Bernstein seconded. Ayes all.

CONSENT AGENDA: Bernstein moved approval of the Consent Agenda as follows: 4A) Receive Monthly Sewer & Water Report; 4B) Receive EDAB Minutes; 4C) Receive Republic Services Monthly Service Report. Pehrson seconded. Ayes all.

COMMISSIONER'S REPORT: Water Meters: Twelve water meters were sent to an independent lab for testing. Lab results have not been received as yet. **Lake Level:** Today the level of White Bear Lake was 923.95. The judge's order lifted the ban on residential irrigation if the lake rises above 924.0. The DNR appealed the judges' denial of a stay. The Court of Appeals re-directed the matter back to Judge Marrinan. **Budget:** The budget process for 2019 starts within a few weeks. **Three Oaks of White Bear Township:** The North Oaks Company has received approval for development of their property on Centerville Road/County Road H-2. Detached townhomes are proposed. **Lift Station #10:** The Town Board authorized upgrades to this lift station. After rehabilitation there is only one lift station left to be rehabbed.

REPUBLIC SERVICES REPRESENTATIVES: BEV MATHIASEN, MUNICIPAL SERVICES MANAGER: Bev Mathiasen, Republic Services reported that Republic Services serves 28 cities. Their Blaine division serves White Bear Township. She stated that factors driving costs for recycling are: 1) Participation rates (higher participation); 2) Pounds per set out (this plays a significant role in service cost per household); 3) Commodity mix (changes in the stream can impact processing costs); 4) Residual/contamination (drives additional direct costs); 5) Commodity value (direct impact on any returns). Republic Services tries to direct as much as possible away from the landfill. She described the Recycling Life Cycle. It was the consensus that this information would be good for the customers to know. The trends in markets are changing due to: 1) glass has a negative value in most markets, unless supported by subsidies. We are fortunate that there are two glass companies in the Twin Cities which do take all kinds of glass. Republic Services directs their glass to those companies; 2) corrugated cardboard has decreased in price per ton for the last five years; 3) end markets impacted by global slow-downs. Lighter weight and flexible packaging are not recyclable. In 2000 48,000 plastic bottles equaled one ton; in 2015 92,000 plastic bottles equaled one ton.

Light-weighting requires processing of more pieces to yield a ton of marketable commodity. Waste minimization is putting increasing pressure on recycling markets.

For decades, China has been the largest importer of the world's recycled commodity, and the U.S. was 40% on the inbound stream. In 2017, China announced dramatic changes for acceptance criteria of imported recyclables, including a significant reduction in acceptable contamination levels (from less than 3% to 0.5%) in any recovered paper and plastic grades. Additionally, China banned ALL mixed paper from import, regardless of contamination levels (20% of historical stream). Reductions took effect in March 2018, and drove costs and changes at most recycling facilities in the country to meet new standards. Since China has closed the door to accepting recyclables, prices crashed. The average price paid to recyclers for a ton of mixed paper in the Pacific Northwest and across North America has plummeted in the last year. In 2016 the regional average per ton on mixed paper was \$77.50; in March 2018 the regional average fell to \$5.00.

They are adjusted processing speeds to improve quality of sorted material. As a result some facilities are unable to handle daily material volume. Adding human resources to the sort lines and increasing self-inspections to further reduce contamination, adds to adjusted processing speeds. Many recyclers are flooded by the global industry shifting away from China. While Republic Services continue to process mixed paper and old newsprint, they are proactively evaluating the need to dispose of excess material that if stored, deteriorates beyond the point of commercial value, or poses safety risks.

Current recycling rates do not cover costs due to China and light weighting leads to more material to process per ton. Lack of public education and contamination drives additional costs. Republic Services asks that the Township gets the word out to the citizens. Messaging through Facebook, newsletters, inserts in utility bills and the website are recommended. Collection includes cost to provide truck, driver, container and scheduled collection service on contracted basis and collected material transported to processing facility. Processing includes capital and intensive labor, co-mingled material sorted into separate products, removing contamination with clean products baled and prepared to ship. Residual includes contamination by non-recyclable material; there is no marketability and materials must be transported and disposed at landfill for a cost. Commodity Sales includes processed material transported and sold to end markets; subject to quality standards; product mix and quality drives value; and some material may have negative value.

In the long term public education is needed. "Always recyclables" include paper; plastic; metal; cardboard. "Never recyclables" are diapers; garden hoses; shoes/clothing; food waste and yard waste. Sometimes recyclables for select markets include plastic bags and glass. Public education needs to include more information on how to recycle. Republic Services will provide a supply of educational materials for distribution. When recycling, remember "when in doubt, throw it out". Recycling programs must focus on Sustainable Materials Management, not simply diverting material that may have no beneficial use.

The next steps to consider are a price increase which is needed to address shortfall due to collection costs no longer covered by commodity revenues; implement public education programs to inform residents what to recycle and how to recycle – clean up the contamination in the stream; and move to the new recycling business model – either at the next contract cycle or via amendment to current contract.

Bev Mathiasen reviewed the Net Processing Value/Charge model for annual rate review. The rate adjustment to reconcile commodity market value is \$0.51 per household per month. This rate adjustment would take Republic Services to a break-even status.

There was discussion on a rate adjustment. Comments included:

- Consider a surcharge or line item on the utility bill.
- When the price of gas went down did Republic Services reduce rates accordingly?
- If the tariff situation gets fixed would the \$0.51/hh rate be dropped or reduced?
- If an amendment is considered for adjusting the recycling rate, should any other issues be addressed?

It was the consensus that the Township address the need to educate the public relative to recycling. Bev Mathiasen will work with Township staff and provide information.

The request from Republic Services for a rate adjustment will be discussed at next month's Utility Commission meeting.

At 9:00 p.m. Bernstein moved to extend the meeting curfew to 9:15 p.m. Delaoch seconded. Ayes all.

PUBLIC WORKS DIRECTOR REPORT: This agenda item was tabled.

STORMWATER UTILITY ORDINANCE AMENDMENT: This item was tabled to the next Utility Commission meeting.

WATER CONSERVATION: 1) CURRENT SPRINKLING REGULATIONS; 2) ENFORCEMENT; 3) CHANGES: This agenda items was tabled to the next Utility Commission meeting.

NEXT MEETING DATE / AGENDA ITEMS: The next meeting date is August 9, 2018. Items for discussion include: 1) Republic Services rate adjustment; 2) Water Conservation, Current Sprinkling Regulations; Enforcement; and Changes; 3) Stormwater Utility Ordinance amendment.

Hesse moved to adjourn the meeting at 9:10 p.m. Pehrson seconded. Ayes all.

Respectfully Submitted,



**Utility Commission Meeting
August 9, 2018**

Agenda Number: 4A - Consent

Subject: Receive Monthly Sewer & Water Report

Documentation: Report

Action / Motion for Consideration:

Receive Information

WHITE BEAR TOWNSHIP SEWER AND WATER REPORT 2018

	SOUTH SYSTEM - WATER PUMPED												
	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	YEAR TOTALS
WELL 1 & 2A	1,928,100	1,993,300	1,805,600	1,884,600	1,850,600	3,143,200	2,782,800		2,782,800				15,388,200
QRT TOTALS			5,727,000		6,878,400								15,388,200
	SOUTH SYSTEM - WATER CONSUMPTION												
	DEC-FEB	MAR-MAY	JUNE-AUG	SEPT-NOV	DEC-NOV TOTALS								
RESIDENTIAL	5,628,957	6,862,386			12,491,343								
COMMERCIAL	11,102	10,094			21,196								
INSTITUTIONAL	143,783	180,272			324,055								
HYDRANT FLUSHING		157,000			157,000								
UNBILLED PUBLIC WORKS USAGE					-								
UNBILLED CONSUMPTION*					-								
BILLED UNBILLED CONSUMPTION PREV QTR					-								
WATERMAIN BREAK WATER LOSSES					-								
HYDRANT WATER SOLD					-								
QRT TOTALS	5,783,842	7,209,752			12,993,594								
					YR END AVERAGES								

	NORTH SYSTEM - WATER PUMPED												
	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	YEAR TOTALS
WELLS 3-6	20,469,800	20,507,100	18,390,500	20,469,500	20,136,700	43,435,400	45,364,400		45,364,400				188,773,400
QRT TOTALS			59,367,400		84,041,600								188,773,400
	NORTH SYSTEM - WATER CONSUMPTION												
	DEC-FEB	MAR-MAY	JUNE-AUG	SEPT-NOV	DEC-NOV TOTALS								
RESIDENTIAL	49,137,241	65,164,557			114,301,798								
COMMERCIAL	9,020,136	14,078,570			23,098,706								
INSTITUTIONAL	370,555	1,676,979			2,047,534								
INDUSTRIAL	2,724,238	4,409,324			7,133,562								
HYDRANT FLUSHING		133,700			133,700								
UNBILLED PW USAGE/BACKWASH	529,500	588,000			1,117,500								
UNBILLED CONSUMPTION*		781			781								
BILLED UNBILLED CONSUMPTION PREV QTR					-								
WATERMAIN BREAK WATER LOSSES	90,264	1,300,000			1,390,264								
HYDRANT WATER SOLD					-								
QRT TOTALS	61,871,934	87,351,911			149,223,845								
					YR END AVERAGES								

QUARTER GRAND TOTALS (NORTH AND SOUTH)		SEPT-NOV	DEC-NOV TOTALS
DAILY AVERAGE PER RESIDENT	52.60		162,217,439
# OF WATER CONNECTIONS	4184		162,217,439
# OF SEWER CONNECTIONS	4165		
New Construction	NONE		
		TOTAL WATER PUMPED	204,161,600
		TOTAL WATER CONSUMPTION	162,217,439

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**Utility Commission Meeting
August 9, 2018**

Agenda Number: 4B - Consent

Subject: Receive EDAB Minutes

Documentation: None – Not Available

Action / Motion for Consideration:



**Utility Commission Meeting
August 9, 2018**

Agenda Number: 4C - Consent

Subject: Republic Services Monthly Service Report

Documentation: Report

Action / Motion for Consideration:

Receive Information

Service Report By Month for White Bear Township

2018



Calls from residents, reported as 'missed pick-ups'

	Trash	YardWaste	Recycle	Totals
JANUARY	10	0	4	14
FEBUARY	8	0	9	17
MARCH	0	0	8	8
APRIL	6	0	11	17
MAY	17	1	6	24
JUNE	4	1	3	8
JULY				0
AUGUST				0
SEPTEMBER				0
OCTOBER				0
NOVEMBER				0
DECEMBER				0

Possible collection sites per system, per week	3,851
Possible collection sites per system, per month, with 4.33 weeks per month	16,675
Possible collection sites for all routes per month April 1 - Nov 30	50,024
Possible collection sites for all routes per month Dec 1 - March 31	33,350



**Utility Commission Meeting
August 9, 2018**

Agenda Number: 5

Subject: Commissioner's Report

Documentation: None

Action / Motion for Consideration:

Receive Information



Utility Commission Meeting August 9, 2018

Agenda Number: 6

Subject: Republic Services Representatives:
Bev Mathiasen, Municipal Services Manager
Brandon Schuler, General Manager

Documentation: None

Action / Motion for Consideration:

Receive Information

Minutes
Utility Commission Meeting
July 12, 2018

REPUBLIC SERVICES REPRESENTATIVES: BEV MATHIASEN, MUNICIPAL SERVICES MANAGER: Bev Mathiasen, Republic Services reported that Republic Services serves 28 cities. Their Blaine division serves White Bear Township. She stated that factors driving costs for recycling are: 1) Participation rates (higher participation); 2) Pounds per set out (this plays a significant role in service cost per household); 3) Commodity mix (changes in the stream can impact processing costs); 4) Residual/contamination (drives additional direct costs); 5) Commodity value (direct impact on any returns). Republic Services tries to direct as much as possible away from the landfill. She described the Recycling Life Cycle. It was the consensus that this information would be good for the customers to know. The trends in markets are changing due to: 1) glass has a negative value in most markets, unless supported by subsidies. We are fortunate that there are two glass companies in the Twin Cities which do take all kinds of glass. Republic Services directs their glass to those companies; 2) corrugated cardboard has decreased in price per ton for the last five years; 3) end markets impacted by global slow-downs. Lighter weight and flexible packaging are not recyclable. In 2000 48,000 plastic bottles equaled one ton; in 2015 92,000 plastic bottles equaled one ton. Light-weighting requires processing of more pieces to yield a ton of marketable commodity. Waste minimization is putting increasing pressure on recycling markets.

For decades, China has been the largest importer of the world's recycled commodity, and the U.S. was 40% on the inbound stream. In 2017, China announced dramatic changes for acceptance criteria of imported recyclables, including a significant reduction in acceptable contamination levels (from less than 3% to 0.5%) in any recovered paper and plastic grades. Additionally, China banned ALL mixed paper from import, regardless of contamination levels (20% of historical stream). Reductions took effect in March 2018, and drove costs and changes at most recycling facilities in the country to meet new standards. Since China has closed the door to accepting recyclables, prices crashed. The

average price paid to recyclers for a ton of mixed paper in the Pacific Northwest and across North America has plummeted in the last year. In 2016 the regional average per ton on mixed paper was \$77.50; in March 2018 the regional average fell to \$5.00.

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Current recycling rates do not cover costs due to China and light weighting leads to more material to process per ton. Lack of public education and contamination drives additional costs. Republic Services asks that the Township gets the word out to the citizens. Messaging through Facebook, newsletters, inserts in utility bills and the website are recommended. Collection includes cost to provide truck, driver, container and scheduled collection service on contracted basis and collected material transported to processing facility. Processing includes capital and intensive labor, co-mingled material sorted into separate products, removing contamination with clean products baled and prepared to ship. Residual includes contamination by non-recyclable material; there is no marketability and materials must be transported and disposed at landfill for a cost. Commodity Sales includes processed material transported and sold to end markets; subject to quality standards; product mix and quality drives value; and some material may have negative value.

In the long term public education is needed. "Always recyclables" include paper; plastic; metal; cardboard. "Never recyclables" are diapers; garden hoses; shoes/clothing; food waste and yard waste. Sometimes recyclables for select markets include plastic bags and glass. Public education needs to include more information on how to recycle. Republic Services will provide a supply of educational materials for distribution. When recycling, remember "when in doubt, throw it out". Recycling programs must focus on Sustainable Materials Management, not simply diverting material that may have no beneficial use.

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- If the tariff situation gets fixed would the \$0.51/hh rate be dropped or reduced?
- If an amendment is considered for adjusting the recycling rate, should any other issues be addressed?

It was the consensus that the Township address the need to educate the public relative to recycling. Bev Mathiasen will work with Township staff and provide information.

The request from Republic Services for a rate adjustment will be discussed at next month's Utility Commission meeting.



Recycle more



Recycling is good for Minnesota's economy. It supports more than 60 thousand jobs in our state, paying almost \$3.4 billion in wages and adds nearly \$15.7 billion to Minnesota's economy.

Minnesotans are still throwing away more than 850,000 million tons of recyclables with an estimated value of \$153 million. No matter where you live or what you do, there are things you can do to increase and improve recycling.

Business

Property owners with buildings in the seven-county metro area that contract for four cubic yards or more of trash per week must recycle at least three materials.

- Set up a **successful recycling program at your business.**

Using recycled materials as feedstock can help your business increase profits, develop new products, improve your company's image, and reduce waste. In Minnesota, the MPCA helps businesses develop uses for recycled.

