



WHITE BEAR TOWNSHIP

1858
RAMSEY COUNTY
MINNESOTA

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

AGENDA UTILITY COMMISSION MEETING FEBRUARY 8, 2018

1. **7:00 p.m.** Call Meeting to Order at Township Office Conference Room, 1281 Hammond Road.
2. Approval of February 8, 2018 Agenda (Additions/Deletions).
3. Approval of November 9, 2017 Minutes (Additions/Deletions).

Welcome New Member – George Fredericks

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. Public Works Director Report.
7. Republic Services – Introduction of New Management.
8. DNR/WBL Lawsuit – Overview.
9. Current Sprinkling Regulations – Review.
10. Water Conservation – Implementation.
11. Stormwater Projects - Review.
12. Next Meeting Date / Agenda Items.
13. Added Agenda Items.
14. Adjournment.





Utility Commission Meeting February 8, 2018

Agenda Number: 1 – 2- 3

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

Approval of February 8, 2018 Agenda &
November 9, 2017 Minutes

Documentation: February 8, 2018 Agenda &
November 9, 2017 Minutes

Action / Motion for Consideration:

Call meeting to order:	7:00 p.m.
Approval of Agenda:	February 8, 2018 (Additions / Deletions)
Approval of Minutes:	November 9, 2017

**MINUTES
UTILITY COMMISSION MEETING
NOVEMBER 9, 2017**

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

Present: Bernstein, DeLoach, Groschen, McCune, Pehrson; Town Board Liaison: Kermes;
Clerk: Short; Public Works Director: Reed.

Absent: Hesse with notice.

APPROVAL OF AGENDA (Additions/Deletions): Bernstein moved approval of the agenda with the following amendments: 9A) Visit Public Works Building – System Monitoring Upgrades; 9B) E-Bill Launch (Quarterly Sewer/Water Billing). McCune seconded. Ayes all.

APPROVAL OF SEPTEMBER 14, 2017 MINUTES: McCune moved approval of the September 14, 2107 meeting minutes. DeLoach 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. DeLoach seconded. Ayes all.

COMMISSIONERS REPORT: Water Conservation Rebate Program: The Town participated in a rebate program funded by the legislature through the Met Council. The Met Council provided the Township with a \$25,000 grant. The Town provided a 25% match of the cost. Resident applications were awarded on the first come first serve basis. The rebate program provided discounts for water sense toilets; washing machines; and irrigation controllers. **Water Supply Plan / Water Audit:** The water audit needs to be completed by the end of the year. The Engineer is working with the finance department regarding the necessary information regarding consumption versus production information. **Town Hall:** Restoration of the Town Hall is going well. Exterior work will be complete once the stucco work is done. The next phase is a fund raising campaign which will begin in the spring to help with costs. The historical society has received \$37,000 in donations so far. The goal of the campaign is to raise \$150,000. **White Bear Lake Restoration versus DNR:** The Court has stated that the target level of White Bear Lake is 923.5'. The DNR is appealing the judge's ruling.

PUBLIC WORKS DIRECTOR REPORT: The Public Works Director reviewed the Public Works Department activity reports for September and October 2017. **The Northeast Water Tower:** The water tower is in service. Staff is working with TMI on final costs for the project. Both Verizon and T-Mobile are requesting the Town to consider updates to their current equipment. **Lift Station #3:** The SCADA connection to the control panel was completed on September 11th and monitoring was taken over by the Township on September 19th. **Water Meter Repair/Reading:** A letter to the manufacturer, Sensus, and the local supplier, H.D. Supply (now Core and Main) has been sent by the Town Attorney regarding water meters which are providing inaccurate readings. Cory Luft, the Core and Main sales representative acknowledged receiving the letter. **Water Meter Verification:** The Public Works Director has begun verifying meters, larger than 1-1/2" for type, either PMM or Positive Displacement meters. Meter testing and/or replacement will drive the next group of meter testing. A Public Works staff member will continue to visit each meter location for commercial meters and verify types. The Town's current meter record system does not have this data included. **Storm Water Program:** Stormwater Pond inspections have begun. There will be more projects identified for the storm water project list as the inspections

MINUTES
UTILITY COMMISSION MEETING
NOVEMBER 9, 2017

are completed. **Barry Lane Pond Project:** Reconstruction has been completed by Bell Trucking, Inc. **Catch Basin Reconstruction:** Ramsey County has provided a cost share agreement for the outfall located near Park and West Bald Eagle Boulevard. Catch basin reconstruction for both White Bear Parkway and Hammond Road is completed with some restoration work to be completed soon. **Water System Improvements/Issues:** The veneer contractor is close to completing work on Well #5 treatment plant #1. 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 2017. Following a meeting between the Township and City staff the Township and City will be reviewing potential interconnect options. **Sanitary Sewer System Improvements/Issues:** Final punch list items are being addressed for the Southeast sanitary sewer lining project. The 2017 I&I project was awarded to Visu-Sewer, Inc. The Public Works Director is working with Ron Finney, Visu-Sewer project manager, to coordinate the start of the I&I work soon. Flow monitoring data is being reviewed for potential I&I work by TKDA. The Township Engineer and Public Works Director will develop the scope for an I&I project out of the data review.

DISPOSAL RATE INCREASE – DISCUSS: Republic Services contacted the Township with information that the Washington/Ramsey Disposal Facility (used to be called RRT) in Newport where Republic Services are required to haul/dispose of the Township's trash, has announced a price increase for the waste they accept. The increase is \$7.00 per ton, but that translates to \$.58 per month, per household. This increase will be effective on January 1, 2018. Republic Services has no control over this and are just complying with the law and the new rate. The other rates are fixed for 2018 (no increase from 2017) as part of the new contract. Options for the Disposal Rate increase are to go with a monthly, flat rate of \$.58 increase across the board to each level of service; or the increase could be made proportionally, based on trash cart size. the proportional option would be: \$0.42 for the 35 gallon customers; \$0.56 for the 65 gallon customers; \$0.82 for the 95 gallon customers. The members discussed what would be best for the residents. It was the consensus that this is a pass through cost. Republic Services does not have a choice since this is what they will be charged and they cannot control the price. The Utility Commission recommends the proportional option according to trash cart size.

McCune moved to recommend to the Town Board that the Disposal Rate Increase be applied on a proportional volume based approach, noting that the tipping/disposal fee is identified as a "pass through expense" in the refuse/recycling contract and Republic Services does not have a choice in the increase. Bernstein seconded. Ayes all.

VISIT PUBLIC WORKS BUILDING – SYSTEM MONITORING UPGRADES: The visit to the Public Works Building was cancelled due to timing. The visit will occur at a future meeting.

E BILL LAUNCH – QUARTERLY SEWER/WATER BILLING): The Clerk reviewed the new sewer and water bill program. Utility customers can see their bills and pay their bills on line. The program also allows the customer to view their usage history.

VISIT PUBLIC WORKS BUILDING: It was the consensus that the visit be postponed to a later date due to the lateness of the hour.

MINUTES
UTILITY COMMISSION MEETING
NOVEMBER 9, 2017

NEXT MEETING DATE / ITEMS FOR DISCUSSION: It was the consensus that unless there is something that needs discussion, there will be no December meeting. Reminder: The Town Budget meeting will be held on Tuesday, December 12, 2017.

Bernstein moved to adjourn the meeting at 8:46 p.m. Pehrson seconded. Ayes all.

Respectfully Submitted,

Joan J. Clemens
Recording Secretary

DRAFT



**Utility Commission Meeting
February 8, 2018**

Agenda Number:

Subject: Welcome New Member – George Fredericks

Documentation: Oath

Action / Motion for Consideration:



**Utility Commission Meeting
February 8, 2018**

Agenda Number: 4A - Consent

Subject: Receive Monthly Sewer & Water Report

Documentation: Report
Watermain Leak Report

Action / Motion for Consideration:

Receive Information



WATERMAIN LEAK REPORT

NO.: 10.17

LOCATION: 3955 Lakewood Ave.

TIME REPORTED:

DATE: 11.28.17

REPORTED BY: Matt Schneider

ADDRESS: 3955 Lakewood Ave.

REPORT RECEIVED BY: Pete Tholen

DESCRIPTION OF RUPTURE OR BREAK: Rectangular break along pipe

PROBABLE CAUSE OF RUPTURE OR BREAK: Water hammer from well # 1 turning on.

SIZE AND MATERIAL OF PIPE: 6" DIP

QUANTITY OF WATER ESCAPING: 57,375 gal.

G.P.M.: 1,913

TIME CREW REACHED SITE OF LEAK: 4:00 PM.

DATE: 11.28.17

TIME FLOW OF WATER WAS STOPPED: 2:45 PM.

DATE: 11.28.17

TIME WATER ON AFTER REPAIRS: 7:45 PM.

DATE: 11.28.17

ACTION TAKEN TO REPAIR LEAK: St. Paul Water had to replace 54" of pipe.

REMARKS:

WORK PERFORMED BY: Water Conservation Services Inc. was contacted to locate leak. St. Paul Water was contacted to complete the repair.



WATERMAIN LEAK REPORT

NO.: 11.17

LOCATION: 4060 Portland Ave.

TIME REPORTED:

DATE: 11.23.17

REPORTED BY: Paul Peltier

ADDRESS: 4060 Portland Ave.

REPORT RECEIVED BY: Pete Tholen

DESCRIPTION OF RUPTURE OR BREAK: Hole

PROBABLE CAUSE OF RUPTURE OR BREAK: Corrosion

SIZE AND MATERIAL OF PIPE: 6" DIP

QUANTITY OF WATER ESCAPING: 15,635 gal.

G.P.M.: 95

TIME CREW REACHED SITE OF LEAK: 11:45 AM.

DATE: 12.23.17

TIME FLOW OF WATER WAS STOPPED: 1:15 PM.

DATE: 12.23.17

TIME WATER ON AFTER REPAIRS: 3:15 PM.

DATE: 12.23.17

ACTION TAKEN TO REPAIR LEAK: 18" stainless steel band was used to repair the leak.

REMARKS:

WORK PERFORMED BY: Water Conservation Services Inc. was contacted to locate leak. St. Paul Water was contacted to complete the repair.



Utility Commission Meeting February 8, 2018

Agenda Number: 4B - Consent

Subject: Receive EDAB Minutes

Documentation: None

Action / Motion for Consideration:

MINUTES ECONOMIC DEVELOPMENT ADVISORY BOARD MEETING NOVEMBER 14, 2017

The meeting was called to order at 6:00 p.m.

Present: Artner, Horak, Keleher, McCune, Scherman; Town Board Liaison: Kermes; Clerk: Short.

Absent: Zinschlag with notice.

APPROVAL OF AGENDA (Additions/Deletions): Artner moved approval of the agenda with the following amendment: 8A) EDA Fund – General Discussion. Horak seconded. Ayes all.

APPROVAL OF AUGUST 3, 2017 MINUTES: Horak moved approval of the August 3, 2017 Meeting Minutes. McCune seconded. Ayes all.

TOWN HALL – UPDATE: **Town Hall Structure:** The exterior stucco/plaster needs to be done on the band on the top. Chrome green has been determined to be the color closest to what the color of the building would have been painted in 1885. **Town Hall Campaign:** Sara Hanson, WBLA Historical Society and EDAB member, Tom Horak put together steps to launch a Town Hall campaign. They have met with Bill Short three times to date. At the last meeting Sara Hanson announced that she has solicited volunteers to serve as co-chairs of the campaign. Gene and Cathy Johnson have agreed to serve as co-chairs. A meeting has been scheduled for December 13, 2017 for a meeting with Mr. and Mrs. Johnson to discuss their roles. They will be spokespersons to speak to people within the community regarding major gifts. Businesses will also be approached for their support. There is \$15,000 matching funds in the Town Hall Fund to date. These funds are designated for programming and materials for historical displays and presentations. A goal of \$145,000 has been set for identified needs. The length of the campaign depends on major gifts. An update will be provided to the EDAB after the meeting with the co-chairs. **Lease Agreement:** The Town Attorney advised the Town that a lease agreement would be the most appropriate tool for the historical society's management of the

Town Hall. Initially a management agreement was prepared by the historical society but the Town Attorney informed the Board that the Town does not have the statutory authority to have a management agreement for a public building. The lease agreement defines use of the building for purpose of maintaining and properly caring for the premises' historical interiors, collections, furnishings, artifacts and objects, whether on display or in storage at the leased premises. The historical society will also maintain an interpretive program according to guidelines established and agreed to in writing. The historical society estimated that it will cost approximately \$20,000 per year for maintenance, interpretation, promotion (fundraising) and repair expenses for the premises. The other components of the lease agreement are standard provisions.

There was discussion regarding the lease agreement. Following are comments provided:

- The EDAB would like a clearer waiver.
- Are the important sections of the management agreement included as an addendum to the lease agreement.
- Need to determine how often a financial update needs to be provided to the Town (monthly, quarterly, annually).