- Learn more from **MPCA's Recycling Market Development** program.

School



According to a report, more than 78 percent of school waste could be diverted from the trash to organics composting and recycling.

Toolkit

Use the school recycling toolkit to get a recycling program organized and operating successfully.

School waste study

MPCA partnered with Hennepin County and the City of Minneapolis to take a closer look at what schools throw away.

School recycling costs and benefits

See how the costs of recycling and trash hauling services — and the impact expanding recycling may have on a school's budget.

Sports facilities

In Minnesota, sports facilities are now required to recycle at sporting events. The U of M Morris has been successfully recycling at their campus, get tips on how you can **incorporate recycling at your campus.**

Public entities

Public entities are required to recycle at least three material types. Several resources, including contract templates, can help you succeed in protecting Minnesota's environment. Find ways to **reduce waste and toxicity, conserve resources, reuse, recycle, and use environmentally preferable products.**

At home

Find ideas to live green every day. Visit [LivingGreen365](#).

You can always recycle MORE than just what's collected. Reusable goods can be given to thrift stores or churches, food waste can be composted, some materials can be sent directly to remanufacturers.

Bill Short

From: Bill Short
Sent: Tuesday, July 10, 2018 11:21 AM
To: Bill Short
Subject: FW: State perspective
Attachments: China recycling shift-v2.docx

From: Buckley, Jean C [mailto:jean.buckley@CO.RAMSEY.MN.US]
Sent: Tuesday, July 10, 2018 11:08 AM
To: Bill Short <Bill.Short@whitebeartownship.org>; Tom Riedesel <Tom.Riedesel@whitebeartownship.org>
Cc: (Dan.Krivit@Foth.com) <Dan.Krivit@Foth.com>
Subject: State perspective

Hi Bill and Tom,

I hope your meeting goes well with your Utility commission on Thursday. I will be interested in hearing their response. I see you included in your packet the articles from the national perspective on markets. I have attached a copy of the press release from the MPCA in case you are interested in sharing the local perspective with your Commission.

Again, if you need some assistance with cost comparison, Dan Krivit is available. We meet with Vadnais Heights and Republic on Thursday to find out what Republic's proposal will look like for them.

Jean

From: Heffron, Susan B (MPCA) <susan.heffron@state.mn.us>
Sent: Tuesday, July 10, 2018 9:11 AM
To: Buckley, Jean C <jean.buckley@CO.RAMSEY.MN.US>
Cc: Gjerde, Wayne (MPCA) <wayne.gjerde@state.mn.us>; Rust, Mark (MPCA) <mark.rust@state.mn.us>
Subject: follow-up to phone call

Hi Jean,

Got your voicemail. Dan shared with me the powerpoint put out by Republic headquarters saying recycling is broken. ☹️ We put out a press release last week which I have attached here. The main points we wanted to get across were:

- Minnesota is not landfilling recyclables at this time
- There are good economic reasons to recycle
- Contamination is a problem
- Continue to recycle, but recycle right

At their request, we talked with haulers about options to get through this down market time. They ranged from increasing recycling prices to dropping a material or even disposal. We'd rather see them increase prices in the short term rather than drop a material from collection or request disposal. I see on my new bill from my hauler that I am being charged a commodity fee of \$2.70 every 2 months. I don't have organized collection though so I guess they can do that to me and I can accept it or go to a different hauler. Cities with contracts are not in that position.

We don't have a write-up for cities that are getting requests for haulers to increase rates. We know that markets prices are bottoming out and raising recycling rates in the short term may save recycling from other more drastic solutions. But I am also not saying that cities should renegotiate! That is up to individual cities and their contracts.

China recycling shift an opportunity for Minnesota

Minnesota in strong position to lead nation given strategic investment over past 30 years

For immediate release: July XX, 2018

Contact: [Walker Smith](#), 651-757-2738

China's recent shift in policy regarding recyclable material is making many state and local governments reexamine processes to manage a growing influx of plastics, glass and other materials needing to be recycled. But here in Minnesota, the situation is not as dire. In 2016, nearly 2.5 million tons of recyclable materials were collected. State law and the local governments that implement recycling rules here do not allow any material collected for recycling to be put in a landfill, and Minnesota is not landfilling recyclables now.

In the past, China and other foreign markets imported about 40 percent of the United States' recycled material. Now, China has set in place policies that restrict imports of recycled material. Consequently, domestic markets are flooded with these materials because they cannot be sold overseas. This has created an excess supply for the domestic market and caused prices to plummet.

Recycling program leaders around the U.S. can no longer look to foreign countries as major markets to sell our recyclables to and must instead invest in developing markets for these materials in Minnesota and elsewhere. This is an opportunity for Minnesota to be a leader in markets for recycled material. We actively seek to grow the number of businesses that use recycled materials in their manufacturing processes.

When it comes to recyclable materials, Minnesota is better positioned than other parts of the country because our public and private sectors have made strategic investments in recycling over the last 30-plus years. For example, the public sector has given significant incentive through grants and loans to companies that use recycled materials to manufacture products. Using state-of-the-art sorting equipment at processing facilities has also been a priority here. Minnesota has focused on local use of the material to manufacture products wherever possible. These efforts create local economic development opportunities around the state.

Recycling is not just a feel good thing — there are economic reasons for doing it. More than 260 Minnesota companies use recycled materials to manufacture their products. Minnesota's value-added recycling manufacturers employ about 18,000 people, and these companies generate approximately \$3.2 billion in wages and \$665 million in federal and local tax revenue.

Minnesotans wondering about shifting world markets need to stay the course — keep recycling, but recycle right. While Minnesotans do a better job than most parts of the country in properly sorting these materials, unrecyclable materials in recycling containers is a huge problem. Too much material that cannot be recycled still finds its way to processing facilities, adding inefficiency and reducing profitability for these facilities.

How can you help?

- Avoid “wishcycling” — if you don't know if something is recyclable, don't just throw it in your recycling bin and assume a processing facility will sort it out.

- Check with their city, county or waste hauler for items that are acceptable.
- Recycle only what your hauler's guidelines tell you.
- Don't put things like plastic bags, garden hoses, shredded paper, toys, syringes and diapers in your home recycling container.
- Do not use your recycling as a garbage overflow.

For more recycling tips for you, your community, or your business, visit the Minnesota Pollution Control Agency's [Recycle More webpage](#).



**Utility Commission Meeting
August 9, 2018**

Agenda Number:

7

Subject:

Low Volume Refuse Customers

Documentation:

Town Clerk Memo /
Emails

Action / Motion for Consideration:

Receive Information / Discuss

MEMORANDUM

Date: July 17, 2018
To: Utility Commission
From: William Short, Clerk-Treasurer

Re: Low Volume Refuse Customers

I received a voice mail message on Monday July 16, 2018 from Amy Akoya (sp.?) a Town resident regarding our refuse and recycling service. Amy said that she produces very little refuse as she recycles all that she can, delivers organic waste to the County's collection site and composts her yard waste. She asked two questions:

1. Can Republic add a lower level of refuse collection (less than 30 gallons) and/or
2. Can Republic offer every other week pick-up?

She added that offering a lower volume refuse service at a reduced price might add incentive to generate less refuse.

I returned her call on Tuesday July 17th and left a voice message indicating that I would pass her questions on to the Utility Commission. I will also ask Republic Services for their input.

Bill Short

From: Bill Short
Sent: Tuesday, July 17, 2018 3:45 PM
To: 'Mathiasen, Beverly'
Attachments: Sewer and Water Service.doc

Hi Bev,

Attached is a memo summarizing a call that I received yesterday from a Town resident about the possibility of a lower (less than 30 gallons) level of service and/or every other week service. I have some thoughts on the matter (below) but would really like your perspective.

Criteria for lower fees for lower volumes:

1. Tipping fees at the Recycling and Energy Center are volume based (\$77/ton). The less that's tipped, the lower the cost.
2. Lower volumes would generate fewer trips to the facility.

Fixed cost regardless of volume:

1. Fixed costs to provide regular route service are shared equally (?) among all customers including: trucks, labor, fuel, maintenance, overhead, etc. etc.
2. "Other" service costs are shared equally among all Town customers including: free pick-up of bulkys and appliances (up to 3 per year) and yard waste
3. Public services such as Township parks/public facilities and Annual Spring Clean-up are shared among all customers.
4. Other items that you can come up with...

I would appreciate you composing a response to share with the Utility Commission, especially some sense of "proportion" between tipping fees and fixed costs.

Also....is there a lower than 30 gallon level ..?? and,.... is every other week service practical? If not, can you provide reason to help explain.

Thanks

Bill

William F. Short

Clerk-Treasurer

White Bear Township

1281 Hammond Rd.

White Bear Township, MN 55110

(office) 651-747-2750

(direct) 651-747-2758

(fax) 651-426-2258

bill.short@whitebeartownship.org

Bill Short

From: Bill Short
Sent: Tuesday, July 31, 2018 9:02 AM
To: Bill Short
Subject: FW:

-----Original Message-----

From: Mathiasen, Beverly [mailto:BMathiasen@republicservices.com]
Sent: Monday, July 30, 2018 5:29 PM
To: Bill Short <Bill.Short@whitebeartownship.org>
Subject: RE:

Hi Bill,

I talked to Kyle and we don't offer less than a 30G Trash option. We, as most haulers, offer 3 cart sizes and those are universal across the country.

In terms of every other week trash service that is something we do not offer. Weekly trash service universally reduces confusion and missed pickups. Also, there doesn't seem to be an appetite for every other week service during the summer due to the nature of trash...the smell.

Thanks,
Bev

Bev Mathiasen
Municipal Services Manager

9813 Flying Cloud Drive
Eden Prairie, MN 55347
e bmathiasen@republicservices.com
o 952-946-5302 c 612-889-7324
f 952-946-5333 w RepublicServices.com



**Utility Commission Meeting
August 9, 2018**

Agenda Number: 8

Subject: Public Works Director Report

Documentation: Report

Action / Motion for Consideration:

Receive Information / Discuss

**White Bear Township
Town Board Update
On
Public Works Department Activity
(July 2018)**

1. **Lift Station Upgrades–**
 - Lift Station #10 was awarded to Lametti and Sons. The preconstruction meeting was held on July 25. No work during August. Lametti will provide a schedule soon.
 - Lift Station #3 Project. The landscaping requested by the adjacent residents will be installed in the next month.
2. **Safety**
 - The revised Job Hazard Analysis sheets are now being reviewed and signed by staff.
3. **Water Meter Repair/Reading**
 - Water meter issue update – Water meter testing results will be shared with the Town Board today.
 - Commercial meter testing will begin soon with the information that has been provided by Utility Billing.
4. **2018-2027 Capital Equipment/Capital Improvement Programs**
 - The GIS Request for Bids has been placed on hold per staff's request.
 - Replacement of the Town warning sirens – All four are operational as of June 2018. A memo for the disposal will be on the August 6th Town Board meeting agenda.
5. **Storm Water Program**
 - The Town has received a grant of \$35,000.00 from RCWD for Outfalls #5 (St. Anthony) and #6 (Park St), both empty into Bald Eagle Lake. Ramsey County Public Works has provided an agreement for a cost share for Outfall #6 since a portion of the discharge is from East Bald Eagle Avenue. The cost share amount is \$11,600.00.
 - The Town has applied for renewal of their current MS-4 permit and the SWPPP will need to be updated soon.
6. **Water system improvements/issues**
 - Well #5/Treatment Plant #1 – The valve limiter will be installed after further discussions with Tonka Water on who will be reorienting the existing valve. Tonka Water was on site to install the limiter in June. There is an issue with the ability to install the limiter with the valve as it is placed.
 - An interconnect for area south of TH 96 with the City of White Bear Lake's water system is going to be proposed to the Town Board in 2018. The Town Engineer and Public Works Director will need to visit the possible interconnect locations to determine which is the most feasible in May.

- Water Tower Clean and Coat did complete the cleaning of the exterior of the South Water Tower in June.
 - Well #1 rehabilitation was completed in June after some additional sand was removed from the bottom of the bore hole.
 - A quote for a concrete floor in the base of the Northeast Water Tower will be approved by the Town Board soon.
7. **Sanitary sewer system improvements/issues**
- There is a section of sanitary sewer gravity line just west of lift station #3 has been identified as a potential lining project, there are many joints within that section that groundwater is infiltration.
 - The Town Board has approved for the Town Engineer to develop plans and specs for the lining of the gravity line, west of lift station #3.
8. **Street Improvement Program.**
- The Town Engineer has been directed by the Town Board to prepare a feasibility report on the Bellaire and Eastwood Manor neighborhoods.
 - 2018 Sealcoat Project was completed by Allied Blacktop Company during the week of July 16th. A called has been placed with the contractor in regards to sweeping.
 - Emerald Ash Borer Management Plan will be updated based upon the Park Board recommendations and Town Board approval.
9. **Sign replacement program (retroreflectivity standard)**
- Street name sign replacement is proposed for 2019. Staff is currently taking inventory of our existing sign locations and number. The CIP \$\$\$ may need to be increased.
10. **Personnel Updates:**
- Tim has been hired as the replacement Maintenance Worker vacancy left by the retirement of Reed Walstad.
11. **Park Projects:**
- Apple Tree Park Playground replacement project - The adult fitness equipment has been installed.
 - Bellaire Beach house rehabilitation. The roof replacement project is completed.
 - Eagle Park Tennis Courts have been removed and repaved by Asphalt Restoration Company. The fencing will be replaced soon by Modern Fence. Court color coating quotes are being requested at this time.
 - The trails along White Bear Parkway, Hammond Road, Centerville Road, Otter Lake Road, Polar Lakes Park and Columbia Park will be sealcoated in 2019. The Public Works Director is working on specifications for the project to be approved by the Town Board.
 - The pitching mound was constructed on Field #2 in Polar Lakes.

12. Ramsey County Projects within the Township;

2018

- Reclamation and paving of Stillwater Street – The pr
- Mill and Overlay of County Road J from Highway 61 to Portland Avenue North.
- System Improvements on Highway 96.

2019

- Mill and Overlay of Century Avenue from Co Rd E to Co Rd F.
- Mill and Overlay of South Shore Boulevard from White Bear Avenue to Co Rd F.
- Concrete Rehab of Highway 96 from I-35E to Highway 61.

2020-2022 Proposed

- Co Rd F from McKnight Road to Century (East Co Ln)
- Co Rd H-2 from Centerville Road to West Bald Eagle Boulevard
- Otter Lake Road from Goose Lake Road to CSAH 96
- Portland Avenue from Highway 96 to Taylor Avenue.

13. Informational sharing regarding Public Works in general:

Public Works Jobs for July 2018

1. Monthly safety inspections of fall harnesses, fire extinguishers, lighting, first aid kits and A.E.D.
2. Continuing doing water testing and monitoring of the towns water system
3. Operating and testing water at well # 5
4. Continuous water testing at well's 1, 3, 4, 5 and 6
5. Continued water meter and Radio repairs
6. Complete the 15 State water tests for this month
7. Various water shut off for home repairs
8. New construction water turn on's
9. Gopher one locates in Township, North Oaks, Gem Lake, and Birchwood
10. Picked up downed trees from recent storms
11. Repaired damaged and filling catch basins throughout the Town
12. Repaired the failing culvert's at South Shore Blvd. and Glen Oaks and Bellaire Beach
13. Jetted and cleaned multiple storm sewer pipe in Otter Hills
14. Prepped roads for seal coating
15. Currently propping trails for seal coating
16. Started skin patching the Mallard Ponds area
17. Started curb repairs in the Township
18. Ongoing pothole patching
19. Repaired the Division Street rain gardens with new socks and repaired some of the stand pipes

20. Mowing and weed whipping Town Parks and lots
21. Fertilized Polar Lakes Park, Longville and Four Season Baseball fields, Columbia soccer field, and Gem Lake, Public Works and Admin.
22. Disked Bellaire beach multiple times
23. Emptied trash in all the parks

Mechanic jobs for July 2018

- Assisted Public Works
- Rewired and added a n traffic advisor on # 26 (pickup truck)
- Added new front warning lights on # 38 (2.5 yd. dump truck)
- Installed new headlight shrouds and headlights in # 38 (2.5 yd. dump truck)
- Added a counter weight and repaired the fender on # 54 (mower trailer)
- Repaired the gas tank on the walk behind concrete saw
- Buffed the hood out of the heavy water spots on # 26 (pickup truck)
- Buffed the hood out of the heavy water spots on # 39 (pickup truck)
- Changed the tire on # 19 (mower)
- Replaced the battery in # 5 (mower)
- Assisted with the installation of the camera pole
- Removed old wiring and cleaned up the utility room at the Admin building
- Ordered warning light for the new supervisor truck and service truck
- Serviced multiple pieces of equipment



Utility Commission Meeting August 9, 2018

Agenda Number:

9

Subject:

Utility Rate Changes

Documentation:

Finance Officer Information

Action / Motion for Consideration:

Receive Information / Discuss

Minutes
Utility Commission
June 14, 2018

UTILITY RATE CHANGES: Annually the Utility Commission reviews the Town's utility rates. The goal of the Town's utility rates is to cover 100% of operation costs and 75% of depreciation. Cash balances of each fund may increase or decrease from one year to the next based on improvement projects funded by each fund.

The projected revenues, expenses and changes in cash balance based on proposed rate increases and improvement projects were reviewed. Changes in proposed residential utility bills and the current 10-year CIP as it relates to the utility funds were reviewed as well as the Water Fund, Sewer Fund, and Storm Water Fund. The Finance Officer will review the numbers in all three funds, update the reports and bring back for discussion.

UTILITY RATE CHANGES

Annually, the Utility Commission reviews the Town's utility rates. The goal of the Town's utility rates is to cover 100% of operation costs and 75% of depreciation. Cash balances of each fund may increase or decrease from one year to the next based on improvement projects funded by each fund. Attached are the projected revenues, expenses and changes in cash balances based on proposed rate increases and improvement projects. For the water fund there are projections based on an irrigation ban on residential properties.

CURRENT AND NEW (2019) UTILITY RATES

		WATER RATES			Proposed
		2016	2017	2018	2019
		Gallons	Rate	Rate	Rate
Base Rate		\$ 17.75	\$ 19.20	\$ 20.50	\$ 21.25
Volume Rate:					
Tier 1	0 - 20,000	\$ 1.95	\$ 2.01	\$ 2.25	\$ 2.35
Tier 2	20,001 - 32,000	\$ 2.15	\$ 2.21	\$ 2.45	\$ 2.60
Tier 3	32,001 - 44,000	\$ 2.57	\$ 2.76	\$ 3.10	\$ 3.38
Tier 4	44,001 +	\$ 3.86	\$ 4.14	\$ 4.60	\$ 5.75
Irrigation:					
Residential		\$ 2.57	\$ 2.76	\$ 3.10	\$ 3.38
Commercial		\$ 2.57	\$ 2.76	\$ 3.85	\$ 4.20

		SEWER RATES				
		Gallons	Rate	Current	Current	Proposed
Base Rate:						
Residential	*	\$ 46.00	\$ 48.38	\$ 50.80	\$ 51.00	
Commercial		\$ 40.60	\$ 42.82	\$ 45.00	\$ 45.15	
Volume Rate:						
Residential	*	\$ 1.08	\$ 2.00	\$ 3.00	\$ 4.00	
Commercial		\$ 2.50	\$ 5.00	\$ 7.50	\$ 10.00	

* Residential base rate includes up to 5,000 gallons of usage. Any usage over 5,000 gallons will be billed \$3.00 per 1,000 gallons plus the base rate.

		STORM WATER RATES				
		Gallons	Rate	Current	Current	Proposed
Per Quarter		\$ 17.00	\$ 20.00	\$ 20.00	\$ 21.00	

All volume rates are per thousand gallons with the sewer rate based on winter quarter water usage for residential customers.

Residential Bills	2015	2016	2017	2018	Proposed	
Residential Water Use	61,053,841	58,156,961	58,573,470	81,283,663	77,481,114	
# Customers	4,544	4,587	4,620	4,642	4,692	
Average Residential Water Use	13,436	12,679	12,678	17,510	16,513	
Quarterly Bill Based on Proposed Rates						
If used average water use:						% Change
Water Base Charge	\$16.50	\$17.75	\$19.20	\$20.50	\$21.25	
Water Usage Charge	\$22.19	\$24.72	\$25.48	\$39.40	\$38.81	
Sewer Base Charge	\$46.39	\$46.00	\$48.38	\$50.80	\$51.00	
Sewer Usage Charge	\$7.83	\$8.29	\$15.36	\$23.03	\$32.31	
Storm Water Charge	\$12.48	\$17.00	\$20.00	\$20.00	\$21.00	
Total Bill	\$105.39	\$113.76	\$128.42	\$153.73	\$164.36	6.92%
3,668 Accounts with 0 - 20,000 gallons used						
Average consumption 10,081 gallons						
Water Base Charge	\$16.50	\$17.75	\$19.20	\$20.50	\$21.25	
Water Usage Charge (Average Consumption)	\$18.01	\$20.07	\$20.69	\$23.16	\$23.69	
Sewer Base Charge	\$46.39	\$46.00	\$48.38	\$50.80	\$51.00	
Sewer Usage Charge (Average winter consumption)	\$5.20	\$5.51	\$10.20	\$15.30	\$18.41	
Storm Water Charge	\$12.48	\$17.00	\$20.00	\$20.00	\$21.00	
Total Bill	\$98.58	\$106.33	\$118.46	\$129.75	\$135.35	4.32%
605 Accounts with 20,001 - 32,000 gallons used						
Average consumption 24,676 gallons						
Water Base Charge	\$16.50	\$17.75	\$19.20	\$20.50	\$21.25	
Water Usage Charge (Average Consumption)	\$43.15	\$48.87	\$50.35	\$56.25	\$59.16	
Sewer Base Charge	\$46.39	\$46.00	\$48.38	\$50.80	\$51.00	
Sewer Usage Charge (Average winter consumption)	\$19.43	\$20.57	\$38.10	\$57.15	\$75.54	
Storm Water Charge	\$12.48	\$17.00	\$20.00	\$20.00	\$21.00	
Total Bill	\$137.95	\$150.19	\$176.03	\$204.70	\$227.94	11.36%
189 Accounts with over 32,001 - 44,000 gallons used						
Average consumption 37,012 gallons						
Water Base Charge	\$16.50	\$17.75	\$19.20	\$20.50	\$21.25	
Water Usage Charge (Average Consumption)	\$67.65	\$78.04	\$80.94	\$90.37	\$95.14	
Sewer Base Charge	\$46.39	\$46.00	\$48.38	\$50.80	\$51.00	
Sewer Usage Charge (Average winter consumption)	\$32.40	\$34.31	\$63.54	\$95.30	\$126.35	
Storm Water Charge	\$12.48	\$17.00	\$20.00	\$20.00	\$21.00	
Total Bill	\$175.42	\$193.10	\$232.06	\$276.98	\$314.74	13.63%
232 Accounts with over 44,001 gallons used						
Average consumption 80,381 gallons						
Water Base Charge	\$16.50	\$17.75	\$19.20	\$20.50	\$21.25	
Water Usage Charge (Average Consumption)	\$185.95	\$230.38	\$244.35	\$272.17	\$327.95	
Sewer Base Charge	\$46.39	\$46.00	\$48.38	\$50.80	\$51.00	
Sewer Usage Charge (Average winter consumption)	\$71.81	\$76.04	\$140.81	\$211.22	\$242.26	
Storm Water Charge	\$12.48	\$17.00	\$20.00	\$20.00	\$21.00	
Total Bill	\$333.13	\$387.17	\$472.74	\$574.69	\$663.46	15.45%

SANITARY SEWER FUND
Total

%	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Increase	Actual	Actual	Budget	Projected								
Total Expenses	\$300,161	\$313,752	\$329,440	\$345,912	\$363,207	\$381,368	\$400,436	\$420,458	\$441,481	\$463,555	\$486,732	\$511,069
105.00% Personnel Services	\$36,490	\$29,928	\$37,900	\$39,037	\$40,208	\$41,414	\$42,657	\$43,936	\$45,255	\$46,612	\$48,011	\$49,451
103.00% Supplies	\$297,736	\$421,622	\$729,880	\$751,776	\$774,330	\$797,560	\$821,486	\$846,131	\$871,515	\$897,660	\$924,590	\$952,328
103.00% Other Services & Charges	\$810,335	\$839,533	\$904,955	\$968,302	\$1,036,083	\$1,108,609	\$1,186,211	\$1,269,246	\$1,358,093	\$1,453,160	\$1,554,881	\$1,663,723
108.50% M.C.E.S. Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
0.00% M.C.E.S. Surcharge	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
0.00% Improvements	\$227,502	\$225,548	\$228,750	\$228,750	\$228,750	\$228,750	\$228,750	\$228,750	\$228,750	\$228,750	\$228,750	\$228,750
100.00% Depreciation	\$59,048	\$55,760	\$55,127	\$56,663	\$55,763	\$57,036	\$58,167	\$0	\$0	\$0	\$0	\$0
0.00% Debt Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
0.00% Transfers	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Expenses	\$1,731,272	\$1,886,143	\$2,286,052	\$2,390,440	\$2,498,341	\$2,614,736	\$2,737,707	\$2,808,521	\$2,945,093	\$3,089,737	\$3,242,964	\$3,405,321
Total Revenues	\$1,315,559	\$1,550,392	\$1,933,207	\$2,152,946	\$2,466,328	\$2,853,912	\$2,977,297	\$3,103,576	\$3,238,222	\$3,378,736	\$3,525,382	\$3,678,436
Gain/(Loss)	(\$415,713)	(\$335,751)	(\$352,845)	(\$237,494)	(\$32,013)	\$239,176	\$239,590	\$295,054	\$293,128	\$288,999	\$282,418	\$273,115
Beginning Cash Balance	\$1,676,890	\$1,274,228	(\$128,962)	(\$431,548)	(\$497,605)	(\$111,018)	\$543,921	\$701,437	\$1,406,581	\$2,106,962	\$2,800,377	\$3,484,374
Gain (Loss) From Volume	(886,734)	(760,131)	(827,356)	(704,325)	(506,345)	(244,896)	(255,525)	(208,564)	(221,662)	(236,854)	(254,358)	(274,413)
Gain (Loss) From Fixed	471,021	424,380	474,511	466,832	474,333	484,072	495,115	503,618	514,790	525,852	536,776	547,528
Special Assessments Collections	0	41,340	109,008	100,187	97,350	94,513	91,676	88,840	86,003	83,166	80,329	77,492
Depreciation	303,336	300,730	305,000	305,000	305,000	305,000	305,000	305,000	305,000	305,000	305,000	305,000
Less Improvements	(290,285)	(1,484,691)	(440,000)	(310,000)	(60,000)	(60,000)	(555,000)	(60,000)	(60,000)	(60,000)	(60,000)	(60,000)
Ending Cash	1,274,228	(128,962)	(431,548)	(497,605)	(111,018)	543,921	701,437	1,406,581	2,106,962	2,800,377	3,484,374	4,156,231

SANITARY SEWER FUND
Fixed (Flat) Rates

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
% Increase	Actual	Actual	Budget	Projected								
105.00%	\$225,121	\$235,314	\$247,080	\$259,434	\$272,405	\$286,026	\$300,327	\$315,343	\$331,110	\$347,666	\$365,049	\$383,302
103.00%	11,808	11,320	14,900	15,347	15,807	16,282	16,770	17,273	17,791	18,325	18,875	19,441
103.00%	243,871	259,220	266,480	274,474	282,709	291,190	299,926	308,923	318,191	327,737	337,569	347,696
108.50%	0	0	0	0	0	0	0	0	0	0	0	0
0.00%	0	0	0	0	0	0	0	0	0	0	0	0
100.00%	0	0	0	0	0	0	0	0	0	0	0	0
0.00%	0	0	0	0	0	0	0	0	0	0	0	0
0.00%	0	0	0	0	0	0	0	0	0	0	0	0
Total Fixed Expenses	\$480,800	\$505,854	\$528,460	\$549,255	\$570,921	\$593,497	\$617,023	\$641,540	\$667,093	\$693,728	\$721,493	\$750,439
Total Revenues	\$951,820	\$930,234	\$1,002,971	\$1,016,087	\$1,045,254	\$1,077,569	\$1,112,138	\$1,145,158	\$1,181,883	\$1,219,580	\$1,258,269	\$1,297,967
Gain/(Loss)	\$471,021	\$424,380	\$474,511	\$466,832	\$474,333	\$484,072	\$495,115	\$503,618	\$514,790	\$525,852	\$536,776	\$547,528
Quarterly Expenses	120,200	126,464	132,115	137,314	142,730	148,374	154,256	160,385	166,773	173,432	180,373	187,610
Penalties	38,782	30,000	8,750	8,750	8,750	8,750	8,750	8,750	8,750	8,750	8,750	8,750
2.00% Interest Earnings	9,003	(5,559)	(645)	(2,158)	(2,488)	(555)	2,720	3,507	7,033	10,535	14,002	17,422
Quarterly Expenses for Rates	111,197	132,023	124,010	139,472	145,218	148,929	151,536	156,878	159,740	162,897	166,371	170,188
Flat (Base) Rate	\$40.60	\$42.82	\$45.00	\$45.15	\$46.50	\$47.90	\$49.34	\$50.82	\$52.34	\$53.91	\$55.53	\$57.19
Commercial/Industrial Rate	\$5.40	\$5.40	\$15.00	\$20.00	\$25.00	\$31.25	\$32.81	\$34.45	\$36.18	\$37.98	\$39.88	\$41.88
Include 5,000 gals	\$46.00	\$48.38	\$50.80	\$51.00	\$52.53	\$54.11	\$55.73	\$57.40	\$59.12	\$60.90	\$62.72	\$64.61
Residential Flat (Base) Rate	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
% of Revenue Residential	4,642	4,642	4,642	4,695	4,695	4,695	4,695	4,695	4,695	4,695	4,695	4,695
# of Residential Customers	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
% of Revenue Commercial	141	141	141	141	141	141	141	141	141	141	141	141
# of Commercial Customers	141	141	141	141	141	141	141	141	141	141	141	141
Revenue per Quarter	\$219,256.60	\$230,617.58	\$242,153.96	\$245,811.15	\$253,185.48	\$260,781.05	\$268,604.48	\$276,662.61	\$284,962.49	\$293,511.37	\$302,316.71	\$311,386.21