The EDAB will continue to be provided an update on campaign activity.

WATER GREMLIN EXPANSION – UPDATE: Scott Schultz, Water Gremlin informed the Town that the expansion will occur. They are closer to having a full plan. Other business matters put the expansion on temporary hold but funds are committed to the project. They are awaiting an okay from company owners.

DECEMBER MEETING – RESCHEDULE: The Town's budget meeting is scheduled for the same night as the December EDAB meeting. There are no pressing issues to review so the December meeting will be cancelled. The members were urged to attend the budget meeting on December 12th.

EDA FUND – GENERAL DISCUSSION: The Clerk reviewed some of the history of tax increment financing. The EDA Fund total (actual) as of December 21, 2016 was briefly reviewed. Account revenues and expenditures were reviewed. It was noted that there are some adjustments to be made. The Clerk will work with the Finance Officer to review the areas needing adjustments and will provide a final fund review at a future meeting.

McCune moved to adjourn the meeting at 7:40 p.m. Artner seconded. Ayes all.

Respectfully Submitted,

William F. Short
Clerk-Treasurer



**Utility Commission Meeting
February 8, 2018**

Agenda Number: 4C - Consent

Subject: Republic Services Monthly Service Report

Documentation: Reports

Action / Motion for Consideration:

Receive Information

Service Report By Month for White Bear Township

2017



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

	Trash	YardWaste	Recycle	Totals
JANUARY	12	0	6	18
FEBUARY	6	0	2	8
MARCH	13	0	3	16
APRIL	10	2	4	16
MAY	5	3	4	12
JUNE				0
JULY				0
AUGUST				0
SEPTEMBER	3	1	1	5
OCTOBER	2	4	2	8
NOVEMBER	13	7	2	22
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

Service Report By Month for White Bear Township

2017



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

	Trash	YardWaste	Recycle	Totals
JANUARY	12	0	6	18
FEBUARY	6	0	2	8
MARCH	13	0	3	16
APRIL	10	2	4	16
MAY	5	3	4	12
JUNE				0
JULY				0
AUGUST				0
SEPTEMBER	3	1	1	5
OCTOBER	2	4	2	8
NOVEMBER	13	7	2	22
DECEMBER	6	1	0	7

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
February 8, 2018**

Agenda Number: 5

Subject: Commissioner's Report

Documentation: None

Action / Motion for Consideration:

Receive Information



**Utility Commission Meeting
February 8, 2018**

Agenda Number: 6

Subject: Public Works Director Report

Documentation: Reports

Action / Motion for Consideration:

Receive Information

**White Bear Township
Town Board Update
On
Public Works Department Activity
(November 2017)**

1. **Lift Station #3 –**
 - Staff received training on the Lift Station and Generator operation on Thursday, November 16th.

2. **Safety**
 - The Job Hazard Analysis sheets have been updated and are now ready for staff review and signing.

3. **Water Meter Repair/Reading**
 - Water meter issue update – Town Attorney will provide update at meeting.
 - The Public Works Director has begun verifying meters, larger than 1-1/2” for type, either PMM or Positive Displacement meters? Meter testing and/or replacement will drive the next group of meter testing. A Public Works staff member will continue to visit each meter location for commercial meters and verify types. Our current meter record system doesn’t have this data in it.

4. **2016-2020 Capital Equipment/Capital Improvement Programs**
 - GIS integration will begin 2018.
 - Replacement of the Town warning sirens - Ramsey County Emergency Management is working with communities within the County on replacement siren activation system. The quote for the activation system replacement at each of the Town’s 4 locations has already been provided by Federal Warning Systems from Rochester, MN. The County is going to take over the activation system used by the City of St. Paul (Federal Signal Systems). The communities within the County will then have to convert to the same activation equipment as that used by the City of St. Paul by April 1, 2018, that is when the old activation system will be decommissioned. Staff has been working with TKDA to verify if other sirens manufacturers could provide sirens aside from Federal Signal Systems (the manufacturer of the new siren activation system that Ramsey County is taking over from the City of St. Paul). TKDA will provide a letter to document findings on siren options and how the Town should proceed with the replacement. There is an issue with the current power supply at 3 of the 4 sites. The Town Engineer can explain at the meeting.

5. **Storm Water Program**
 - Stormwater Pond inspections have been completed for 2017. There are more projects identified for the storm water project list .
 - Ramsey County has provided a cost share agreement for the outfall located near Park and West Bald Eagle Boulevard for signature by the Town Board.

6. **Water system improvements/issues**
 - The veneer contractor should complete the work on Well #5/Treatment Plant #1 this week. Thin brick and thin block were slow on delivery to keep the work going earlier in the fall.
 - 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 2017. The Town Engineer and Public Works Director will need to visit the possible interconnect locations to determine which is the most feasible.
 - The Northeast Water Tower – The Town Engineer and Public Works Director are negotiating liquidated damages with TMI.
 - Water Tower Clean and Coat completed the exterior cleaning of the Hammond Road Tower on November 14, 2017. The South Tower will also be cleaned, weather permitting.

7. **Sanitary sewer system improvements/issues**
 - Southeast Sanitary Sewer lining project update – Final punchlist have been completed. There is discussing ongoing regarding a pump replacement for lift station #1 due to damage from rocks found in the impellor.
 - The 2017 I/I project was awarded by the Town Board on October 2nd to Visu-Sewer, Inc. The Public Works Director met with Ron Finney, the Visu-Sewer project manager, to discuss the start of the I/I work. Work will begin in late December 2017 or early January 2018.
 - Flow monitor data is being reviewed for potential I/I work by TKDA. The Town Engineer and the Public Works Director will develop the scope a I/I project out of the data review.

8. **Street Improvement Program.**
 - Fall Street Sweeping was completed the week of October 30th.
 - A survey will be developed by the Clerk/Treasurer, Public Works Director and Town Engineer to send to residents in the 2018/2019 proposed street reconstruction area. Discussion with the Town Board will take place at the November TB Executive meeting.

9. **Sign replacement program (retroreflectivity standard)**
 - Street name sign replacement is proposed for 2019.

10. **Personnel Updates:**
 -

11. **Park Projects:**
 - Apple Tree Park Playground replacement project- The playground equipment installation is nearly complete. The handicap swing, basketball backboard and adult fitness equipment will be installed soon.

- Bellaire Beach house rehabilitation. The roof replacement will begin in December 2017.

12. Ramsey County Projects within the Township

14. Informational sharing regarding Public Works in general:

Public works jobs for November 2017

1. Monthly safety inspections of 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 repairs and reading
6. Started to repair fire hydrants from the list compiled from the fall flushing
7. Completed flushing fire hydrant on the Northside and North Oaks
8. Repaired multiple areas from watermain leaks
9. New construction water turn on's
10. Gopher one locates in Township, North Oaks, Gem Lake, and Birchwood
11. Started to clean/vac out lift stations in the Township (12), Birchwood (3) and North Oaks (12)
12. Temporary repaired a storm structure on Carolyn Ln.
13. Hauled street sweeping
14. Completed skin patching the Southside area
15. Ongoing patching throughout the Township
16. Installed and replaced various street signs in the Town
17. Emptied trash in all the parks
18. Spot mulching/mowing in Town parks and lots
19. Finished winterizing Polar Lakes Park irrigation system
20. Winterized Bellaire Beach house
21. Removed the dock out of the water at the Summit Ln. easement for the winter season
22. Finished aerating Polar Lakes Park, Four Seasons, Longville baseball fields and Columbia Park soccer field
23. Cut the wild flowers/grasses at Polar lakes Park
24. Top dressed the multi-use field at Polar Lakes Park

Mechanic jobs for November 2017

1. Assisted Public Works out in the field with variety of projects
2. Mowed/Mulched Leaves Public Works, Admin. and Polar Lakes playground area
3. Finished the scheduling of DOT inspections on the trucks
4. Installed new plow controllers in truck # 49 and 41(5 yd. dump truck)
5. Started to install granular fed back controls on trucks # 49, 41 (5 yd. dump truck), 36 (1 ton. dump truck) and 47 (tandem truck)
6. Having shields fabricated for the salt auger sensor for all the large dump trucks
7. Having salt shields fabricated for truck # 47 (tandem dump truck)
8. Replaced salt spinner and mount on truck # 41 (5 yd. dump truck)
9. Replaced spinner mount on truck # 49 (5 yd. dump truck)
10. Replaced several misc. fittings on various salt spreaders
11. Formed up the concrete slab for the new fuel tanks and old road grader
12. Trenched in conduit for the new fuel tanks
13. Blacktopped and patched the areas from the concrete and conduit work

**White Bear Township
Town Board Update
On
Public Works Department Activity
(December 2017)**

1. **Lift Station Upgrades–**
 - TKDA will provide a engineering proposal for developing bid documents for Lift Station #10 in early 2018.
 - Lift Station #3 Project is closed out. Neighbors have requested the Town to provide landscaping around the lift station.

2. **Safety**
 - The Job Hazard Analysis sheets have been updated and are now being reviewed and signed by staff.

3. **Water Meter Repair/Reading**
 - Water meter issue update – Bill Short, Jim Studenski and Dale Reed met with Corey Luft and Chance from Core & Main and Sensus respectively on Tuesday, December 12.
 - The Public Works Director provide an excel spreadsheet to Utility Billing to verify the current list of Commercial Meters within the Township. Meter testing and/or replacement will follow upon receiving the verification from Utility Billing.

4. **2016-2020 Capital Equipment/Capital Improvement Programs**
 - GIS integration will begin 2018.
 - Replacement of the Town warning sirens - Ramsey County Emergency Management is working with communities within the County on replacement siren activation system. The quote for the activation system replacement at each of the Town's 4 locations has already been provided by Federal Warning Systems from Rochester, MN. The County is going to take over the activation system used by the City of St. Paul (Federal Signal Systems). The communities within the County will then have to convert to the same activation equipment as that used by the City of St. Paul by April 1, 2018, that is when the old activation system will be decommissioned. Staff has been working with TKDA to verify if other sirens manufacturers could provide sirens aside from Federal Signal Systems (the manufacturer of the new siren activation system that Ramsey County is taking over from the City of St. Paul). TKDA will provide a letter to document findings on siren options and how the Town should proceed with the replacement. There is an issue with the current power supply at 3 of the 4 sites. The Town Engineer can explain at the meeting.

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 - The 2017 I/I project was awarded by the Town Board on October 2nd to Visu-Sewer, Inc. The Public Works Director met with Ron Finney, the Visu-Sewer project manager, to discuss the start of the I/I work. Work will begin in late December 2017 or early January 2018.
 - Flow monitor data was reviewed by the Town Engineer and from that analysis it was determined that the following street sections should be televised for potential I/I issues: Cottage Avenue, Prospect Avenue, and Lakeview Avenue. A small section of gravity line between the West Bald Eagle Easement and Lift Station #3.

8. **Street Improvement Program.**
 -

9. **Sign replacement program (retroreflectivity standard)**
 - Street name sign replacement is proposed for 2019.

10. **Personnel Updates:**
 -

11. **Park Projects:**

- Apple Tree Park Playground replacement project- The adult fitness equipment will be installed soon.
- Bellaire Beach house rehabilitation. The roof replacement will begin in December 2017.

12. Ramsey County Projects within the Township

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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. Completed the 4th quarter meter reading
6. Continued water meter repairs and reading
7. Continue to repair fire hydrants from the list compiled from the fall flushing
8. Opened mud valves on the 3 Town Water Towers to flush any sediment out
9. New construction water turn on's
10. Jetted sanitary sewer easements
11. Gopher one locates in Township, North Oaks, Gem Lake, and Birchwood
12. Completed the cleaning of lift stations in the Township (12), Birchwood (3) and North Oaks (12)
13. Snow and ice control on Town roads and parking lot's
14. Emptied trash in all the parks
15. Started to flood the Town's 3 ice rinks
16. Hauled brush from the Rutherford Park to the Ramsey Co. Compost site
17. Cleaned mowers and put them in the NE. water tower for the winter season
18. Hung front plows, wings and salt spreaders on 5 trucks for the winter season
19. Prepping equipment for the upcoming tree trimming season

Mechanic Jobs for December 2017

1. Assisted Public Works out in the field with variety of projects
2. Finished installing granular fed back controls on trucks # 49, 41 (5 yd. dump truck), 36 (1 ton. dump truck) and 47 (tandem truck)
3. Installed shields for the salt auger sensor for all the large dump trucks
4. Serviced # 25 and installed a new work light switch (pickup)
5. Rewired the sander light on # 40 (5 yd. dump truck)
6. Went through tool's in the old toolbox and transferred them to the new toolbox
7. Had # 44 (loader) front main bucket locking pins replaced at CAT

8. Serviced and added warning lights to # 17 (brush/tree chipper)
9. Recalibrated a couple of plow trucks
10. Cleaned up # 6 (Toro 4000D mower) for the spring surplus auction
11. Replaced # 50 (drop trailer) jack stand

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

1. **Lift Station Upgrades–**
 - TKDA will provide a engineering proposal for developing bid documents for Lift Station #10 in early 2018.
 - Lift Station #3 Project. The Public Works Director is working with the Churchills, Vissers, and ? on a landscaping design to address there concerns.