SANITARY SEWER FUND
Volume (Usage) Rate

%	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	Actual	Actual	Budget	Projected								
Increase	\$75,040	\$78,438	\$82,360	\$86,478	\$90,802	\$95,342	\$100,109	\$105,114	\$110,370	\$115,889	\$121,683	\$127,767
105.00%	Personnel Services	18,608	23,690	23,690	24,401	25,133	25,887	26,663	27,463	28,287	29,136	30,010
103.00%	Supplies*	53,865	162,402	463,400	477,302	506,370	521,561	537,208	553,374	569,924	587,021	604,632
103.00%	Other Services & Charges**	810,335	839,533	904,955	968,302	1,108,609	1,186,211	1,269,246	1,358,093	1,452,160	1,554,881	1,663,723
107.00%	M.C.E.S. Charges	0	0	0	0	0	0	0	0	0	0	0
0.00%	M.C.E.S. Surcharge	0	0	0	0	0	0	0	0	0	0	0
0.00%	Improvements	227,502	225,548	228,750	228,750	228,750	228,750	228,750	228,750	228,750	228,750	228,750
100.00%	Depreciation	59,048	55,760	55,127	56,663	57,036	58,167	0	0	0	0	0
0.00%	Debt Services	0	0	0	0	0	0	0	0	0	0	0
0.00%	Transfers	0	0	0	0	0	0	0	0	0	0	0
	\$1,250,472	\$1,380,289	\$1,757,592	\$1,841,185	\$1,927,420	\$2,021,239	\$2,120,685	\$2,166,982	\$2,278,001	\$2,396,009	\$2,521,471	\$2,654,852
	Total Fixed Expenses											
	\$363,738	\$620,157	\$930,236	\$1,136,859	\$1,421,074	\$1,776,343	\$1,865,160	\$1,958,418	\$2,056,339	\$2,159,156	\$2,267,114	\$2,380,469
	Total Revenues											
	(\$886,734)	(\$760,131)	(\$827,356)	(\$704,323)	(\$506,345)	(\$244,896)	(\$255,525)	(\$208,564)	(\$271,662)	(\$236,854)	(\$254,358)	(\$274,413)
	Gain/(Loss)											
	\$312,618	\$345,072	\$439,398	\$460,296	\$481,855	\$505,310	\$530,171	\$541,745	\$569,500	\$599,002	\$630,368	\$663,720
	Quarterly Expenses											
Volume (Usage) Rate	\$1.0800	\$2.00	\$3.00	\$4.00	\$5.00	\$6.25	\$6.56	\$6.89	\$7.24	\$7.60	\$7.98	\$8.38
Current Rate	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
% of Revenue Residential	56,813,473	37,755,864	37,755,864	31,289,918	31,289,918	31,289,918	31,289,918	31,289,918	31,289,918	31,289,918	31,289,918	31,289,918
# of Residential Gallons	56,813	37,756	37,756	31,290	31,290	31,290	31,290	31,290	31,290	31,290	31,290	31,290
# of Residential Gallons per 1,000	\$2,5000	\$5.00	\$7.50	\$10.00	\$12.50	\$15.63	\$16.41	\$17.23	\$18.09	\$18.99	\$19.94	\$20.94
Commercial/Industrial Rate	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
% of Revenue Commercial	21,435,915	15,905,517	15,905,517	26,216,001	26,216,001	26,216,001	26,216,001	26,216,001	26,216,001	26,216,001	26,216,001	26,216,001
# of Commercial Gallons	21,436	15,906	15,906	15,906	15,906	15,906	15,906	15,906	15,906	15,906	15,906	15,906
# of Commercial Gallons per 1,000	\$90,934.54	\$155,039.31	\$232,558.97	\$284,214.84	\$355,268.55	\$444,085.69	\$466,289.98	\$489,604.47	\$514,084.70	\$539,788.93	\$566,778.38	\$595,117.30
Revenue per Quarter												

* Supplies include chemicals, other operating supplies, equipment repair parts, and building repair supplies.
 ** Other Services & Charges include electricity and repair maintenance.

STORMWATER FUND

%	Total	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
		Actual	Budget	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Increase	Total Expenses	\$86,253	\$91,431	\$106,105	\$111,410	\$116,981	\$122,830	\$128,971	\$135,420	\$142,191	\$149,300	\$156,765	\$164,604
105.00%	Personnel Services	\$6,618	\$3,943	\$4,950	\$5,099	\$5,251	\$5,409	\$5,571	\$5,738	\$5,911	\$6,088	\$6,271	\$6,459
103.00%	Supplies	\$75,225	\$117,289	\$162,135	\$166,999	\$172,009	\$177,169	\$182,484	\$187,959	\$193,598	\$199,406	\$205,388	\$211,549
103.00%	Other Services & Charges	\$34,604	\$22,596	\$460,000	\$605,000	\$215,000	\$255,000	\$305,000	\$330,000	\$340,000	\$305,000	\$305,000	\$305,000
0.00%	Improvements	\$20,407	\$19,080	\$22,500	\$23,625	\$24,806	\$26,047	\$27,349	\$28,716	\$30,152	\$31,660	\$33,243	\$34,905
100.00%	Depreciation	\$29,004	\$27,389	\$27,078	\$27,833	\$27,391	\$28,016	\$28,571	\$0	\$0	\$0	\$0	\$0
0.00%	Debt Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
0.00%	Transfers	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total Expenses	\$252,111	\$481,728	\$782,768	\$939,966	\$561,438	\$614,471	\$677,947	\$687,833	\$711,851	\$691,454	\$706,666	\$722,517
	Total Revenues	\$317,283	\$572,178	\$537,748	\$563,170	\$587,326	\$611,508	\$636,832	\$663,370	\$691,038	\$719,921	\$749,964	\$781,311
	Gain/(Loss)	\$65,171	\$90,450	(\$245,020)	(\$376,796)	\$25,887	(\$2,963)	(\$41,115)	(\$24,464)	(\$20,814)	\$28,467	\$43,298	\$58,795
	Storm Water Rate	\$12.21	\$20.00	\$20.00	\$21.00	\$21.99	\$22.89	\$23.85	\$24.86	\$25.90	\$27.00	\$28.12	\$29.30
	Beginning Cash Balance	452,800.70	745,181.27	892,279.70	690,809.30	359,063.58	431,575.72	476,891.87	485,792.31	513,167.21	546,106.43	630,336.94	731,508.34
	Gain/(Loss) From Improvements	65,171.23	90,449.43	(245,020.40)	(376,795.72)	25,887.15	(2,962.61)	(41,114.74)	(24,463.55)	(20,813.65)	28,467.49	43,297.74	58,794.64
	Gain/(Loss) From Operating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Depreciation	27,209.34	25,440.00	30,000.00	31,500.00	33,075.00	34,728.75	36,465.19	38,288.45	40,202.87	42,213.01	44,323.66	46,539.85
	Grant Proceeds	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Special Assessment Collection	0.00	31,209.00	13,550.00	13,550.00	13,550.00	13,550.00	13,550.00	13,550.00	13,550.00	13,550.00	13,550.00	13,550.00
	Transfers In	200,000.00											
	Ending Cash Balance	745,181.27	892,279.70	690,809.30	359,063.58	431,575.72	476,891.87	485,792.31	513,167.21	546,106.43	630,336.94	731,508.34	850,392.83

STORMWATER FUND
Operating

%	2016	2017	2018	2019	2020		2021		2022		2023		2024		2025		2026		2027		
					Actual	Projected	Budget	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Increase																					
105.00%	\$86,253	\$91,431	\$106,105	\$111,410	\$116,981	\$122,830	\$128,971	\$135,420	\$142,191	\$149,300	\$156,765	\$164,604									
103.00%	3,824	3,729	3,950	4,069	4,191	4,316	4,446	4,579	4,717	4,858	5,004	5,154									
103.00%	69,513	108,739	147,135	151,549	156,096	160,778	165,602	170,570	175,687	180,957	186,386	191,978									
0.00%	0	0	0	0	0	0	0	0	0	0	0	0									
100.00%	0	0	0	0	0	0	0	0	0	0	0	0									
0.00%	0	0	0	0	0	0	0	0	0	0	0	0									
0.00%	0	0	0	0	0	0	0	0	0	0	0	0									
Total Fixed Expenses	\$159,590	\$203,899	\$257,190	\$267,028	\$277,267	\$287,924	\$299,019	\$310,569	\$322,594	\$335,116	\$348,155	\$361,735									
Total Revenues	\$159,590	\$203,899	\$257,190	\$267,028	\$277,267	\$287,924	\$299,019	\$310,569	\$322,594	\$335,116	\$348,155	\$361,735									
Gain/(Loss)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0									
Quarterly Expenses	\$39,897.50	\$50,974.75	\$64,297.50	\$66,756.95	\$69,316.71	\$71,981.11	\$74,754.70	\$77,642.19	\$80,648.56	\$83,778.97	\$87,038.84	\$90,433.83									
Penalties	\$15,257.00	\$2,375.75	\$1,750.00	\$1,750.00	\$1,750.00	\$1,750.00	\$1,750.00	\$1,750.00	\$1,750.00	\$1,750.00	\$1,750.00	\$1,750.00									
2.00% Interest Earnings	\$10,383	\$7,802	\$4,461	\$3,454	\$1,743	\$2,050	\$2,219	\$2,203	\$2,277	\$2,375	\$2,727	\$3,160									
Quarterly Expenses for Rates	\$14,258	\$40,797	\$58,086	\$61,553	\$65,824	\$68,181	\$70,786	\$73,689	\$76,672	\$79,654	\$82,562	\$85,524									

Rate to Fund Operations					\$15.57	\$16.16	\$16.78	\$17.44	\$18.12	\$18.83	\$19.55	\$20.30
Current Rate	\$3.24	\$9.28	\$14.28	\$14.89	\$15.57	\$16.16	\$16.78	\$17.44	\$18.12	\$18.83	\$19.55	\$20.30
% of Revenue Residential	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
# of Residential Customers	4,395	4,395	4,395	4,395	4,395	4,395	4,395	4,395	4,395	4,395	4,395	4,395
Revenue per Quarter	\$14,239.80	\$40,785.60	\$62,744.65	\$65,455.94	\$68,443.52	\$71,031.05	\$73,762.41	\$76,653.89	\$79,641.87	\$82,747.70	\$85,919.67	\$89,206.42

STORMWATER FUND
Improvements

%	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	Actual	Actual	Budget	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Increase	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
0.00%	2,794	214	1,000	1,061	1,093	1,126	1,159	1,194	1,230	1,267	1,305	1,305
103.00%	Personnel Services											
	5,712	8,550	15,000	15,914	16,391	16,883	17,369	17,911	18,448	19,002	19,572	19,572
103.00%	Other Services & Charges **											
0.00%	34,604	222,586	460,000	605,000	215,000	305,000	330,000	340,000	305,000	305,000	305,000	305,000
0.00%	Improvements											
0.00%	20,407	19,080	22,500	24,806	26,047	27,349	28,716	30,152	31,660	33,243	34,905	34,905
0.00%	Depreciation											
0.00%	29,004	27,389	27,078	27,391	28,016	28,571	0	0	0	0	0	0
0.00%	Debt Services											
0.00%	0	0	0	0	0	0	0	0	0	0	0	0
0.00%	Estimated New Debt Service											
0.00%	0	0	0	0	0	0	0	0	0	0	0	0
0.00%	Transfers											
	\$92,521	\$277,829	\$525,578	\$672,938	\$284,172	\$326,546	\$378,928	\$377,265	\$389,257	\$356,338	\$358,511	\$360,781
Total Fixed Expenses												
	\$157,693	\$368,279	\$280,558	\$796,142	\$330,059	\$323,584	\$337,813	\$352,801	\$368,443	\$384,805	\$401,809	\$419,576
Total Revenues												
	\$65,171	\$90,445	(\$245,020)	(\$376,796)	\$25,887	(\$2,963)	(\$41,115)	(\$24,464)	(\$20,814)	\$28,467	\$43,298	\$58,795
Gain/(Loss)												
	\$23,130.34	\$69,457.29	\$131,394.50	\$168,234.50	\$71,042.91	\$81,636.55	\$94,732.01	\$94,316.18	\$97,314.25	\$89,084.44	\$89,627.77	\$90,195.31
Quarterly Expenses												

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	Actual	Actual	Budget	Projected								
Rate to Fund Improvements	58.97	\$10.72	\$5.72	\$6.11	\$6.42	\$6.74	\$7.07	\$7.43	\$7.80	\$8.19	\$8.60	\$9.03
Current Rate	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
% of Revenue Residential	4,395	4,395	4,395	4,395	4,395	4,395	4,395	4,395	4,395	4,395	4,395	4,395
# of Residential Customers	43,500	43,500	43,500	45,682	47,819	49,790	51,867	54,060	56,338	58,715	61,167	63,719
Commercial Customers												
Revenue per Quarter	\$39,423.15	\$90,614.40	\$68,639.40	\$72,535.57	\$76,014.70	\$79,395.90	\$82,853.32	\$86,700.29	\$90,610.84	\$94,701.31	\$98,952.20	\$103,393.97

* Supplies include chemicals, other operating supplies, equipment repair parts, and building repair supplies.
 ** Other Services & Charges include electricity and repair maintenance.