2. **Safety**
 - The Job Hazard Analysis sheets are now being reviewed and signed by staff.

3. **Water Meter Repair/Reading**
 - Water meter issue update – The Public Works Director has provided Corey Luft, of Core & Main, with the estimated number of water meters that will need to be replaced. We are waiting to hear back from them with a resolution to the issue.
 - Utility Billing has verified, what they are able to with the records available, the current list of Commercial Meters within the Township. Meter testing and/or replacement will follow.

4. **2016-2020 Capital Equipment/Capital Improvement Programs**
 - The GIS Request for Bids is under review by the Clerk/Treasurer and will be presented to the Town Board for approval in February.
 - Replacement of the Town warning sirens – The sirens and controls have been delivered to Public Works and will be installed by the April deadline given to the communities by Ramsey County.

5. **Storm Water Program**
 - The Storm Water project listing has been updated and will be presented to the Utility Commission in February.
 - Ramsey County has provided a cost share agreement for the outfall located near Park and West Bald Eagle Boulevard for signature by the Town Board.

6. **Water system improvements/issues**
 - The veneer contractor has completed the thin brick and block veneer application. The acid wash of the exterior will be completed in late spring early summer along with some warranty work.
 - 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 the late spring.

- Water Tower Clean and Coat was unable to complete the cleaning of the South Water Tower in 2017. They will clean the Tower in the late spring of 2018.
 - Well #1 is up for rehabilitation in 2018. The work includes repair and replacement of well pump, shaft, and column piping. An electronic transducer will also be part of the rehab. This is the only well without a transducer in the system.
 - A concrete floor will be installed in the base of the Northeast Water Tower.
- 7. Sanitary sewer system improvements/issues**
- The 2017 I/I project was awarded by the Town Board on October 2nd to Visu-Sewer, Inc. The Public Works Director is in contact with Todd Stelmacher, the Visu-Sewer project manager, to discuss the start of the I/I work. Work will in late March, early April because of cold weather delays on other projects.
 - The televising has been awarded to Visu-Sewer for Cottage Avenue, Prospect Avenue, and Lakeview Avenue. A small section of gravity line between the West Bald Eagle Easement and Lift Station #3.
 - Lift Station #10 will be rehabilitated in 2018.
- 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 specifications and maps will be presented to the Town Board on February 5th for approval to advertise and bid.
- 9. Sign replacement program (retroreflectivity standard)**
- Street name sign replacement is proposed for 2019.
- 10. Personnel Updates:**
- Staff will advertise for Seasonal Maintenance Workers soon.
- 11. Park Projects:**
- Apple Tree Park Playground replacement project - The adult fitness equipment will be installed in the spring of 2018.
 - Bellaire Beach house rehabilitation. The roof replacement will begin soon.
 - Eagle Park Tennis Courts are scheduled for replacement this summer.
 - The trails along White Bear Parkway, Hammond Road, Centerville Road, Otter Lake Road, Polar Lakes Park and Columbia Park will be sealcoated in 2018.
 - A pitching mound will be constructed on Field #2 in the Polar Lakes wheel along with continued turf establishment after the draintile install in 2017.

12. Ramsey County Projects within the Township;

13. Informational sharing regarding Public Works in general:

Public Works Jobs for January 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 repairs and reading
6. Completed 9 of the 15 Sate water tests for this month
7. Finished repairing fire hydrants from the list compiled from the fall flushing
8. Various water shut offs at empty/abandoned homes from frozen pipes that thawed out and began leaking
9. New construction water turn on's
10. Gopher one locates in Township, North Oaks, Gem Lake, and Birchwood
11. Snow and ice control on Town roads and parking lot's
12. Emptied trash in all the parks
13. Snow removal on Town sidewalks and trails
14. Continue to flood the Town's 3 ice rinks
15. Brushed back the red pine trail system
16. Started chipping the Red Pine Trail system



**Utility Commission Meeting
February 8, 2018**

Agenda Number: 7

Subject: Republic Services – Introduction of New Management
Kyle Rawleigh / Bev Mathiasen

Documentation: Email

Action / Motion for Consideration:

Receive Information / Discuss

Patti Walstad

From: Bill Short
Sent: Thursday, February 1, 2018 8:45 AM
To: Patti Walstad
Subject: FW: White Bear Lake Township: 2017 Annual Reports
Attachments: White Bear Township 2017 Year End Tonnage Totals.pdf; WBT Miss Report 2017.xls;
White Bear Lake Township 2017 Tonnage Total-corrected version.pdf

FYI,
new staff for Republic.. She replaces Rich Hirstein.

From: Mathiasen, Beverly [mailto:BMathiasen@republicservices.com]
Sent: Wednesday, January 31, 2018 10:37 PM
To: Bill Short <Bill.Short@whitebeartownship.org>
Cc: Rawleigh, Kyle <KRawleigh@republicservices.com>
Subject: White Bear Lake Township: 2017 Annual Reports

Hi Bill,

As the new Municipal Services Manager for Republic Services I'm excited to assist White Bear Township in accomplishing its waste and recycling goals. Kyle Rawleigh, our Division Manager, mentioned that there will be a Township meeting in the near future and I look forward to meeting you soon.

Enclosed are your 2017 Annual Reports. Regretfully, while auditing our reports we discovered an error. This error over-inflated the Township's actual recycling tonnage throughout the year. I've enclosed the document that demonstrates the monthly and annual differences in reported tonnage for you. The root cause of this error has been identified and measures are in place to prevent inaccuracies in future reporting. We sincerely apologize for this error.

Should you have any concerns or questions please feel free to contact me.

Again, we sincerely apologize for this error.

Sincerely,

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



We'll handle it from here.™



**Utility Commission Meeting
February 8, 2018**

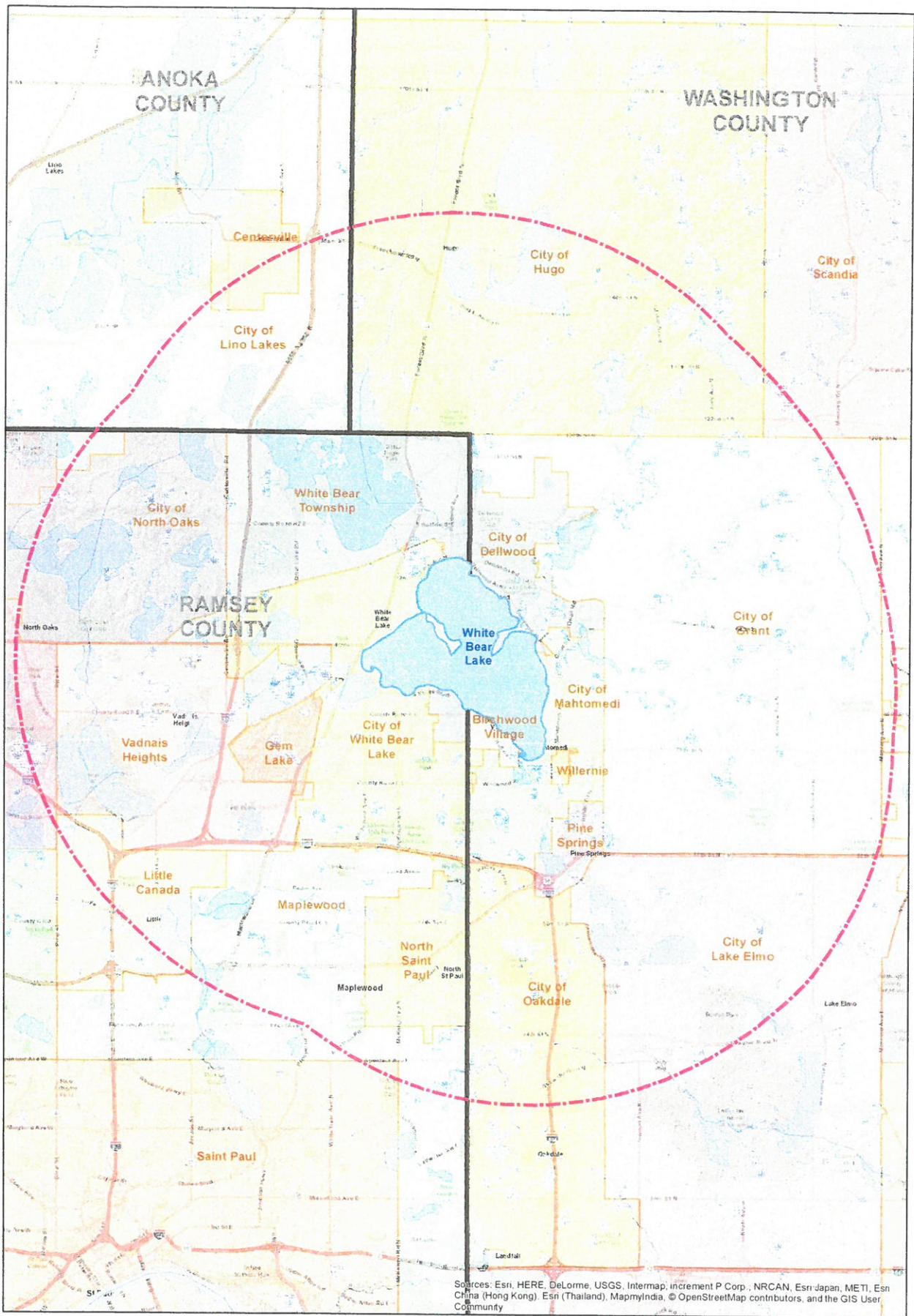
Agenda Number: 8

Subject: DNR/WBL Lawsuit - Overview

Documentation: Miscellaneous Information

Action / Motion for Consideration:

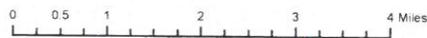
Receive Information / Discuss



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Map Showing 5-Mile Area Around the Shore of White Bear Lake

DISCLAIMER: This map approximates the 5-mile boundary around White Bear Lake and is not intended to be used for regulatory decisions about wells being located within or beyond this boundary.



 5 Mile Line From Shore of White Bear Lake



NOW THEREFORE, IT IS HEREBY ORDERED:

1. The Court declares that the DNR's current and planned permitting of high capacity groundwater appropriations and management of White Bear Lake and the Prairie du Chien-Jordan Aquifer violate:

A. MERA, by impairing both White Bear Lake and the Prairie du Chien Aquifer.

B. The Public Trust Doctrine, by:

- 1) Causing a continuing decline in the levels of both the Prairie du Chien Jordan Aquifer and of White Bear Lake that diminishes the size of the lake and its lakebed, and adversely impacts public uses of the lake; and
- 2) Failing to take remedial measures within its authority to protect White Bear Lake and the Prairie du Chien Aquifer, when it had knowledge that its actions in issuing and failing to manage high capacity groundwater pumping permits were adversely affecting the lake and aquifer.

2. The Court declares that by virtue of its violating the following statutes and rules, the DNR has violated MERA:

A. M.S. § 103G.211 (the draining of the lake resulting from the excessive pumping of the aquifer);

B) M.S. § 103G. 287, subd. 5 (issuance of permits for pumping without a determination that the amount of use is sustainable, particularly for future generations);

C) M.S. § 103G.287 and .285 (failing to set collective annual withdrawal limits from the lake; failing to require permittees to submit contingency plans for alternate water sources; failing to set a meaningful trigger for implementation of

action before the protected elevation is reached); and

D) M. Rule 6115.0670 (approval of groundwater appropriations without sufficient data to determine the effects of the appropriation allowed).

3. The DNR is prohibited from issuing appropriation permits for new groundwater wells, or increasing appropriation amounts in existing groundwater permits, within a 5-mile radius of White Bear Lake until it has **fully** complied with the requirements of the above statutes. To that end, it shall:

A) Review *all* existing groundwater appropriation permits within a 5-mile radius of White Bear Lake, analyzing them both individually, and cumulatively, to ensure compliance with the sustainability standard of M.S. §103G.287, subd. 5. The review will be completed within one year of the date of this order. The specific results of the analysis will be published in a public newspaper, in a form understandable to the general public.

B) In the event that any of the above permits do not comply with the sustainability standard set by statute, they will be reopened and down-sized within 6 months of failure to comply with the sustainability standard of M.S. § 103G.287, subd. 5.