WATER FUND (No Irrigation Ban)
Total

%	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	Actual	Actual	Budget	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Increase												
Total Expenses	\$326,665	\$344,518	\$363,318	\$381,484	\$400,558	\$420,586	\$441,615	\$463,696	\$486,881	\$511,225	\$536,786	\$563,625
105.00% Personnel Services	\$128,864	\$182,724	\$222,950	\$229,639	\$236,528	\$243,623	\$250,932	\$258,460	\$266,214	\$274,200	\$282,426	\$290,899
103.00% Supplies	\$537,520	\$697,231	\$621,780	\$650,433	\$669,946	\$690,045	\$710,746	\$732,069	\$754,031	\$776,651	\$799,951	\$823,950
103.00% Other Services & Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
0.00% Improvements	\$317,323	\$306,255	\$333,750	\$337,500	\$341,250	\$345,000	\$348,750	\$352,500	\$356,250	\$360,000	\$363,750	\$367,500
100.00% Depreciation	\$336,208	\$326,030	\$282,750	\$286,625	\$37,969	\$38,836	\$39,605	\$0	\$0	\$0	\$0	\$0
0.00% Debt Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
0.00% Transfers	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Expenses	\$1,646,580	\$1,856,758	\$1,824,548	\$2,385,681	\$1,686,251	\$1,738,050	\$1,791,649	\$1,806,725	\$1,863,375	\$1,922,077	\$1,982,914	\$2,045,974
Total Revenues	\$1,436,815	\$1,494,726	\$1,588,847	\$1,897,181	\$1,922,565	\$2,001,909	\$2,072,817	\$2,129,188	\$2,188,658	\$2,246,553	\$2,306,292	\$2,369,194
Gain/(Loss)	(209,764.95)	(362,031.79)	(235,701.18)	(488,500.13)	236,313.59	263,818.68	281,168.37	322,463.67	325,282.71	324,476.10	323,378.23	323,220.01
Cash Balance	2,276,379.44	937,787.04	952,142.62	(321,201.54)	253,520.63	862,383.85	1,413,185.73	2,065,980.05	2,585,820.79	3,142,345.15	3,800,167.46	4,408,878.13
Beginning Cash Balance	2,725,129.75	2,276,379.44	937,787.04	952,142.62	(321,201.54)	253,520.63	862,383.85	1,413,185.73	2,065,980.05	2,585,820.79	3,142,345.15	3,800,167.46
Gain/(Loss) From Volume	(248,561.80)	(308,572.50)	(220,644.42)	(474,344.16)	271,972.17	270,363.22	268,551.88	306,794.32	305,090.74	303,024.35	300,572.31	297,710.67
Gain/(Loss) From Fixed	38,796.85	(53,459.29)	(15,056.76)	(14,155.97)	(35,658.58)	(6,544.54)	12,616.48	15,669.35	20,191.97	21,451.74	22,805.92	25,509.34
Plus Depreciation	423,097.00	408,340.00	445,000.00	450,000.00	455,000.00	460,000.00	465,000.00	470,000.00	475,000.00	480,000.00	485,000.00	490,000.00
Less Improvements	662,082.36	1,438,359.90	210,000.00	1,136,500.00	38,500.00	6,500.00	66,500.00	6,500.00	141,500.00	106,500.00	6,500.00	56,500.00
Ending Cash Balance	2,276,379.44	937,787.04	952,142.62	(321,201.54)	253,520.63	862,383.85	1,413,185.73	2,065,980.05	2,585,820.79	3,142,345.15	3,800,167.46	4,408,878.13

WATER FUND (No Irrigation Ban)
Fixed (Flat) Rates

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
% Increase	Actual	Actual	Budget	Projected								
105.00%	\$244,999	\$258,389	\$272,489	\$286,113	\$300,419	\$315,439	\$331,211	\$347,772	\$365,161	\$383,419	\$402,590	\$422,719
103.00%	12,177	11,586	13,750	14,163	14,587	15,025	15,476	15,940	16,418	16,911	17,418	17,941
103.00%	168,862	166,874	179,780	185,173	190,729	196,450	202,344	208,414	214,667	221,107	227,740	234,572
0.00%	0	0	0	0	0	0	0	0	0	0	0	0
100.00%	0	0	0	0	0	0	0	0	0	0	0	0
0.00%	0	0	0	0	0	0	0	0	0	0	0	0
0.00%	0	0	0	0	0	0	0	0	0	0	0	0
Total Fixed Expenses	\$426,038	\$436,849	\$466,019	\$485,449	\$505,735	\$526,915	\$549,031	\$572,126	\$596,246	\$621,436	\$647,748	\$675,232
Total Revenues	\$464,835	\$383,389	\$450,962	\$471,293	\$470,076	\$520,370	\$561,648	\$587,796	\$616,438	\$642,888	\$670,554	\$700,741
Gain/(Loss)	\$38,797	(\$53,459)	(\$15,057)	(\$14,156)	(\$35,659)	(\$6,545)	\$12,616	\$15,669	\$20,192	\$21,452	\$22,806	\$25,509
Quarterly Expenses	\$106,509.49	\$109,212.13	\$116,504.63	\$121,362.21	\$126,433.64	\$131,728.74	\$137,257.80	\$143,031.59	\$149,061.40	\$155,359.04	\$161,936.91	\$168,807.96
Penalties	\$9,723.45	\$8,323.70	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
2.00% Interest Earnings	\$21,587	(\$4,310)	\$4,689	\$4,761	(\$1,606)	\$1,268	\$4,312	\$7,066	\$10,330	\$12,929	\$15,712	\$19,001
Quarterly Expenses for Rates	\$84,922	\$105,198	\$101,816	\$106,601	\$118,040	\$120,461	\$122,946	\$125,966	\$128,731	\$132,430	\$136,225	\$139,807
Flat (Base) Rate	\$17.75	\$19.20	\$20.50	\$21.25	\$22.50	\$24.50	\$26.00	\$26.78	\$27.58	\$28.41	\$29.26	\$30.14
% of Revenue Residential	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
# of Residential Customers	4,642	4,642	4,642	4,695	4,695	4,695	4,695	4,695	4,695	4,695	4,695	4,695
% of Revenue Commercial	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
# of Commercial Customers	141	141	141	155	155	155	155	155	155	155	155	155
Revenue per Quarter	\$84,898.25	\$91,833.60	\$98,051.50	\$103,062.50	\$109,125.00	\$118,825.00	\$126,100.00	\$129,883.00	\$133,779.49	\$137,792.87	\$141,926.66	\$146,184.46

WATER FUND (No Irrigation Ban)
Volume (Usage) Rate

%	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	Actual	Actual	Budget	Projected								
Increase	\$81,666	\$86,130	\$90,830	\$95,371	\$100,140	\$105,146	\$110,404	\$115,924	\$121,720	\$127,806	\$134,197	\$140,906
105.00%	Personnel Services	171,138	209,200	215,476	221,940	228,598	235,456	242,520	249,796	257,290	265,008	272,959
103.00%	Supplies *	368,658	530,357	442,000	465,260	493,218	508,402	523,654	539,364	555,545	572,211	589,377
103.00%	Other Services & Charges **	0	0	0	500,000	0	0	0	0	0	0	0
0.00%	Improvements	317,323	306,255	333,750	337,500	345,000	348,750	352,500	356,250	360,000	363,750	367,500
100.00%	Depreciation	336,208	326,030	282,750	286,625	38,836	39,605	0	0	0	0	0
0.00%	Debt Services	0	0	0	0	0	0	0	0	0	0	0
0.00%	Transfers	0	0	0	0	0	0	0	0	0	0	0
	\$1,220,542	\$1,419,910	\$1,358,630	\$1,900,232	\$1,180,517	\$1,211,175	\$1,242,617	\$1,234,598	\$1,267,130	\$1,300,641	\$1,335,166	\$1,370,742
Total Fixed Expenses												
Total Revenues	\$971,980	\$1,111,337	\$1,137,885	\$1,425,888	\$1,452,489	\$1,481,539	\$1,511,169	\$1,541,393	\$1,572,221	\$1,603,665	\$1,635,738	\$1,668,453
Gain/(Loss)	(\$248,562)	(\$308,573)	(\$220,644)	(\$474,344)	\$271,972	\$270,363	\$268,552	\$306,794	\$305,091	\$303,024	\$300,572	\$297,711
Quarterly Expenses	\$305,135.50	\$354,977.38	\$339,632.38	\$475,057.99	\$295,129.15	\$302,793.83	\$310,654.36	\$308,649.60	\$316,782.45	\$325,160.15	\$333,791.49	\$342,685.59
Volume (Usage) Rate												
Current Residential Rate	1.95	2.01	2.25	2.35	2.40	2.44	2.49	2.54	2.59	2.65	2.70	2.75
1 - 20,000 gallons	2.15	2.21	2.45	2.60	2.64	2.69	2.74	2.80	2.85	2.91	2.97	3.03
20,001 - 32,000 gallons	2.57	2.76	3.10	3.38	3.43	3.50	3.57	3.64	3.71	3.78	3.86	3.94
32,001 - 44,000 gallons	3.86	4.14	4.60	5.75	5.83	5.94	6.06	6.18	6.31	6.43	6.56	6.69
44,001 + gallons												
% of Revenue Commercial												
Current Commercial Rate	1.95	2.01	2.25	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.76	2.81
1 - 20,000 gallons	2.15	2.21	2.45	2.64	2.69	2.75	2.80	2.86	2.91	2.97	3.03	3.09
20,001 - 32,000 gallons	2.57	2.76	3.10	3.43	3.50	3.57	3.64	3.71	3.79	3.86	3.94	4.02
32,001 - 44,000 gallons	3.86	4.14	4.60	5.83	5.95	6.07	6.19	6.32	6.44	6.57	6.70	6.84
44,001 + gallons												
Revenue per Quarter	\$242,995.05	\$255,034.22	\$284,471.27	\$356,471.95	\$363,122.19	\$370,384.64	\$377,792.33	\$385,348.18	\$393,055.14	\$400,916.24	\$408,034.57	\$417,133.26

* Supplies include chemicals, other operating supplies, equipment repair parts, and street materials.
 ** Other Services & Charges include engineering, legal, misc professional services, gonher state locales, electricity, gas, and repair maintenance.
 2019 improvements are for water meter replacement
 ** 2019 includes \$10,000 for irrigation enforcement.

WATER USAGE	12/2016 - 2/2017		3/2017 - 5/2017		6/2017 - 8/2017		9/2017 - 11/2017		12/2017 - 2/2018		Average		Total	
	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	Per Customer	% of Customers
Residential														
Gallons Used														
0 - 20,000	3,980	40,954,014	4,116	40,510,339	2,712	29,705,844	3,667	37,584,214	4,175	40,093,152	3,668	36,973,387	10,081	75.3%
20,001 - 32,000	544	13,174,474	441	10,666,998	685	22,291,505	675	16,749,424	418	9,983,595	605	14,922,881	24,676	12.4%
32,001 - 44,000	82	2,949,682	78	2,899,070	385	14,299,215	222	8,184,060	69	6,976,711	189	6,976,711	37,012	3.9%
over 44,001	56	3,887,694	45	2,936,503	703	58,749,830	145	10,582,584	33	2,163,622	232	18,608,135	80,381	4.8%
Totals	4,662	60,965,864	4,680	57,012,860	4,685	125,046,394	4,709	73,100,282	4,695	54,764,918	4,692	77,481,114	16,513	96.4%
Commercial														
Gallons Used														
0 - 20,000	124	474,804	110	474,804	65	385,384	77	471,545	94	317,620	87	412,338	4,767	1.8%
20,001 - 32,000	11	285,026	13	328,728	11	288,857	13	318,357	17	419,153	14	338,799	25,096	0.3%
32,001 - 44,000	6	215,206	14	523,069	7	262,368	10	393,724	3	108,199	9	321,840	37,864	0.2%
over 44,001	40	11,437,430	46	12,345,780	102	50,500,913	87	26,299,279	41	11,426,122	69	25,143,024	364,392	1.4%
Totals	181	12,310,014	183	13,677,381	185	51,437,622	187	27,482,905	155	12,271,084	178	26,216,001	147,696	3.6%
Grand Total	4,843	73,275,878	4,863	70,685,241	4,870	176,484,016	4,896	100,583,187	4,850	67,036,012	4,870	103,697,114	21,284	100.0%
Residential														
Gallons Used														
0 - 20,000	3,986	40,254,944	3,962	39,803,442	2,711	29,109,298	3,915	38,959,101	3,980	40,954,014	3,642	37,206,464	10,216	74.8%
20,001 - 32,000	512	12,313,483	512	12,528,184	822	20,627,300	484	11,927,105	544	13,174,474	591	14,564,266	24,664	12.1%
32,001 - 44,000	81	2,978,175	100	3,659,179	394	14,704,340	131	4,892,490	82	2,949,682	177	6,546,423	37,038	3.6%
over 44,001	40	3,016,213	55	13,719,333	708	56,891,025	113	17,367,991	56	3,887,694	233	22,966,511	98,569	4.8%
Totals	4,619	58,562,815	4,629	69,650,138	4,635	121,331,963	4,643	73,146,687	4,662	60,965,864	4,642	81,283,663	17,510	95.3%
Commercial														
Gallons Used														
0 - 20,000	103	377,754	65	331,103	57	332,195	64	339,735	124	377,352	78	345,096	4,453	1.6%
20,001 - 32,000	10	254,764	17	413,550	10	258,875	12	293,477	11	285,026	13	312,732	25,019	0.3%
32,001 - 44,000	5	185,121	7	257,231	3	118,847	6	222,871	6	215,206	6	203,639	37,007	0.1%
over 44,001	39	11,429,826	39	13,240,383	58	20,775,225	46	14,728,561	40	11,432,430	46	15,044,150	328,834	0.9%
Totals	157	12,247,465	128	14,242,267	128	21,485,142	128	15,584,644	181	12,310,014	141	15,905,517	112,605	2.9%
Grand Total	4,776	70,810,280	4,757	83,932,405	4,763	142,817,105	4,771	88,731,331	4,843	73,275,878	4,784	97,189,180	20,318	98.2%

	12/2014 - 2/2015		3/2015 - 5/2015		6/2015 - 8/2015		9/2015 - 11/2015		12/2015 - 2/2016		Average		Total		
	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	Per Customer	# of Customers	Total Consumption
Residential															
Gallons Used	4,001	41,168,366	3,812	39,058,770	3,129	33,092,272	3,452	35,581,107	3,987	40,265,596	3,595	36,999,436	10,292	14,380	147,997,745
0 - 20,000	477	11,439,901	616	14,917,961	772	19,256,586	684	17,058,769	512	12,313,483	646	15,886,700	24,592	2,584	63,546,799
20,001 - 32,000	71	2,622,386	114	4,179,550	304	11,321,556	250	9,348,183	81	2,978,175	187	6,956,866	37,153	749	27,827,464
32,001 - 44,000	38	2,926,508	52	3,359,471	392	32,489,815	246	18,736,936	40	3,016,216	183	14,400,610	78,907	730	57,602,438
over 44,001															
Totals	4,587	58,156,961	4,594	61,515,752	4,597	96,160,229	4,632	80,774,995	4,620	58,573,470	4,611	74,243,612	16,102	18,443	296,974,446
Commercial															
Gallons Used	113	311,012	96	347,226	67	374,055	75	379,032	102	367,102	85	366,854	4,316	340	1,467,415
0 - 20,000	8	203,504	10	248,123	10	250,270	11	260,796	10	254,764	10	253,488	24,731	41	1,013,953
20,001 - 32,000	7	266,703	9	346,374	3	110,532	4	153,669	5	185,121	5	198,924	37,890	21	795,696
32,001 - 44,000	44	11,194,952	58	12,793,374	93	31,031,620	88	24,162,050	39	11,429,826	70	19,854,205	285,672	278	79,416,820
over 44,001															
Totals	172	11,975,671	173	13,735,047	173	31,766,477	178	24,955,547	156	12,236,813	170	20,673,471	121,609	680	82,693,884
Grand Total	4,759	70,132,632	4,767	75,250,799	4,770	127,926,706	4,810	105,680,542	4,776	70,810,283	4,781	94,917,083	19,854	19,123	379,668,330
Residential															
Gallons Used	3,848	40,899,990	3,992	40,204,463	2,752	29,912,751	3,622	37,557,071	4,001	41,168,366	3,592	37,210,663	10,360	14,367	148,842,651
0 - 20,000	569	13,316,976	456	11,020,055	871	21,873,803	595	14,688,259	477	11,439,501	600	14,755,405	24,603	2,399	59,021,618
20,001 - 32,000	99	3,623,030	82	2,930,723	437	16,300,332	194	7,204,318	71	2,622,586	196	7,254,490	37,064	784	29,057,959
32,001 - 44,000	48	3,213,845	32	3,365,196	507	13,177,331	171	13,777,238	38	2,926,508	187	37,836,568	203,335	748	151,346,273
over 44,001															
Totals	4,544	61,053,841	4,562	57,520,437	4,567	199,364,217	4,582	73,226,886	4,587	58,156,961	4,575	97,067,125	21,219	18,298	388,268,501
Commercial															
Gallons Used	94	333,837	103	429,477	60	309,218	62	303,754	113	311,012	85	338,365	4,004	338	1,353,461
0 - 20,000	6	153,699	7	180,728	8	191,517	12	307,981	8	203,504	9	220,933	25,249	35	883,730
20,001 - 32,000	4	151,699	7	273,921	5	180,145	6	309,489	7	266,203	7	257,440	38,139	27	1,029,758
32,001 - 44,000	44	11,195,994	39	9,912,489	97	37,207,222	90	24,162,050	44	11,194,952	68	20,619,178	305,469	270	82,476,713
over 44,001															
Totals	148	11,835,229	156	10,796,615	170	37,888,102	172	25,083,274	172	11,975,671	168	21,435,916	127,976	670	85,743,662
Grand Total	4,692	72,889,070	4,718	68,317,052	4,737	237,252,319	4,754	98,310,160	4,759	70,132,632	4,742	118,503,041	24,990	19,968	474,012,163