C) Analyze the cumulative impact of these permits within the 5-mile radius of White Bear Lake to determine whether pumping at the maximum rates allowed by the permits is sustainable. The analysis will be completed within one year of the date of this order. The specific results will be published in a public newspaper, in a form understandable to the public.

4. For groundwater permits within a 5-mile radius of White Bear Lake, the DNR shall comply with all the applicable provisions of M.S. § 103G.285, including:

- A) Setting a collective annual withdrawal limit for White Bear Lake;
- B) Setting a trigger elevation of 923.5 feet for implementation of the protected elevation;

- C) Preparing, enacting and enforcing a residential irrigation ban when the level of White Bear Lake is below 923.5 feet, to continue until the lake has reached an elevation of 924 feet. The preparation and enactment of this process will be completed within 6 months of this order.
- D) Requiring that all existing permits include an enforceable plan to phase down *per capita* residential water use to 75 gallons per day and total *per capita* water use to 90 gallons per day. The enactment of this requirement will be completed no later than 1 year from the date of this order.
- E) *Immediately* amending *all* permits within the five mile radius of White Bear Lake to require that within one year of the date of this order, permittees submit a contingency plan in their water supply plans for conversion to total or partial supply from surface water sources. This contingency plan will include a schedule for funding design, construction and conversion to surface water supply. The Court notes that while the DNR has previously ignored the mandate of this statute, submission of these water supply conversion plans is required for the issuance of permits. Whether any conversion would occur shall be determined by the DNR and the affected communities.
- F) Requiring that all groundwater permittees report annually to the DNR on collaborative efforts with other northeast metro communities to develop plans as described in (D), above.
5. The DNR shall issue no groundwater appropriation permits unless it has sufficient hydrologic data to understand the impact, whether cumulative or otherwise, of those groundwater appropriations on White Bear Lake and the Prairie du Chien-Jordan Aquifer.
6. The DNR shall work with the Metropolitan Council to evaluate current conservation goals and update them as needed.
7. The DNR shall require that water supply plans include measurable conservation goals and shall evaluate compliance with water conservation requirements on all permits

issued within the 5 mile radius of the lake. Should the individual community be out of compliance with those requirements, the DNR shall take appropriate action in downsizing that community's permit.

6. For each day that the DNR is out of compliance with this Order, it will be subject to a fine of \$1000 per day.
7. Costs are awarded Plaintiff and Plaintiff/Intervenor against Defendant DNR.
8. The Court retains jurisdiction over this action to monitor the DNR's compliance with the conditions imposed by this Order.

LET JUDGMENT BE ENTERED ACCORDINGLY.

30 August 2017

BY THE COURT:



Margaret M. Marrinan

Judge of District Court

Memorandum

The last 12 months have been the wettest on record in Minnesota, a record that dates back to 1837. From August, 2016 to July, 2017, 40.72 inches of rain fell in the Twin Cities, well above the 30-year average for annual MSP rainfall of 31 inches (which is 20% wetter than the 1941-1970 rainfall average of 26 inches).⁵⁶⁸ The span of time between the start of this trial and the date of this Order runs from March 6, 2017 to August 30, 2017. In that period of time, 24.02 inches of rain fell in the Twin Cities, as

⁵⁶⁸ Paul Douglas, Minneapolis Tribune, August 16, 2017.

compared to the annual average rainfall of 19.33 inches.⁵⁶⁹ In January, 2017, the level of White Bear Lake was approximately 923 feet; in May, 2017, 923.8 feet; on August 24, 2017, 923.17 feet.⁵⁷⁰

None of this information appears in the body of the Court's Order because most of it occurred after the time of trial. It is included in this Memorandum simply to alert the reader that 1) the Court recognizes the large amounts of rain have fallen in the last several months; 2) the fact that 24 inches of rain has fallen in a 6 month period does not translate to an increase to the lake of that amount—or anything near it; and that 3) the findings of fact remain valid: that in the long term (years, decades) White Bear Lake levels are controlled mainly by groundwater fluctuations, and in the short term (monthly, seasonally) by precipitation and runoff.

30 August 2017

MMM



⁵⁶⁹ Weather Underground, August 29, 2017.

⁵⁷⁰ Minn. DNR website, August 29, 2017.



Utility Commission Meeting February 8, 2018

Agenda Number: 9

Subject: Current Sprinkling Regulations – Review

Documentation: None

Action / Motion for Consideration:

Receive Information / Discuss

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.



**Utility Commission Meeting
February 8, 2018**

Agenda Number: 10

Subject: Water Conservation - Implementation

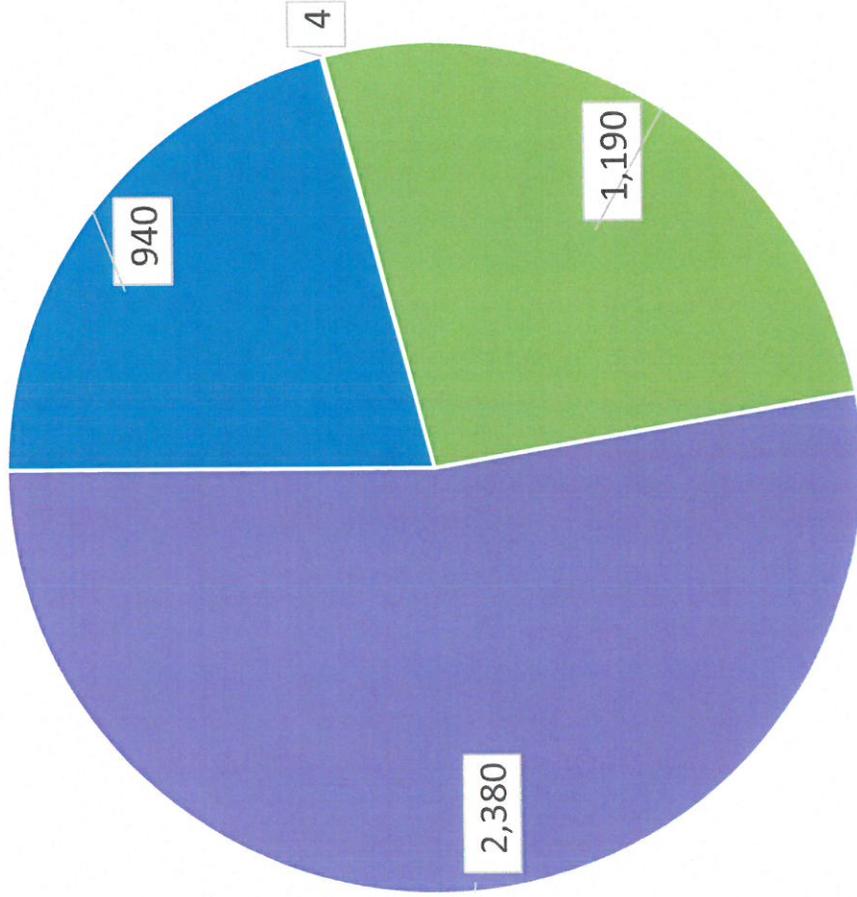
Documentation: Miscellaneous Information

Action / Motion for Consideration:

Receive Information / Discuss

Metropolitan Council Water Efficiency Grant Summary 2015-2017

Total Devices Replaced = 4,514

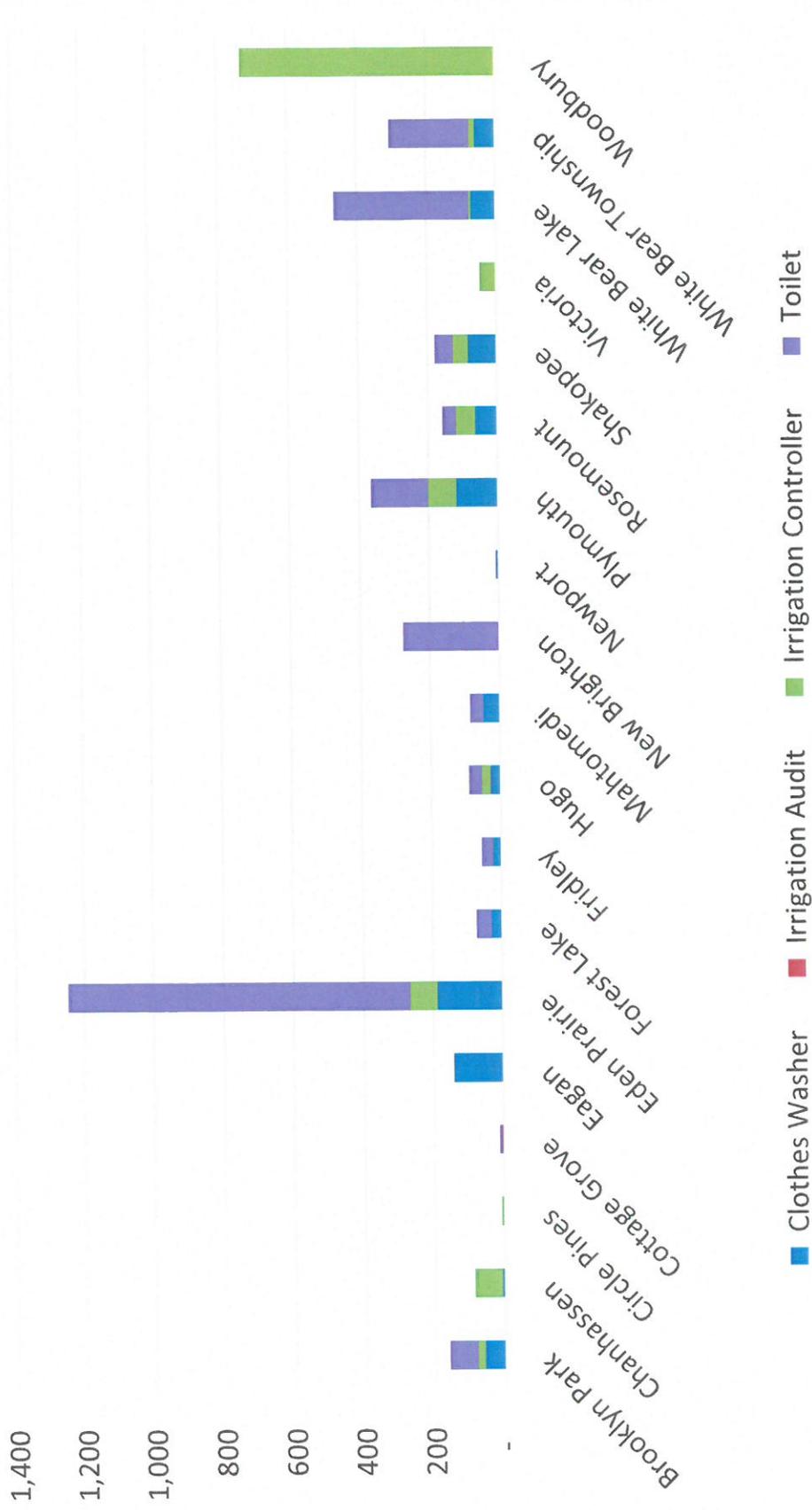


- Clothes Washer
- Irrigation Audit
- Irrigation Controller
- Toilet



Metropolitan Council Water Efficiency Grant Summary 2015-2017

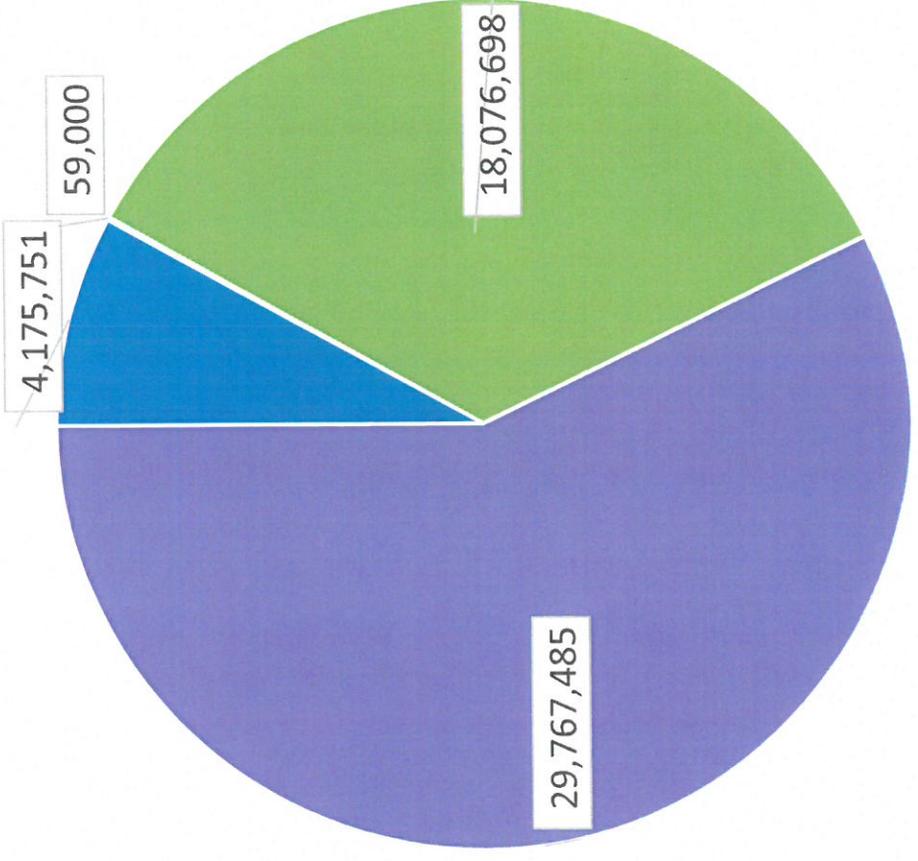
Number of Devices Replaced





Metropolitan Council Water Efficiency Grant Summary 2015-2017

Total Gallons Saved Annually = 52,078,934

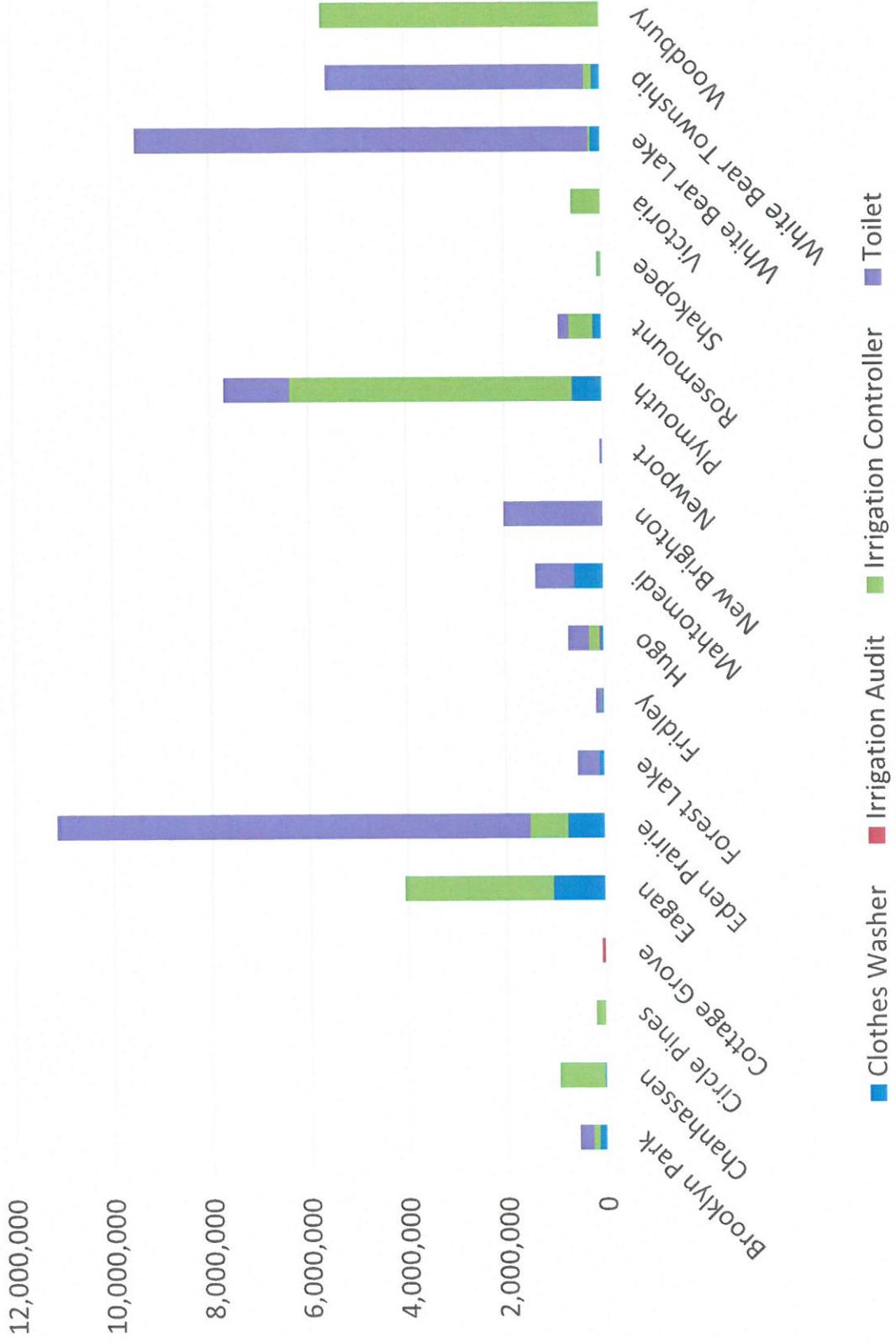


- Clothes Washer
- Irrigation Audit
- Irrigation Controller
- Toilet



Metropolitan Council Water Efficiency Grant Summary 2015-2017

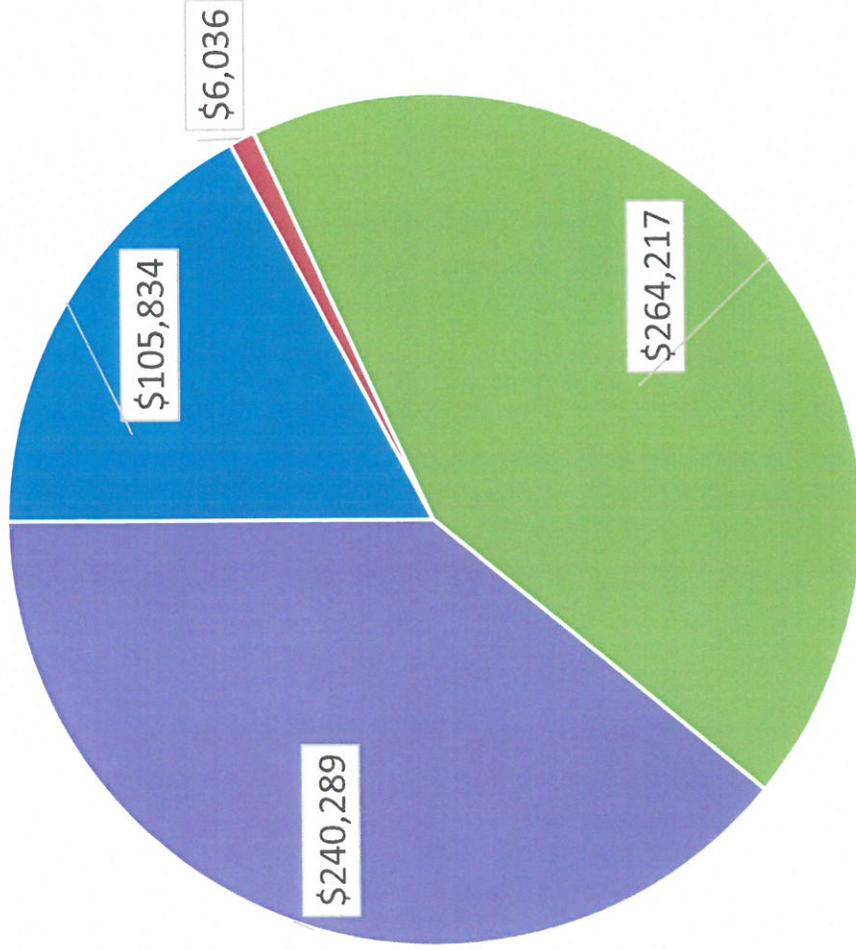
Number of Gallons Saved Annually





Metropolitan Council Water Efficiency Grant Summary 2015-2017

Total Grant Dollars Expended (Met Council + Cities)