	12/2012 - 2/2013		3/2013 - 5/2013		6/2013 - 8/2013		9/2013 - 11/2013		12/2013 - 2/2014		Average		Total			
	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	Per Customer	% of Customers	# of Customers	Total Consumption
Residential																
Gallons Used	3,584	38,136,245	3,791	39,419,576	2,743	29,133,639	2,534	26,605,655	3,848	40,899,990	3,229	34,014,765	10,534	66.3%	17,916	136,059,060
0 - 20,000	532	12,819,358	443	10,575,364	845	21,396,520	924	23,183,773	549	13,216,976	690	17,118,658	24,801	14.2%	2,761	68,474,633
20,001 - 32,000	89	3,250,489	57	2,118,989	391	14,598,150	456	17,066,328	99	3,623,030	251	9,351,624	37,295	5.1%	1,003	37,406,497
32,001 - 44,000	59	4,275,068	40	2,758,891	447	43,988,222	601	44,769,262	48	3,213,845	284	23,682,555	83,389	5.8%	1,136	94,730,220
over 44,001																
Totals	4,264	58,483,160	4,331	54,872,820	4,426	109,118,531	4,515	111,625,218	4,544	61,053,841	4,454	84,167,603	18,897	91.5%	17,816	336,670,410
Commercial																
Gallons Used	102	321,367	106	402,469	57	305,030	55	295,779	94	333,837	78	334,279	4,286	1.6%	312	1,337,115
0 - 20,000	5	128,431	7	185,608	8	209,664	8	211,775	6	153,699	7	190,187	26,233	0.1%	29	760,746
20,001 - 32,000	4	162,831	7	272,640	11	434,059	5	189,094	4	151,699	7	261,873	35,796	0.1%	27	1,047,492
32,001 - 44,000	39	210,750,373	44	11,428,951	91	132,118,869	100	62,567,276	44	11,195,994	70	54,327,773	775,893	1.4%	279	217,311,090
over 44,001																
Totals	150	211,363,002	164	12,289,668	167	133,067,622	168	63,263,924	148	11,835,229	162	55,114,111	340,736	3.3%	647	220,456,443
Grand Total	4,414	269,846,162	4,495	67,162,488	4,593	242,186,153	4,683	174,889,142	4,692	72,889,070	4,616	139,281,713	30,175	94.8%	18,463	557,176,853

WATER FUND (With Irrigation Ban)

Total

%	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	Actual	Actual	Budget	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Increase												
Total Expenses												
105.00% Personnel Services	\$326,665	\$344,518	\$363,318	\$381,484	\$400,558	\$420,586	\$441,615	\$463,696	\$486,881	\$511,225	\$536,786	\$563,625
103.00% Supplies	\$128,864	\$182,724	\$222,950	\$229,639	\$236,528	\$243,623	\$250,932	\$258,460	\$266,214	\$274,200	\$282,426	\$290,899
103.00% Other Services & Charges	\$537,520	\$697,231	\$621,780	\$650,433	\$669,946	\$690,045	\$710,746	\$732,069	\$754,031	\$776,651	\$799,951	\$823,950
0.00% Improvements	\$0	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
100.00% Depreciation	\$317,323	\$306,255	\$333,750	\$337,500	\$341,250	\$345,000	\$348,750	\$352,500	\$356,250	\$360,000	\$363,750	\$367,500
0.00% Debt Services	\$336,208	\$326,030	\$282,750	\$286,625	\$37,969	\$38,836	\$39,605	\$0	\$0	\$0	\$0	\$0
0.00% Transfers	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Expenses	\$1,646,580	\$1,856,758	\$1,824,548	\$2,385,681	\$1,686,251	\$1,738,090	\$1,791,649	\$1,806,725	\$1,863,375	\$1,922,077	\$1,982,914	\$2,045,974
Total Revenues	\$1,436,815	\$1,494,726	\$1,588,847	\$1,656,203	\$1,707,233	\$1,756,828	\$1,802,631	\$1,847,653	\$1,899,955	\$1,949,994	\$2,006,022	\$2,064,489
Gain/(Loss)	(209,764.95)	(362,031.79)	(235,701.18)	(729,477.48)	20,981.95	18,738.20	10,982.05	40,928.44	36,579.24	27,917.16	23,108.19	18,514.29
Cash Balance	2,276,379.44	937,787.04	952,142.62	(576,728.89)	(260,727.81)	84,239.90	365,868.36	744,105.79	983,898.50	1,254,773.87	1,621,234.21	1,932,755.67
Beginning Cash Balance	2,725,129.75	2,276,379.44	937,787.04	952,142.62	(576,728.89)	(260,727.81)	84,239.90	365,868.36	744,105.79	983,898.50	1,254,773.87	1,621,234.21
Gain/(Loss) From Volume	(248,561.80)	(308,572.50)	(220,644.42)	(729,871.51)	13,251.08	6,467.71	(621.54)	32,237.43	25,042.71	17,375.37	9,210.34	521.46
Plus Depreciation	38,796.85	(53,459.29)	(15,056.76)	394.03	7,730.87	12,270.49	11,603.60	8,691.01	11,536.52	10,541.80	13,897.85	17,992.83
Less Improvements	423,097.00	408,340.00	445,000.00	450,000.00	455,000.00	460,000.00	465,000.00	470,000.00	475,000.00	480,000.00	485,000.00	490,000.00
Ending Cash Balance	662,082.36	1,438,359.50	210,000.00	1,136,500.00	38,500.00	6,500.00	66,500.00	6,500.00	141,500.00	106,500.00	6,500.00	56,500.00
Ending Cash Balance	2,276,379.44	937,787.04	952,142.62	(576,728.89)	(260,727.81)	84,239.90	365,868.36	744,105.79	983,898.50	1,254,773.87	1,621,234.21	1,932,755.67

WATER FUND (With Irrigation Ban)
Fixed (Flat) Rates

%	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Increase	Actual	Actual	Budget	Projected								
105.00%	\$244,999	\$258,389	\$272,489	\$286,113	\$300,419	\$315,439	\$331,211	\$347,772	\$365,161	\$383,419	\$402,590	\$422,719
103.00%	12,177	11,586	13,750	14,163	14,587	15,025	15,476	15,940	16,418	16,911	17,418	17,941
103.00%	168,862	166,874	179,780	185,173	190,729	196,450	202,344	208,414	214,667	221,107	227,740	234,572
0.00%	0	0	0	0	0	0	0	0	0	0	0	0
100.00%	0	0	0	0	0	0	0	0	0	0	0	0
0.00%	0	0	0	0	0	0	0	0	0	0	0	0
0.00%	0	0	0	0	0	0	0	0	0	0	0	0
Total Fixed Expenses	\$426,038	\$436,849	\$466,019	\$485,449	\$505,735	\$526,915	\$549,031	\$572,126	\$596,246	\$621,436	\$647,748	\$675,232
Total Revenues	\$464,835	\$383,389	\$450,962	\$485,843	\$513,465	\$539,185	\$560,635	\$580,817	\$607,782	\$631,978	\$661,645	\$693,225
Gain/(Loss)	\$38,797	(\$53,459)	(\$15,057)	\$394	\$7,731	\$12,270	\$11,604	\$8,691	\$11,537	\$10,542	\$13,898	\$17,993
Quarterly Expenses	\$106,509.49	\$109,212.13	\$116,504.63	\$121,362.21	\$126,433.64	\$131,728.74	\$137,257.80	\$143,031.59	\$149,061.40	\$155,359.04	\$161,936.91	\$168,807.96
Penalties	\$9,723.45	\$8,323.70	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
2.00% Interest Earnings	\$21,587	(\$4,310)	\$4,689	\$4,761	(\$2,884)	(\$1,304)	\$421	\$1,829	\$3,721	\$4,919	\$6,274	\$8,106
Quarterly Expenses for Rates	\$84,922	\$105,198	\$101,816	\$106,601	\$119,317	\$123,032	\$126,837	\$131,202	\$135,341	\$140,440	\$145,663	\$150,702
Flat (Base) Rate	\$17.75	\$19.20	\$20.50	\$22.00	\$25.00	\$26.00	\$26.75	\$27.50	\$28.50	\$29.50	\$30.75	\$32.00
% of Revenue Residential	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
# of Residential Customers	4,642	4,642	4,642	4,695	4,695	4,695	4,695	4,695	4,695	4,695	4,695	4,695
% of Revenue Commercial	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
# of Commercial Customers	141	141	141	155	155	155	155	155	155	155	155	155
Revenue per Quarter	\$84,898.25	\$91,833.60	\$98,051.50	\$106,700.00	\$121,250.00	\$126,100.00	\$129,737.50	\$133,375.00	\$138,225.00	\$143,075.00	\$149,137.50	\$155,200.00

WATER FUND: (With Irrigation Ban)
Volume (Usage) Rate

%	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Increase, Volume Based	581,666	586,130	590,830	595,371	\$100,140	\$105,146	\$110,404	\$115,924	\$121,720	\$127,806	\$134,197	\$140,906
105.00% Personnel Services	116,687	171,138	209,200	215,476	221,940	228,598	242,520	246,796	257,290	265,008	272,959	272,959
103.00% Supplies *	368,658	530,357	442,000	465,260	479,218	493,594	508,402	523,654	539,364	555,545	572,211	589,377
0.00% Other Services & Charges **	0	0	0	500,000	0	0	0	0	0	0	0	0
0.00% Improvements	317,323	306,255	333,750	337,500	341,250	345,000	348,750	352,500	356,250	360,000	363,750	367,500
100.00% Depreciation	336,208	326,030	282,750	286,625	37,969	38,836	39,605	0	0	0	0	0
0.00% Debt Services	0	0	0	0	0	0	0	0	0	0	0	0
0.00% Transfers	0	0	0	0	0	0	0	0	0	0	0	0
Total Fixed Expenses	\$1,220,542	\$1,419,910	\$1,358,530	\$1,900,232	\$1,180,517	\$1,211,175	\$1,242,617	\$1,234,588	\$1,267,130	\$1,300,641	\$1,335,166	\$1,370,742
Total Revenues	\$971,980	\$1,111,337	\$1,137,865	\$1,170,360	\$1,193,768	\$1,217,643	\$1,241,996	\$1,266,836	\$1,292,173	\$1,318,016	\$1,344,376	\$1,371,264
Gain/(Loss)	(\$248,562)	(\$308,573)	(\$220,644)	(\$729,872)	\$13,251	\$6,468	(\$622)	\$32,237	\$25,043	\$17,375	\$9,210	\$521
Quarterly Expenses	\$305,135.50	\$354,977.38	\$339,632.38	\$475,057.99	\$295,129.15	\$302,793.83	\$310,654.36	\$308,649.60	\$316,782.45	\$325,160.15	\$333,791.49	\$342,685.59

Volume (Usage) Rate	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Current Residential Rate	1.95	2.01	2.25	2.50	2.55	2.60	2.65	2.71	2.76	2.82	2.87	2.93
1 - 20,000 gallons	2.15	2.21	2.45	2.75	2.81	2.86	2.92	2.98	3.04	3.10	3.16	3.22
20,001 - 32,000 gallons	2.57	2.76	3.10	3.58	3.65	3.72	3.79	3.87	3.95	4.03	4.11	4.19
32,001 - 44,000 gallons	3.86	4.14	4.60	6.08	6.20	6.32	6.45	6.58	6.71	6.84	6.98	7.12
44,001 + gallons												
% of Revenue Commercial	1.95	2.01	2.25	2.60	2.65	2.71	2.76	2.81	2.87	2.93	2.99	3.05
Current Commercial Rate	2.15	2.21	2.45	2.86	2.92	2.98	3.04	3.10	3.16	3.22	3.29	3.35
1 - 20,000 gallons	2.57	2.76	3.10	3.72	3.79	3.87	3.95	4.02	4.10	4.19	4.27	4.36
20,001 - 32,000 gallons	3.86	4.14	4.60	6.32	6.45	6.58	6.71	6.84	6.98	7.12	7.26	7.41
32,001 - 44,000 gallons												
44,001 + gallons												
Revenue per Quarter	\$242,995.05	\$255,034.22	\$284,471.27	\$297,590.12	\$298,441.92	\$304,410.76	\$310,498.97	\$316,708.95	\$323,043.13	\$329,503.99	\$336,094.07	\$342,815.96

* Supplies include chemicals, other operating supplies, equipment repair parts, and street materials
 ** Other Services & Charges include engineering, legal, misc professional services, popper state locates, electricity, gas, and repair maintenance.
 2019 improvements are for water meter replacement
 ** 2019 includes \$10,000 for irrigation enforcement.