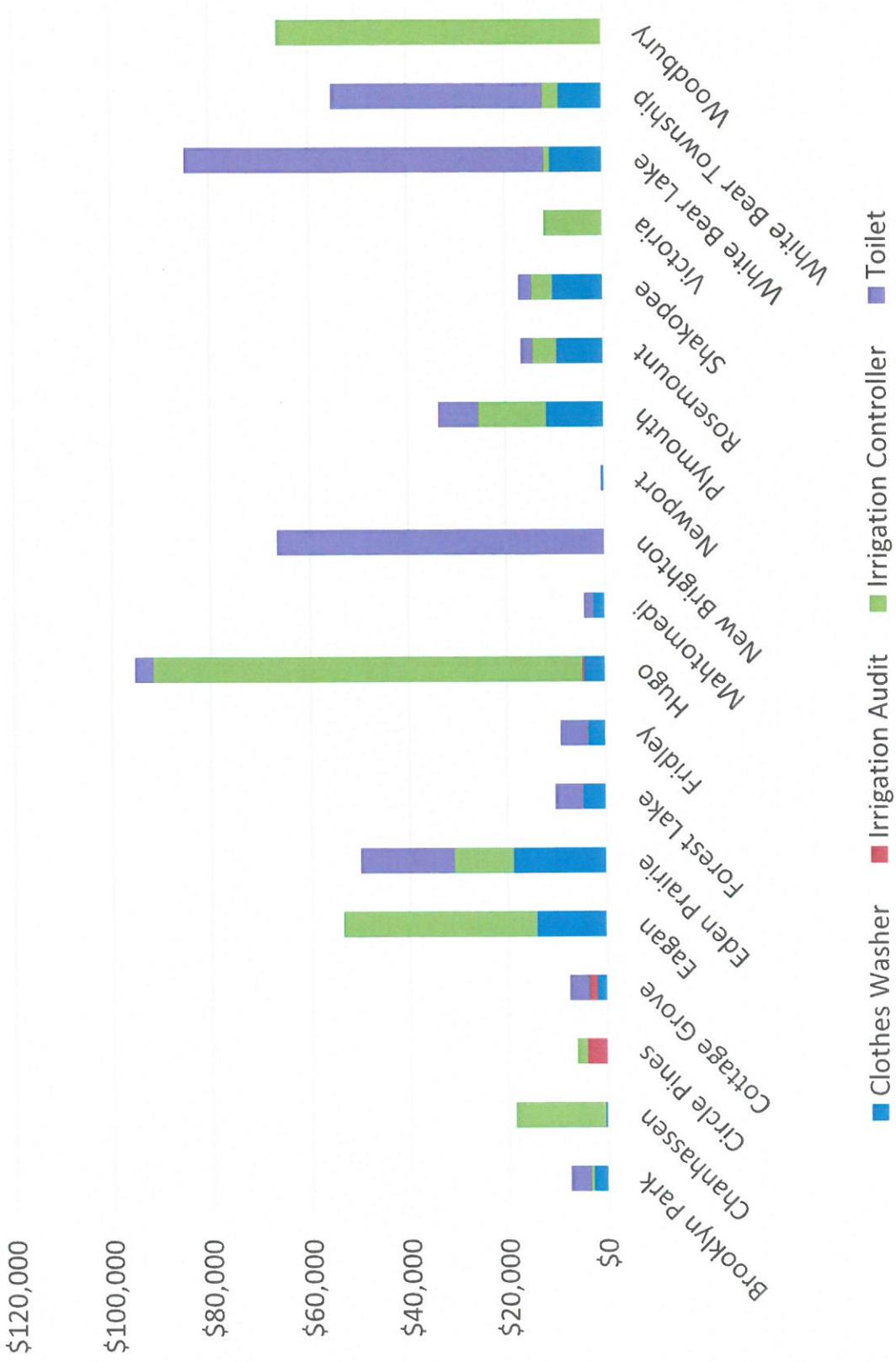


- Clothes Washer
- Irrigation Audit
- Irrigation Controller
- Toilet



Metropolitan Council Water Efficiency Grant Summary 2015-2017

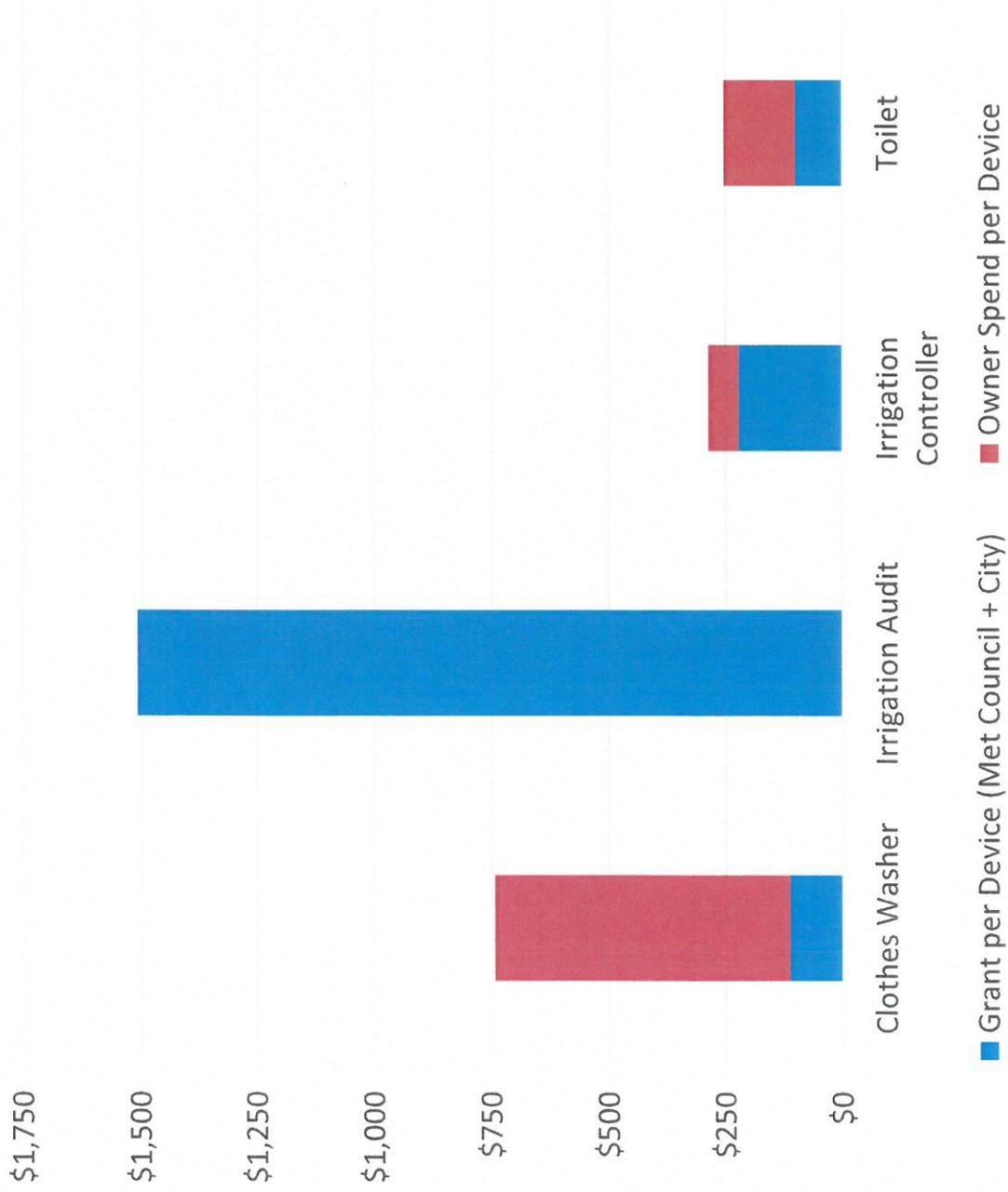
Number of Grant Dollars Expended (Metropolitan Council + Cities)



Metropolitan Council Water Efficiency Grant Summary 2015-2017



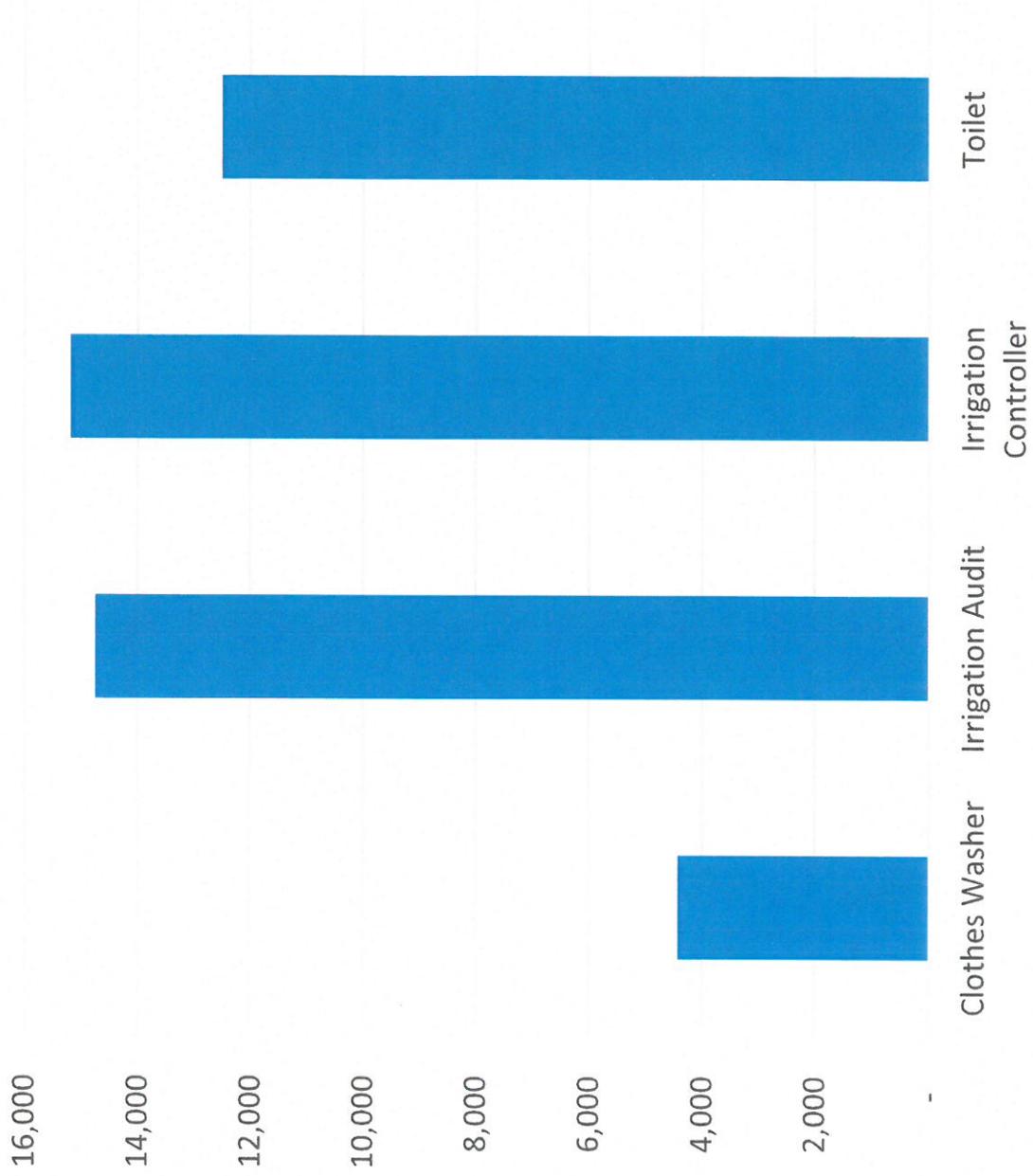
Dollars Spent per Device



Metropolitan Council Water Efficiency Grant Summary 2015-2017



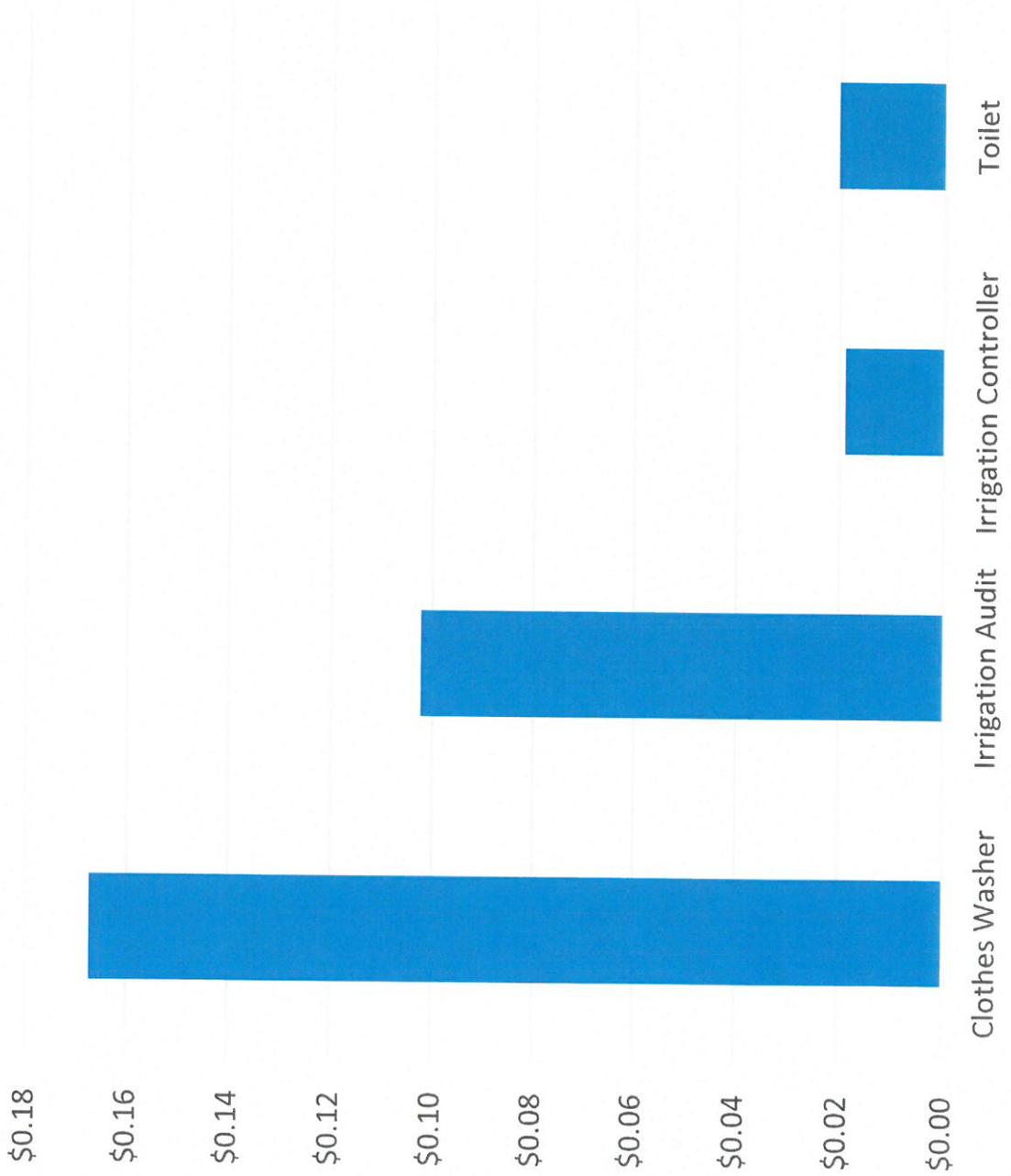
Water Saved per Device (Gallons per Year)



Metropolitan Council Water Efficiency Grant Summary 2015-2017



Total Dollars Spent per Gallons Per Year Water Saved





**Utility Commission Meeting
February 8, 2018**

Agenda Number: 11

Subject: Stormwater Projects – Review

Documentation: Public Works Director Information /
Finance Officer Information

Action / Motion for Consideration:

Receive Information / Discuss



Utility Commission Meeting February 8, 2018

Agenda Number: 12

Subject: Next Meeting Date – Agenda Items

Documentation:

Action / Motion for Consideration:

March 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	31

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**Utility Commission Meeting
February 8, 2018**

Agenda Number: 13 - 14

Subject: Added Agenda Items
Adjournment

Documentation: FYI Items

Action / Motion for Consideration:

Identified Storm

Updated 1/31/2018		
Name	Location	Issue
Outfall #5	West Bald Eagle and St. Anthony	Outfall needs to have sediment Outlet needs to have a flared en No measures currently to dissp Bald Eagle Lake
Outfall #6	East Bald Eagle and Park Avenue	Outfall needs a flared end secti erosion of lake bed due to flows existing outfall is 85% Town ow based on surface area drainage The Outfall has been identified treatment device, so grant fund
Outfall #9 (1987)	White Bear Parkway (Cortec Pond)	Outfall is submerged and storm half full of water. Lot's of tree d someone performing tree remo outfall.
Outfall #3	Hobe Court south	Pond that the outfall discharges order for the outfall pipe to drai events.
Outfall #16	Bellaire Beach	Pond #89 needs cleaning, lots o
Outfall #17	South Shore Boulevard	Rip Rap needs be rearranged al the first 30' beyond the outfall.
Outlet 35	East of Jenni Lane (1988)	Between 5537 and 5542 is the a It will be a challenge to remove rap. Steep grade to outlet.
Otterview Trail	From Otter Ridge Road north to Otter Lake Road	Complete project areas 4 and 5 Brandlwood Area Drainage Impr
Pond 29	Mallard Ponds Pkwy (north side)	Pond is full of vegetation and se Portland Avenue is full of sedim
Pond 19	Polar Bear Lane	Pond inlet pipe is full of sedimer ditch has over 300 cu yds of sed also be cleaned from Polar Bear
Pond 7	Southwest corner of Schwing America	Sediment over 50 %, two open c and need rehabilitation.
Pond 8	Southwest corner of Schwing America	Sediment over 50 %. Inlet and o
Pond 21	Norway Pine Drive and Red Pine Blvd	Both outlets to pond need sedin reestablished. Access from Red Pi with a screen wall near the outle
Pond 25	Norway Pine Drive (east pond that is east of Mallard Pond)	Inlet pipe needs trash grate clea and rip rap reestablished.
Pond 26	Norway Pine Drive (west pond that is east of Mallard Pond)	Pipes under Norway Pine Drive r Westerly on has sediment and b
Pond 33	East of Parkview Court	Is this a pond by design? The ori it is a pond it has a lot of sedime Portland Ave to Pond 34 needs t