Residential Bills with Irrigation Ban	2015	2016	2017	2018	Proposed	
Residential Water Use	61,053,841	58,156,961	58,573,470	81,283,663	54,764,918	
# Customers	4,544	4,587	4,620	4,642	4,692	
Average Residential Water Use	13,436	12,679	12,678	17,510	11,672	
Quarterly Bill Based on Proposed Rates						
If used average water use:						% Change
Water Base Charge	\$16.50	\$17.75	\$19.20	\$20.50	\$22.00	
Water Usage Charge	\$22.19	\$24.72	\$25.48	\$39.40	\$29.18	
Sewer Base Charge	\$46.39	\$46.00	\$48.38	\$50.80	\$51.00	
Sewer Usage Charge	\$7.83	\$8.29	\$15.36	\$23.03	\$32.31	
Storm Water Charge	\$12.48	\$17.00	\$20.00	\$20.00	\$21.00	
Total Bill	\$105.39	\$113.76	\$128.42	\$153.73	\$155.49	1.14%
4,175 Accounts with 0 - 20,000 gallons used						
Average consumption 9,603 gallons						
Water Base Charge	\$16.50	\$17.75	\$19.20	\$20.50	\$22.00	
Water Usage Charge (Average Consumption)	\$18.01	\$20.07	\$20.69	\$23.16	\$24.01	
Sewer Base Charge	\$46.39	\$46.00	\$48.38	\$50.80	\$51.00	
Sewer Usage Charge (Average winter consumption)	\$5.20	\$5.51	\$10.20	\$15.30	\$18.41	
Storm Water Charge	\$12.48	\$17.00	\$20.00	\$20.00	\$21.00	
Total Bill	\$98.58	\$106.33	\$118.46	\$129.75	\$136.42	5.14%
418 Accounts with 20,001 - 32,000 gallons used						
Average consumption 23,884 gallons						
Water Base Charge	\$16.50	\$17.75	\$19.20	\$20.50	\$22.00	
Water Usage Charge (Average Consumption)	\$43.15	\$48.87	\$50.35	\$56.25	\$60.68	
Sewer Base Charge	\$46.39	\$46.00	\$48.38	\$50.80	\$51.00	
Sewer Usage Charge (Average winter consumption)	\$19.43	\$20.57	\$38.10	\$57.15	\$75.54	
Storm Water Charge	\$12.48	\$17.00	\$20.00	\$20.00	\$21.00	
Total Bill	\$137.95	\$150.19	\$176.03	\$204.70	\$230.22	12.47%
69 Accounts with over 32,001 - 44,000 gallons used						
Average consumption 36,588 gallons						
Water Base Charge	\$16.50	\$17.75	\$19.20	\$20.50	\$22.00	
Water Usage Charge (Average Consumption)	\$67.65	\$78.04	\$80.94	\$90.37	\$99.43	
Sewer Base Charge	\$46.39	\$46.00	\$48.38	\$50.80	\$51.00	
Sewer Usage Charge (Average winter consumption)	\$32.40	\$34.31	\$63.54	\$95.30	\$126.35	
Storm Water Charge	\$12.48	\$17.00	\$20.00	\$20.00	\$21.00	
Total Bill	\$175.42	\$193.10	\$232.06	\$276.98	\$319.78	15.45%
33 Accounts with over 44,001 gallons used						
Average consumption 65,564 gallons						
Water Base Charge	\$16.50	\$17.75	\$19.20	\$20.50	\$22.00	
Water Usage Charge (Average Consumption)	\$185.95	\$230.38	\$244.35	\$272.17	\$257.07	
Sewer Base Charge	\$46.39	\$46.00	\$48.38	\$50.80	\$51.00	
Sewer Usage Charge (Average winter consumption)	\$71.81	\$76.04	\$140.81	\$211.22	\$242.26	
Storm Water Charge	\$12.48	\$17.00	\$20.00	\$20.00	\$21.00	
Total Bill	\$333.13	\$387.17	\$472.74	\$574.69	\$593.33	3.24%

		17/2016 - 2/2017		3/2017 - 5/2017		6/2017 - 8/2017		9/2017 - 11/2017		12/2017 - 2/2018		Average		Total			
		# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	% of Customers	Per Customer	# of Customers	Total Consumption
Residential																	
Gallons Used																	
0 - 20,000		3,980	40,954,014	4,175	40,093,152	4,175	40,093,152	4,175	40,093,152	4,175	40,093,152	4,175	40,093,152	85.7%	9,603	16,700	160,372,608
20,001 - 32,000		544	13,174,474	418	9,983,595	418	9,983,595	418	9,983,595	418	9,983,595	418	9,983,595	8.6%	23,884	1,672	39,934,350
32,001 - 44,000		82	2,949,682	69	2,524,549	69	2,524,549	69	2,524,549	69	2,524,549	69	2,524,549	1.4%	36,588	276	10,098,196
over 44,001		56	3,887,694	33	2,163,622	33	2,163,622	33	2,163,622	33	2,163,622	33	2,163,622	0.7%	65,564	132	8,654,488
Totals		4,662	60,965,864	4,695	54,764,918	4,695	54,764,918	4,695	54,764,918	4,695	54,764,918	4,695	54,764,918	96.4%	11,665	18,780	219,059,672
Commercial																	
Gallons Used																	
0 - 20,000		124	377,352	110	474,804	65	385,384	77	471,545	94	317,620	87	412,338	1.8%	4,767	346	1,649,353
20,001 - 32,000		11	285,026	13	328,728	11	288,957	13	318,357	17	419,153	14	338,799	0.3%	25,096	54	1,355,195
32,001 - 44,000		6	215,206	14	523,069	7	262,368	10	393,724	3	108,139	9	321,840	0.2%	37,864	34	1,287,360
over 44,001		40	11,432,430	46	12,345,780	102	50,500,913	87	26,299,279	41	11,426,122	69	25,143,024	1.4%	364,392	276	100,572,094
Totals		181	12,310,014	183	13,672,381	185	51,437,622	187	27,482,905	155	12,271,094	178	26,216,001	3.6%	147,696	710	104,864,002
		3.74%	16.80%	3.75%	19.98%	3.79%	48.43%	3.83%	33.41%	3.20%	18.31%	3.64%	32.37%				
Grand Total		4,843	73,275,878	4,878	68,437,299	4,880	106,202,540	4,882	82,247,823	4,850	67,036,012	4,873	80,980,919	100.0%	16,620	19,490	323,923,674
Residential																	
Gallons Used																	
0 - 20,000		3,986	40,254,944	3,962	39,803,442	2,711	29,109,298	3,915	38,959,101	3,980	40,954,014	3,642	37,206,464	74.7%	10,216	14,568	148,825,855
20,001 - 32,000		512	12,313,483	512	12,528,184	822	20,627,300	484	11,927,105	544	13,174,474	591	14,564,266	12.1%	24,664	2,362	58,257,063
32,001 - 44,000		81	2,978,175	100	3,639,179	394	14,704,340	131	4,892,490	82	2,949,682	177	6,546,423	3.6%	37,038	707	26,185,691
over 44,001		40	3,016,213	55	13,719,333	708	56,891,025	113	17,367,991	56	3,887,694	233	22,966,511	4.8%	98,569	932	91,866,043
Totals		4,619	58,562,815	4,629	69,690,138	4,635	121,331,963	4,643	73,146,687	4,662	60,965,864	4,642	81,283,663	95.3%	17,510	18,569	325,134,652
Commercial																	
Gallons Used																	
0 - 20,000		103	377,754	65	331,103	57	332,195	64	339,735	124	377,352	78	345,096	1.6%	4,453	310	1,380,385
20,001 - 32,000		10	254,764	17	413,550	10	298,875	12	293,477	11	285,026	13	312,732	0.3%	25,019	50	1,250,928
32,001 - 44,000		5	185,121	7	257,231	3	118,847	6	222,871	6	215,206	6	203,539	0.1%	37,007	22	814,155
over 44,001		39	11,429,826	39	13,240,383	58	20,775,225	46	14,728,561	40	11,432,430	46	15,044,150	0.9%	328,834	183	60,176,599
Totals		157	12,247,465	128	14,242,267	128	21,485,142	128	15,584,644	181	12,310,014	141	15,905,517	2.9%	112,605	565	63,622,067
Grand Total		4,776	70,810,280	4,757	83,932,405	4,763	142,817,105	4,771	88,731,331	4,843	73,275,878	4,784	97,189,180	98.2%	20,318	19,134	388,756,719

	12/2014 - 2/2015		3/2015 - 5/2015		6/2015 - 8/2015		9/2015 - 11/2015		12/2015 - 2/2016		Average		Total	
	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	Per Customer	% of Customers
Residential														
Gallons Used														
0 - 20,000	4,001	41,168,366	3,812	39,058,770	3,129	33,092,272	3,452	35,581,107	3,987	40,265,596	3,595	36,999,436	10,292	73.8%
20,001 - 32,000	477	11,439,501	616	14,917,961	772	19,256,586	684	17,058,769	512	12,313,483	646	15,886,700	24,592	13.3%
32,001 - 44,000	71	2,622,586	114	4,179,550	304	11,321,556	250	9,348,183	81	2,978,175	187	6,956,866	37,153	3.8%
over 44,001	38	2,926,508	52	3,359,471	392	32,489,815	246	18,736,936	40	3,016,216	183	14,400,610	78,907	3.7%
Totals	4,587	58,156,961	4,594	61,515,752	4,597	96,160,229	4,632	80,734,995	4,620	58,573,470	4,611	74,243,612	16,102	94.6%
Commercial														
Gallons Used														
0 - 20,000	113	311,012	96	347,226	67	374,055	75	379,032	102	367,102	85	366,854	4,316	1.7%
20,001 - 32,000	8	203,504	10	248,123	10	250,270	11	260,796	10	254,764	10	253,488	24,731	0.2%
32,001 - 44,000	7	266,203	9	346,374	3	110,632	4	153,669	5	185,121	5	198,924	37,890	0.1%
over 44,001	44	11,194,952	58	12,793,324	93	31,031,620	88	24,162,050	39	11,429,826	70	19,854,205	285,672	1.4%
Totals	172	11,975,671	173	13,735,047	173	31,766,477	178	24,955,547	156	12,236,813	170	20,673,471	121,609	3.5%
Grand Total	4,759	70,132,632	4,767	75,250,799	4,770	127,926,706	4,810	105,690,542	4,776	70,810,283	4,781	94,917,083	19,854	98.1%
Residential														
Gallons Used														
0 - 20,000	3,848	40,859,990	3,992	40,204,463	2,752	29,912,751	3,632	37,557,071	4,001	41,168,366	3,592	37,210,663	10,360	73.7%
20,001 - 32,000	549	13,316,976	456	11,020,055	871	21,873,803	595	14,688,259	477	11,439,501	600	14,755,405	24,603	12.5%
32,001 - 44,000	99	3,633,030	82	2,930,723	437	16,300,332	194	7,204,318	71	2,622,586	196	7,264,490	37,064	4.0%
over 44,001	48	3,213,845	32	3,365,196	507	131,277,331	171	13,777,238	38	2,926,508	187	37,836,568	202,335	3.8%
Totals	4,544	61,053,841	4,562	57,520,437	4,567	199,364,217	4,582	73,226,886	4,587	58,156,961	4,575	97,067,125	21,219	93.9%
Commercial														
Gallons Used														
0 - 20,000	94	333,837	103	429,477	60	309,218	62	303,754	113	311,012	85	338,365	4,004	1.7%
20,001 - 32,000	6	153,699	7	180,728	8	191,517	12	307,981	8	203,504	9	220,933	25,249	0.2%
32,001 - 44,000	4	151,699	7	273,921	5	180,145	8	305,489	7	266,203	7	257,440	38,139	0.1%
over 44,001	44	11,195,994	39	9,942,489	97	37,207,222	90	24,162,050	44	11,194,952	68	20,619,178	305,469	1.4%
Totals	148	11,835,229	156	10,796,615	170	37,888,102	172	35,083,274	172	11,975,671	168	21,435,916	127,976	3.4%
Grand Total	4,692	72,859,070	4,718	68,317,052	4,737	237,252,319	4,754	98,310,160	4,759	70,132,632	4,742	118,503,041	24,990	97.3%

	17/2012 - 2/2013		3/2013 - 5/2013		6/2013 - 8/2013		9/2013 - 11/2013		17/2013 - 2/2014		Average		Total			
	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	# of Customers	Total Consumption	% of Customers	Per Customer	# of Customers	Total Consumption
Residential																
Gallons Used	3,584	38,138,245	3,791	39,419,576	2,743	29,133,659	2,534	26,605,855	3,848	40,899,990	3,229	34,014,765	10.534	10,534	12,916	136,059,060
0 - 20,000	532	12,819,358	443	10,575,364	845	21,398,520	924	23,183,773	509	13,316,976	690	17,118,658	24.801	24,801	2,761	68,674,633
20,001 - 32,000	89	3,250,489	57	2,118,989	391	14,598,150	456	17,066,378	99	3,623,030	251	9,351,624	37.295	37,295	1,003	37,406,497
32,001 - 44,000	59	4,775,068	40	2,758,891	447	43,988,222	601	44,769,262	48	3,213,845	284	23,682,555	83.389	83,389	1,136	94,730,220
over 44,001																
Totals	4,264	58,483,160	4,331	54,872,820	4,426	109,118,531	4,515	111,625,218	4,544	61,053,841	4,454	84,167,603	18.897	18,897	17,816	336,670,410
Commercial																
Gallons Used	102	321,367	106	402,469	57	305,030	55	295,779	94	333,837	78	334,279	4.286	4,286	312	1,337,115
0 - 20,000	5	128,431	7	185,608	8	209,664	8	211,775	6	153,699	7	190,187	26.233	26,233	29	760,746
20,001 - 32,000	4	162,831	7	272,640	11	434,059	5	189,094	4	151,699	7	261,873	38.796	38,796	27	1,047,492
32,001 - 44,000	39	210,750,373	44	11,428,951	91	132,118,869	100	62,567,276	44	11,495,994	70	54,327,773	778.893	778,893	279	217,311,090
over 44,001																
Totals	150	211,363,002	164	12,289,668	167	133,067,622	168	63,263,924	148	11,835,229	162	55,114,111	360.736	360,736	647	220,456,443
Grand Total	4,414	269,846,162	4,495	67,162,488	4,593	242,186,153	4,683	174,889,142	4,692	72,889,070	4,616	139,281,713	30.175	30,175	18,463	557,126,853



**Utility Commission Meeting
August 9, 2018**

Agenda Number: 10

Subject: Stormwater Utility Ordinance Amendment

Documentation: Shelly Comstock Email /
Ordinance No. 64 /
Map /
Chart

Action / Motion for Consideration:

Receive Information / Discuss

Minutes
Utility Commission meeting
July 12, 2018

STORMWATER UTILITY ORDINANCE AMENDMENT: This item was tabled to the next Utility Commission meeting.

Bill Short

From: Tom Riedesel
Sent: Monday, June 18, 2018 2:49 PM
To: Bill Short
Subject: FW: Stormwater drainage fee

Bill,
I suggested she write a letter to the Town for consideration. Do you think the Utilities Commission would be interested in discussing? Should credit be given to gravel vs. paved parking areas?
Tom

From: comstockproperties@comcast.net [mailto:comstockproperties@comcast.net]
Sent: Monday, June 18, 2018 1:57 PM
To: Tom Riedesel <Tom.Riedesel@whitebeartownship.org>
Subject: Stormwater drainage fee

Hi Tom,

I spoke with you earlier today about the stormwater drainage fees in regards to 1177 Birch Lake Blvd N.

I would like to submit a proposal for the board to consider.

We are currently being charged 27 units. (\$540) As you know, there is no pavement on this property and I was inquiring if an allowance for the dirt/rock driveway would be considered.

We have 30,065sf of actual building, a dirt and rock driveway and no pavement, curb and gutter. Also, there is a large pond on part of the property. I would also like to note that landscapers use rock all the time to allow

specifically for water drainage. In comparison, rock to pavement there would be a considerable difference.

Thank you for you time and consideration!

Sincerely,

Shelly Comstock
Comstock Properties, llc
651-202-1857

Comstock Properties, LLC

ORDINANCE NO. 64

AN ORDINANCE ESTABLISHING A STORMWATER DRAINAGE UTILITY IN THE TOWN OF WHITE BEAR, RAMSEY COUNTY, MINNESOTA

THE TOWN BOARD OF THE TOWN OF WHITE BEAR DOES ORDAIN:

SECTION 1. STORMWATER DRAINAGE UTILITY ESTABLISHED. All properties within the Town of White Bear participate in the Township stormwater runoff and as such contribute to the need for stormwater drainage system operation, maintenance, repair and improvements. The purpose of this Ordinance is to establish the operation of the stormwater drainage system as a public utility pursuant to Minnesota Statutes, Section 444.075 from which revenues will be derived subject to the provisions of this Ordinance and Minnesota Statutes.

1-1. The Town Board shall have charge of management of the stormwater drainage utility subject to delegation of authority to the Town Engineer, Public Works Director and to other Town employees as the Town Board shall provide.

SECTION 2. DEFINITIONS.

2-1. **Residential Equivalent Factor (REF).** One (1) REF is defined as the ratio of the average volume of runoff generated by one (1) acre of a given land use to the average volume of runoff generated by one (1) acre of typical single family residential land, during a standard one (1) year rainfall event.