Identified Storm

Pond 34	West of Parkview Court	Has obstructions placed in the need an engineering evaluation capacity. The inlet pipe is set lo
Pond 35	West of Fenway Court	Both inlets need sediment rem section. There is a sand bag ob
Pond 36	South of Parkview Drive	Clean inlet pipe of sediment an
Pond 9	East side of SMC near loading dock area.	Have SMC sweep loading dock wetland south of pond.
Pond 94	Southeast corner of Short St. and Portland Ave.	Property owner has dock on po edge.
Pond 30	South of Sandterra Court, on the west side of Portland Ave.	Outlet pipe from Sandterra nee discharge ditch to pond.
2082 Stillwater Street	Stillwater Street (south side)	Structure needs to be rebuilt
Lake Avenue (RC open space)	From dead end on north side to Bald Eagle Lake	Clean ditch to allow better flow
Lake Avenue & Overlake Road	From intersection west to Bald Eagle Lake	Reline or replace pipe and struc
Pioneer Lane Ditch Cleaning	Along railroad easement from Dillon Street to Lakeview A	Ditch has sediment and debris 1
Allendale Drive ditch cleaning	From wetland east of Allendale to railroad tracks	Ditch has sediment and volunte
Beaver Street Drainage	Between Bald Eagle Avenue East and Stillwater Street	Water ponding in various addre
Outfall #15	Whitaker Pond Outfall on Whitaker Street	Need to determine who's resp of White Bear Lake, Ramsey Cc
Park Avenue/Stillwater Street drainage	Private pond on northwest corner of intersection at Park Street and Stillwater Street	Longstanding project that was t by Dale Montgomery. The priva to drain the overflow. Town Eng survey to determine options.
Outfall #11	Pond View Lane	No flared end section or rip rap flows.
Outfall #8	Birch Pond	May require a flared end and rij during high flow events.
2581 4th Street	4th Street and Grand Ave	Ponding in driveway due to low residents property
Apple Tree Park	4399 Oakmede Ln.	elimanate ditch and pipe water southwest corner of the park. E stormsewer cover
2561/2581 4th St.	Drainage Ditch to Garden Creek	Culvert is failing under 4th St. a out going to the North to Garde
Total estimated project costs		
Stillwater Street Drainage Improvements	Stillwater Street Eagle Street to Otter Lake Road	Pending Ramsey County incorp Transporation Improvement Pla
Note 1 There is \$???.00 in funding available for 2018 for Stormwater Improvements. That amount is the balance after		
Note 2 More projects will be added in the future as more inspections are completed		
Note 3 Green indicates applied for grant \$\$\$		

Identified Storm

* Public Works staff will complete the work identified below as equipment and manpower will allow:		
Pond 37 (1990)	East of Franklin Avenue	Remove trash grate and clean f grate. Engineer check of sedime
Pond 2,3, and 5	East side of Schwing America	Clear brush at outlet on 2, clear inlet needs sump vac'd out on 5
Pond 6	Otter Lake Road (behind 5900 Otter Ridge Road)	Inlet needs to be cleared, outle Wooden weir needs to be repai
Pond 10	Southwest corner of SMC , near Centerville Road	Ramsey county needs to cleane empties into on the west side o storm pipe system to outlet.
Pond 12	Between property owner on east side of Brandlwood Park and the the park property.	The outlet flared end section ne from a tree removed years ago Brush pile near outlet also need
Outfall #1	County Road H-2	Adjust/add rip rap to outlet enc settled or eroded over the year
Outfall #4	Hobe Lane - Association's boat landing area	The outfall has been cleared of inlet will need to be located and during inspection.
Outfall #10	White Bear Parkway, north of Fox Meadow Park	Inlet side of pipe needs cleaning
Outfall #13	4249 Oakmede Lane	Sediment on outfall end that ne
Outfall #14	1380 Birchcrest	Reestablish rip rap at outfall.
Miscellaneous culvert replacement	various locations throughout the Town	Some smaller diameter culverts on inspections.
Outfall #12	4312 Pond View Drive	Trash grate needs cleaning
Ramsey County Public Works Projects:		
Outfall #2	Otter Lake Road	The outfall is buried by sedimer ditch within in the County road Maintenance Supervisor. He sai Town would then clean the stor and eventually to the pond loca property.
Completed projects:		
Taylor Avenue culvert replacement	Near 2472 Taylor Avenue	Culvert is in a deteriorated state who or when it was installed.
Gillfillan Hills Pond drainage valve	on east side of railroad tracks, just north of County Road 5	Control structure has leak aroun to travel west into North Oaks e under the RR tracks needs clear needs to clean the ditch it disch

Identified Storm

Barry Lane Sediment Basin	Near 5312 Barry Lane	Remove sediment and repairs has been reduced to less than currently out for bid
West Avenue Rain Garden	West Street and West Bald Eagle Blvd easement	Water Quality. Grant funding for estimated cost, the remainder This would provide a reduction Suspended Solids entering Bald
Hammond Road cul-de-sac structure repair	Near 1656 Hammond Road	Catch basin will need to be reset upon a RCP pipe that was torn from the catch basin, this impacts the pipe.
White Bear Parkway (west of Otter Lk. Rd.)	Near 4221 Otter Lake Road	The problem was identified late are 3 catch basin structures the current structures are offset from modifications during initial construction contributed to their current condition
Anderlie Lane	From H-2 south to Pleasant Court East, west of W. Bald Eagle	There is ponding water in the area submitted an email wanting review the existing conditions and then develop options to address presented to the Utility Committee

Balance of Storm Water Fund. (TK)

The Storm Water Utility Fund has a current cash balance of \$893,108.71 as of December 31, 2017. Of that amount, \$250,000.00 is reserved for the Stillwater Street drainage project. This leaves a balance of \$643,108.71 for current and future projects. Based on the new storm water rates the Town should collect revenues of \$533,245.00 in 2018 and have expenses (not including capital projects) of \$315,255.00. Based on those projections, revenues would exceed expenses by \$217,990.00, which when added to the cash balance of \$643,108.71, leaves \$861,098.71 for future projects.

Bill Short

From: Bill Short
Sent: Thursday, September 01, 2016 11:32 AM
To: Tom Riedesel
Subject: RE: Bald Eagle Boat Launch Project, Master Water Stewards

Thanks for forwarding,

Yes....

With Ramsey County's recent resurfacing of Stillwater St. between Bald Eagle Blvd. and Division, it looks like it will be a long time before we'll be taking on a comprehensive Stillwater St. stormwater project. Soooo, maybe the Utility Commission would be interested in designating a portion of the \$250,000 that they've set aside for that project to "other" Bald Eagle Lake water quality projects..? I'll discuss that with them next Thursday. If they are interested....maybe we could ask Samantha to attend one of their next meetings...

From: Tom Riedesel
Sent: Thursday, September 01, 2016 10:58 AM
To: Bill Short <Bill.Short@whitebeartownship.org>
Subject: FW: Bald Eagle Boat Launch Project, Master Water Stewards

Any thoughts?

From: Samantha Berger [<mailto:SBerger@ricecreek.org>]
Sent: Thursday, September 01, 2016 10:13 AM
To: Tom Riedesel <Tom.Riedesel@whitebeartownship.org>
Cc: Dale Reed <Dale.Reed@whitebeartownship.org>; Phil Belfiori <PBelfiori@ricecreek.org>
Subject: RE: Bald Eagle Boat Launch Project, Master Water Stewards

Hi Tom,

Thanks for your response, is there any update after the park meeting on the 18th?

The District is still very interested in helping to pursue and help fund a project in this location for the stormwater portion of the project. If it would be useful, we would be happy to work with the Township by participating in additional conversation with any committees by describing the goals of program, benefits of the project, process, and funding mechanism. Please let us know if that would be useful.

As you know, the goal of this project was to have it be a showcase project for our Master Water Stewards. As part of their program they are required to install a project, ideally in the first year. This was the main candidate for the project and if it doesn't seem like a feasible opportunity I am wondering if there are other projects that they/the District could help participate in that would be a priority for the Township and would still accomplish the water quality goals.

Feel free to call me to discuss, our Water Stewards are excited to get a project in the ground.

Thanks,

Sam

Samantha Berger,
Sberger@ricecreek.org
District Technician
Rice Creek Watershed District
4325 Pheasant Ridge Drive NE #611
Blaine, MN 55449-4539
Direct: (763) 398-3084
Cell: (612) 360-5043
www.ricecreek.org



Please consider following the RCWD on Facebook.

From: Tom Riedesel [<mailto:Tom.Riedesel@whitebeartownship.org>]
Sent: Friday, August 05, 2016 3:14 PM
To: Samantha Berger <Sberger@ricecreek.org>
Cc: Dale Reed <Dale.Reed@whitebeartownship.org>
Subject: RE: Bald Eagle Boat Launch Project, Master Water Stewards

Hi Sam,

The project had a preliminary review from our Utilities Commission. This Commission reviews storm water projects as part of their duties. They have a list of planned projects and will add this one to it. It was not placed at the top of their list, however.

The Park Board tour was postponed last month and is scheduled to take place on the 18th of this month. The storm water treatment portion of the project would be funded thru the Utilities Commission while the upgraded access to the lake would come out of the Park Access and Development fund. The Park Board will review the plan and consider adding it to the park improvement list also.

Work in progress... but looks like this project will not be pursued this year.

Tom

From: Samantha Berger [<mailto:Sberger@ricecreek.org>]
Sent: Friday, August 05, 2016 2:45 PM
To: Tom Riedesel <Tom.Riedesel@whitebeartownship.org>
Cc: Dale Reed <Dale.Reed@whitebeartownship.org>
Subject: RE: Bald Eagle Boat Launch Project, Master Water Stewards

Good Afternoon,

Happy Friday! Any update from the city on the project? Appreciate the follow-up.

Have a good weekend,

Sam

Samantha Berger,
Sberger@ricecreek.org

District Technician
Rice Creek Watershed District
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Blaine, MN 55449-4539
Direct: (763) 398-3084
Cell: (612) 360-5043
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Please consider following the RCWD on Facebook.

From: Tom Riedesel [<mailto:Tom.Riedesel@whitebeartownship.org>]
Sent: Thursday, July 14, 2016 8:35 AM
To: Samantha Berger <SBerger@ricecreek.org>
Subject: RE: Bald Eagle Boat Launch Project, Master Water Stewards

Thank you! I will give you an update soon.

From: Samantha Berger [<mailto:SBerger@ricecreek.org>]
Sent: Thursday, July 14, 2016 8:30 AM
To: Tom Riedesel <Tom.Riedesel@whitebeartownship.org>; 'gkrej@comcast.net' <gkrej@comcast.net>; michaelhermann032@gmail.com
Cc: Kyle Axtell <KAxtell@ricecreek.org>; Lochner, Joseph D (joseph.lochner@co.ramsey.mn.us) <joseph.lochner@co.ramsey.mn.us>
Subject: RE: Bald Eagle Boat Launch Project, Master Water Stewards

Morning Tom,

Thanks for the follow-up. Please let us know if you would like us present at any of the meetings.

Thanks,

Sam

Samantha Berger,
SBerger@ricecreek.org
District Technician
Rice Creek Watershed District
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Blaine, MN 55449-4539
Direct: (763) 398-3084
Cell: (612) 360-5043
www.ricecreek.org



Please consider following the RCWD on Facebook.