SECTION 3. STORMWATER DRAINAGE FEES. Stormwater drainage fees shall be a flat rate for all dwellings in the Township. Fees for non-residential development shall be determined by dividing the total square footage of impervious area (buildings, pavements, and any other impervious surfaces) by 4,000 square feet (approximate amount of impervious surface for a typical residential dwelling) which will be used as Residential Equivalent Factor (REF). That factor is then multiplied by the flat rate charged for a dwelling unit. Fees for non-residential developments which do not have buildings or significant paved areas, (i.e. cemeteries, railroad lines, etc.) shall be determined by dividing the total developed area by 12,000 square feet (typical square foot lot) then multiplied by 0.25 (a lesser runoff factor). Vacant, unused land is not to be billed. The formula used to calculate stormwater drainage fees are summarized as follows:

3-1. LAND USE CLASSIFICATION	R.E.F.
1. Residential Dwellings	1

- | | |
|---|--|
| <p>2. Non-Residential Development Including:
 Commercial
 Industrial
 Schools
 Churches
 Parks
 Airports
 Governmental, etc.</p> | <p>Number of R.E.F.'s to be determined by dividing total <u>impervious surface</u> area by 4,000 sq. ft.</p> |
| <p>3. Cemeteries, public utilities, railroads, driving range, and other developed areas without buildings or paved area</p> | <p>Number of R.E.F.'s to be determined by dividing total buildable area by 12,000 sq. ft. then multiplying by 0.25</p> |
| <p>4. Vacant, unused land</p> | <p>No charge</p> |

For any uses not listed above, Residential Equivalent Factors shall be calculated individually and presented to the Town Board for approval.

3-2. All amounts due as described herein shall be set forth in Ordinance No. 54 (Fees & Charges), and shall be payable at the office of the Town Clerk or other designated person by the date established on the quarterly bill.

3-3. A penalty of ten percent (10%) shall be added to all bills not paid by the date established in Section 3-2.

SECTION 4. EXEMPTIONS. The following land uses are exempt from stormwater drainage fees.

- 4-1. Public rights-of-way.
- 4-2. Vacant, unimproved land with ground cover, not classified above.
- 4-3. Lakes, ponds, ponding areas, and wetlands.

SECTION 5. COLLECTION OF DELINQUENT CHARGES. Each charge levied pursuant to this Ordinance is hereby made a lien upon the corresponding lot, land, parcel or premises served by the drainage system of the Town. All such charges which are on September 1st of each year more than 30 days past due and having been properly billed to the occupant of the premises served, shall be deemed a delinquent account against the respective property served. In preparing the assessment roll, the Town shall collect an administrative charge for each account as provided in Ordinance No. 54 (Fees and Charges). This

Assessment Roll shall be delivered to the Town Board for adoption on or before September 15th of each year and upon approval thereof, the amount due shall be certified by the Town Clerk to the Auditor of Ramsey County before the 15th day of October each year, and the Town in so certifying such charges to the County Auditor shall specify the name of the owner of the premises, the description of the premises served and the amount thereof. The amount so certified shall be extended by the Auditor on the tax rolls against such premises in the same manner as other taxes. Such action may be optional or subsequent to using legal action to collect delinquent accounts.

SECTION 6. SEVERABILITY. Should any section, subdivision, clause or other provision of this Ordinance be held to be invalid by any court of competent jurisdiction, such decision shall not affect the validity of the Ordinance as a whole, or of any part thereof, other than the part held to be invalid.

SECTION 7. EFFECTIVE DATE. This Ordinance shall take effect and be in force from and after its passage and publication.

Passed by the Town Board of Supervisors of the Town of White Bear, Ramsey County, Minnesota, this 1st day of June, 1992.

APPROVED:

ROBERT J. WEISENBURGER, Chairman

ATTEST:

WILLIAM F. SHORT, Clerk-Treasurer

Board of Supervisors:
ROBERT J. WEISENBURGER, Chairman
RICHARD A. SAND, Supervisor
DOUGLAS H. PFEFFER, SR., Supervisor

Published in the White Bear Press on June 17, 1992.

Historical Notes

2013

Section 3-2 and 303 passed August 5, 2013, and effective August 14, 2013 by Mample (Chair), Kermes, Prudhon; Short (Clerk-Treasurer).

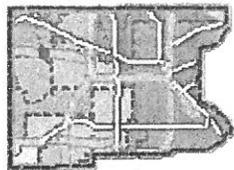
1993

Section 3 passed August 2, 1993, and effective August 11, 1993 by Weisenburger (Chair); Sand and Ford; Short (Clerk-Treasurer).

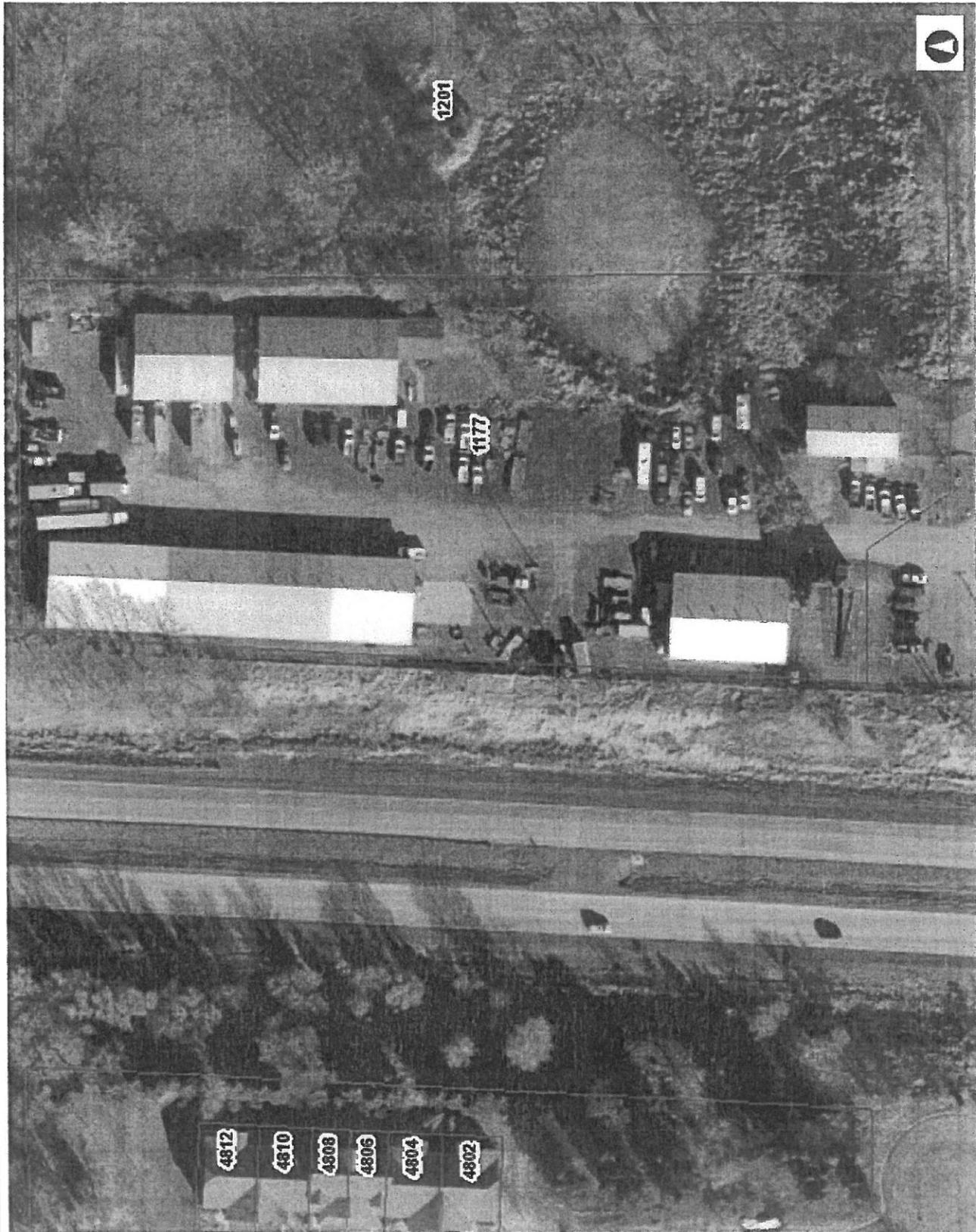
1992

Section 5 passed July 20, 1992, and effective August 5, 1992 by Weisenburger (Chair); Sand and Pfeffer; Short (Clerk-Treasurer);

Legend



- City Halls
- Schools
- Hospitals
- Fire Stations
- Police Stations
- Recreational Centers
- Parcel Points
- Parcel Boundaries



200.0 Feet

100.00

0

200.0

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.
THIS MAP IS NOT TO BE USED FOR NAVIGATION

Notes

Enter Map Description

Table 1: Runoff coef

Railroad Yard Areas	.20
Streets	
A. Paved	.85
B. Gravel	.25
Drives, Walks, & Roofs	.85
Lawns	
A. 50%-75% Grass (Fair Condition)	.10
B. 75% Or More Grass (Good Condition)	.05
Undeveloped Surface ¹ (By Slope) ²	
A. Flat (0-1%)	0.04-0.09
B. Average (2-6%)	0.09-0.14
C. Steep	0.13-0.18



Utility Commission Meeting August 9, 2018

Agenda Number: 11

Subject: Water Conservation:
a. Current Sprinkling Regulations
b. Enforcement
c. Changes

Documentation: Various Water Conservation Information

Action / Motion for Consideration:

Receive Information / Discuss

Minutes
Utility Commission Meeting
July 12, 2018

WATER CONSERVATION: 1) CURRENT SPRINKLING REGULATIONS; 2) ENFORCEMENT; 3) CHANGES: This agenda items was tabled to the next Utility Commission meeting.

Current Regulations
Ordinance No. 12

SECTION 24. SPRINKLING.

24-1. RESTRICTED HOURS. The use of the Town Water Supply System for lawn sprinkling and irrigation, shall be limited to the following hours and days for the entire year:

24-1.1. Even numbered houses may use their Water System for the above stated uses only on even numbered days from 6:00 a.m. to 10:00 a.m. and 6:00 p.m. to 10:00 p.m.

24-1.2. Odd numbered houses may use their Water System for the above stated uses only on odd numbered days from 6:00 a.m. to 10:00 a.m. and 6:00 p.m. to 10:00 p.m.

24-1.3. The Town Board may, by resolution, revise the hours of sprinkling.

24-1.4. The Town Clerk may temporarily revise the hours for sprinkling when water system storage levels fall below the standards provided in the Town Community Water Supply Plan for an unreasonable period of time. The temporary revision of hours for sprinkling shall remain

in effect until the next meeting of the Town Board. At its next meeting, the Town Board, by resolution, may adopt the revised hours or otherwise change the hours for sprinkling. If no action is taken by the Town Board, the hours for sprinkling shall return to the times provided in Sections 24-1.1 and 24-1.2, or Section 24-1.3.

24-2. SPRINKLING VIOLATIONS.

24-2.1. Any person found to have violated the restricted sprinkling hours set out in Section 24-1 shall receive one written warning.

24-2.2. Any person found to have violated the restricted sprinkling hours set out in Section 24-1 two times within the same calendar year, shall receive a written sprinkling violation and will be charged a \$40.00 Administrative Fee for the second and any following violations. The \$40.00 fee will be added to their quarterly utility bill. This fee shall be in addition to any other penalties imposed by this Ordinance.

24-3. APPEAL PROCEDURE.

24-3.1. If any resident wishes to appeal their \$40.00 Administrative Fee for violation of the sprinkling restrictions, the resident may provide the Town Clerk with a written request stating the circumstances surrounding the violation(s), and request that the Town Board reconsider the Administrative Fee. The matter will then be placed on a future meeting agenda of the Town Board for consideration.

24-3.2. At the meeting the objecting person may:

24-3.2.(a). Appear and give their written or oral testimony; and/or

24-3.2.(b). Give written or oral testimony of witnesses.

24-3.3. Town Board may give its decision orally at the meeting or at a later date. The Town Board shall:

24-3.3.(a). Find for the objecting person and waive the \$40.00 Administrative Fee; or

24-3.3.(b). Find against the objecting person and impose the \$40.00 Administrative Fee; or

24-3.3.(c). Find against the objecting person and suspend collection of the \$40.00 Administrative Fee on the condition that no further sprinkling violations occur within a calendar year. However, in the event another sprinkling violation is received, the suspended fee, plus the additional fee, shall both be added to the person's quarterly utility bill.

Bill Short

From: Miller, Dan W (DNR) <dan.w.miller@state.mn.us>
Sent: Wednesday, July 18, 2018 10:13 AM
To: Miller, Dan W (DNR)
Subject: White Bear Lake water levels

Dear DNR Water Appropriation Permittee,

This message is informational only. The DNR amended your water appropriation permit on March 1st to include a condition that you must implement a ban on residential irrigation when the water level of White Bear Lake falls below 923.5 feet and until notified by DNR that the water level is at or above 924 feet.

Due to recent legislation, as well as your request for a contested case hearing on your amended permit, the DNR is taking no enforcement actions pertaining to permit amendments issued in accordance with Ramsey County District Court Order File No. 62-CV-13-2414.

However, we want you to know that White Bear Lake water levels have been at or above 924 feet since Thursday, July 12th. In accordance with the Court Order, the residential irrigation ban is no longer in effect. We will notify you again if water levels drop below 923.5 feet. Current water levels of White Bear Lake can be viewed [here](#).

Please let me know if you have any questions.

Sincerely,

Dan

Dan Miller
Water Use Consultant | Ecological & Water Resources

Minnesota Department of Natural Resources
500 Lafayette Road North
St. Paul, MN 55155
Phone: 651-259-5731
Email: dan.w.miller@state.mn.us
mndnr.gov

 **DEPARTMENT OF
NATURAL RESOURCES**



Patti Walstad

From: Diane miller <dianemiller1031@hotmail.com>
Sent: Friday, July 27, 2018 9:52 AM
To: WBTFrontDesk
Subject: Water Ban Position Opening

Good Morning,

I was told you are looking for someone to drive around looking for people watering during off hours. I work for the White Bear Lake School and will be starting back to work end of August.

Looking for something to fill my time. Thought I would inquire about it.

Send me some details and if you have interest in more from me!

Thanks,

Diane Miller 😊



Utility Commission Meeting August 9, 2018

Agenda Number: 12

Subject: Next Meeting Date – Agenda Items

Documentation:

Action / Motion for Consideration:

September 2018 						
Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

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Date provided for
without warranty.



**Utility Commission Meeting
August 9, 2018**

Agenda Number: 13 - 14

Subject: Added Agenda Items
Adjournment

Documentation: FYI Items

Action / Motion for Consideration:

Tom Riedesel

From: Hanson, Caleb <CHanson2@republicservices.com>
Sent: Friday, July 20, 2018 9:25 AM
To: Tom Riedesel
Subject: Cleanup

Tom-

You will receive an invoice for the amount listed below:

	Quantity	Charge	Total
Paper Shredding			\$ 1,750.00
Tires			\$ 500.00
Appliances	145	\$ 14.00	\$ 2,030.00
Electronics	25,695	\$ 0.37	\$ 9,507.15
			\$13,787.15

If you have any questions, please let me know.

Thanks,
Caleb

Caleb E. Hanson
Assistant Division Controller

8661 Rendova St. NE
Blaine, MN 55014
e chanson2@republicservices.com
o 763-259-5575
w www.RepublicServices.com



We'll handle it from here.™