From: Tom Riedesel [<mailto:Tom.Riedesel@whitebeartownship.org>]
Sent: Wednesday, July 13, 2016 11:44 AM
To: Samantha Berger <SBerger@ricecreek.org>; 'gkrej@comcast.net' <gkrej@comcast.net>; michaelhermann032@gmail.com
Cc: Kyle Axtell <KAxtell@ricecreek.org>; Lochner, Joseph D (joseph.lochner@co.ramsey.mn.us) <joseph.lochner@co.ramsey.mn.us>
Subject: RE: Bald Eagle Boat Launch Project, Master Water Stewards

Sam,
Thank for the reminder! The Town's Park Board will be getting their first look at this next Wed. at our annual park tour. I think we will be ready to meet and discuss further after that meeting and the Town Board sees the concept plan on July 22nd.
Tom

From: Samantha Berger [<mailto:SBerger@ricecreek.org>]
Sent: Tuesday, July 12, 2016 4:50 PM
To: 'gkrej@comcast.net' <gkrej@comcast.net>; Tom Riedesel <Tom.Riedesel@whitebeartownship.org>; michaelhermann032@gmail.com
Cc: Kyle Axtell <KAxtell@ricecreek.org>; Lochner, Joseph D (joseph.lochner@co.ramsey.mn.us) <joseph.lochner@co.ramsey.mn.us>
Subject: RE: Bald Eagle Boat Launch Project, Master Water Stewards

Good Morning,

I wanted to touch base with the City to determine their thoughts on next steps for pursuing this project, we would of course welcome a meeting. Appreciate your response.

Thanks,

Sam

Samantha Berger,
SBerger@ricecreek.org
District Technician
Rice Creek Watershed District
4325 Pheasant Ridge Drive NE #611
Blaine, MN 55449-4539
Direct: (763) 398-3084
Cell: (612) 360-5043
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Please consider following the RCWD on Facebook.

From: Samantha Berger
Sent: Tuesday, June 28, 2016 4:11 PM
To: 'gkrej@comcast.net' <gkrej@comcast.net>; 'Tom Riedesel' <Tom.Riedesel@ci.white-bear-township.mn.us>; 'michaelhermann032@gmail.com' <michaelhermann032@gmail.com>

Cc: 'Kyle Axtell (KAxtell@ricecreek.org)' <KAxtell@ricecreek.org>; 'Jessica Bromelkamp (JBromelkamp@ricecreek.org)' <JBromelkamp@ricecreek.org>; Lochner, Joseph D (joseph.lochner@co.ramsey.mn.us) <joseph.lochner@co.ramsey.mn.us>

Subject: Bald Eagle Boat Launch Project, Master Water Stewards

Good morning,

Hope everyone is well. Attached you will find the Clean Water Plan for the Bald Eagle Boat Launch project just off Bald Eagle Lake. The numbers in this conceptual plan are just **rough estimates** to give you a general idea of what the project costs and grant awards might be. In general, we cap projects between \$5,000 and \$7,500, but have gone above these amounts in the past, depending on the situation and the project benefit. If you choose to pursue additional design work for the project, then a more concrete estimate would be established. In addition, contractor bids (generally 2 are required) will need to be obtained to determine estimated cost.

The next step would be for the City to discuss the Clean Water Plan with the Conservation District to discuss any design details or changes that may like to see in the final plans (pending we move forward with them). If the City does want to pursue any of the projects, then we would have you fill out the attached form and let us know if you would like to move forward with any or all of the projects. Then, we will review the numbers and start working on the construction drawings for any selected project.

Just remember that the grant awards are estimates and ultimately up to the Board about whether or not they would like to fund the project. Again, the District can be flexible on the grant awards depending on the likelihood of whether or not the project would be implemented due to cost. If there are any questions, please let me know.

Thanks,
Sam

Samantha Berger,
Sberger@ricecreek.org
District Technician
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Blaine, MN 55449-4539
Direct: (763) 398-3084
Cell: (612) 360-5043
www.ricecreek.org



Please consider following the RCWD on Facebook.

From: Lochner, Joseph D [<mailto:joseph.lochner@co.ramsey.mn.us>]
Sent: Wednesday, June 22, 2016 8:49 AM
To: Samantha Berger <Sberger@ricecreek.org>
Subject: Krejcarek- MWS

CWP attached-

Not sure how you wanted to do the cost share with this one. I itemized out the work between the lake access and the water quality work. Estimates are real rough, but should get us in the ballpark.

Joe Lochner | Conservation Design Specialist | Ramsey Conservation District | 1425 Paul Kirkwold Dr. | Arden Hills, MN 55112 | Office: 651-266-7273 | Fax: 651-266-7276

Stormwater Use – General Permit Guidance

Stormwater capture and use for irrigation and other uses can reduce the quantity and improve the quality of the stormwater that leaves a site. Many local governments, watershed districts, and other public and private organizations are pursuing stormwater reuse as a best management practice (BMP) to meet local government and state stormwater management requirements. Another benefit of stormwater use is that it can reduce the demand for drinking water supplies, particularly from groundwater sources.

Stormwater use is treated as a type of water appropriation under Minnesota law. However, there is now an incentive for this practice. Legislation adopted in 2014 directs the Department of Natural Resources to “**waive the water use permit fee for installations and projects that use storm water runoff** or where public entities are diverting water to treat a water quality issue and returning the water to its source without using the water for any other purpose, unless the commissioner determines that the proposed use adversely affects surface water or groundwater.” (MS §103G.271, subd. 6(g); emphasis added).

General Permit 2016-2002 is intended to encourage stormwater use for outdoor irrigation of landscaped areas, golf courses and athletic fields, and similar outdoor uses, and potentially for other uses such as fire suppression or vehicle washing.

Why is water use reporting necessary?

In order to manage Minnesota’s water supplies for sustainable use, the DNR needs up-to-date information on the full range of water sources and uses. Just as the DNR is required by law to monitor the amount of surface water drawn from lakes and streams and the amount of groundwater pumped from aquifers, the DNR is also required to track the amount of stormwater being used for various purposes. This information informs and supports our efforts to encourage conservation and efficient use of water supplies.

How does the general permit work?

The general permit is intended to streamline stormwater use reporting by MS4 communities that are reusing stormwater to meet the treatment requirements of their MS4 permits. (MS4 communities are those local public entities that own or operate a municipal separate storm sewer system in urbanized areas; there are currently about 235 such entities in Minnesota, including cities, counties, townships, large institutions, and watershed districts.) The general permit is intended for these communities, as well as the watershed management organizations and soil and water conservation districts that work with them.

The permit asks the following basic information about the stormwater use projects and facilities that the community owns, manages, or permits:

- Where is the facility located?
- How much water did the facility use in the previous year, measured on a monthly basis?

The general permit offers a more rapid, streamlined application process than an individual permit for a project or facility within the MS4 community. The DNR is usually able to issue a general permit authorization within a week.

The amount of stormwater used should be the amount necessary to meet the stormwater treatment performance standard for the site, as required by the MS4 permit. There is no fee when reporting the amount of water used; however, a one-time \$100 fee will be charged for each authorization under the general permit.

Use the permit with the following considerations:

- Stormwater is defined for the purpose of this permit as water that is generated by rainfall or snowmelt that causes runoff and that can be collected and stored.
- The general permit authorizes stormwater use for any allowable water use. We anticipate that most stormwater will be used for irrigation, including irrigation of residential landscaped areas, cemeteries, golf courses, athletic fields, and similar sites.
- Water that has been discharged into another surface water (including ditches) is no longer considered stormwater for the purpose of this permit. Any water drawn from a surface watercourse or water body may require an individual surface water appropriation permit.
- If stormwater is to be combined in a pond with water from another source that already has an appropriation permit – i.e., a well – only the stormwater use can be measured and listed under the general permit.
- Stormwater is part of the hydrologic cycle and may be an important source of water for streams and wetlands. Therefore, negative impacts to those surface water bodies must be avoided. If a project may cause negative impacts to those resources, an individual permit may be needed to allow a more detailed review.
- The local MS4 community (city, watershed district, etc.) must agree to be the permittee listed on the general permit. Of course, this would be the case for any stormwater facilities that the community owns or manages. If a private entity such as a homeowners' association or golf course wishes to use the general permit, they must coordinate with the MS4 community. In this case, the private entity would be listed as an agent on the permit. If not, the private entity can still apply for an individual permit and take advantage of the water use fee waiver.
- The use of the general permit must be consistent with any MPCA, watershed district or local government permits for the project or site.
- The use of stormwater for landscape irrigation is only one BMP among many, and may not be the best method for stormwater management on a development site. Stormwater use is most effective in combination with other BMPs such as rain gardens, permeable pavement, and similar techniques that maximize stormwater infiltration. The Minnesota Stormwater Manual,

maintained by the Minnesota Pollution Control Agency (MPCA), offers comprehensive guidance on appropriate stormwater management techniques.

- An operations plan for the management of water levels within the stormwater containment system is strongly encouraged. The plan should include standard operating procedures, application rates for irrigation, backup or supplemental water sources, and any overflow/bypass features of the system. Guidance regarding development of an operations plan is also provided in the *Minnesota Stormwater Manual*.

What is the process for authorization under the General Permit?

1. Open an account and apply for a new appropriation permit in MPARS. See the attached sample permit application (TBA) as a guide to the questions you will be asked to fill in. Make sure to identify stormwater as the water source.
 - Each stormwater installation requires a separate application and fee.
 - Identify the local government, watershed district or other MS4-permitted entity as the Permittee and identify a contact person. The Permittee can work with a private entity (a private landowner, for example) by identifying them in the application as an Agent with responsibility for water use reporting.
 - If you are a private landowner wishing to apply for the GP, check with your city or watershed district first to see if they are willing to coordinate with you. If so, you would add them to the application in MPARS as the Local Governmental Unit.
2. The application form asks the question “Is an alternative water source available if your water withdrawal is restricted due to low flow conditions?”
 - If you answer “yes,” you will be asked to upload a “Low Flow Contingency Plan.” This is simply a brief statement of what you will do if water levels in your storage facility drop below a certain level.
 - If the answer is “no,” you will be asked to agree to stop water withdrawals if notified by the DNR that surface water appropriations are being suspended due to low flow conditions.
3. The Hydrologist for your region will review the application and determine if it qualifies for the Stormwater General Permit. If it qualifies, you will receive an invoice with a one-time application fee of \$100. (Stormwater use is exempt from the annual water use fee.)
4. The review process for each application will usually take less than a week. The hydrologist will contact you with any questions.
5. You will be notified through MPARS of year-end reporting requirements.



Utility Commission Meeting February 8, 2018

Agenda Number: 11

Subject: Next Meeting Date – Agenda Items

Documentation:

Action / Motion for Consideration:

March 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	31

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**Utility Commission Meeting
February 8, 2018**

Agenda Number: 12 - 13

Subject: Added Agenda Items
Adjournment

Documentation: FYI Items

Action / Motion for Consideration:

SOLID WASTE ABATEMENT FROM COLLECTORS
REPORTED BY REPUBLIC SERVICES

FOR THE CITY OF: **White Bear Township**
REPORT PERIOD: **Dec-17**
HOUSEHOLD RECYCLING PARTICIPATION
Total number of possible recycling stops this month: 8,211
Number of actual recycling stops this month: 7,206
Participation: 88%

TOTAL WEIGHT COLLECTED FOR THIS MONTH:

RESIDENTIAL:

Newspaper	69,567
*includes mixed mail, magazines & phonebooks	
Glass	39,484
Cans	10,341
Cardboard- OCC	60,166
Plastic	8,461

TOTAL WEIGHT COLLECTED 188,019 Pounds

Republic Services certifies that the above stated figures are an accurate account and the reported information will not be used for abatement totals or reimbursements for any other city or recycling program.

Total Tonnage for 2017: 1160.9

January 9, 2018



2017

White Bear Township

	Lbs	Tons
January	366571	183.2855
February	289616	144.808
March	322254	161.127
April	327941	163.9705
May	385198	192.599
June	389681	194.8405
July	342851	171.4255
August	390640	195.32
September	319319	159.6595
October	353640	176.82
November	372119	186.0595
December	355440	177.72

2107.635 Total Tons 2017

Error- attached to WB Lake Data

	Lbs	Tons
January	184239	92.1195
February	160394	80.197
March	158529	79.2645
April	180764	90.382
May	238504	119.252
June	226795	113.3975
July	181519	90.7595
August	175640	87.82
September	177619	88.8095
October	221581	110.7905
November	228101	114.0505
December	188019	94.0095

1160.852

Corrected

October 31, 2017

Dale Reed
Public Works Director
White Bear Township
1281 Hammond Road
White Bear Township, MN 55110

RE: Ongoing Inflow/Infiltration (I/I) Program
Peak Hourly Discharge Goals

Dear Mr. Reed:

This letter provides information specific to your community for the Metropolitan Council Environmental Services (MCES) Ongoing Inflow and Infiltration (I/I) Program and does not require any action or response. Wastewater flows during 2018 will be compared to the I/I Goal(s) below to determine if your community discharges excessive I/I to the regional wastewater system.

The I/I Goal is the maximum allowable peak hourly discharge from each metershed to the regional wastewater system. Using community-specific wastewater flow and population growth data, the average adjusted daily flow is calculated for each metershed. The I/I Goal is equal to the adjusted average daily flow multiplied by the peak hourly flow factor, as shown below in million gallons per day (mgd):

Monitoring Period: Jan 1 – Dec 31, 2018			
Metershed	Adjusted Average Daily Flow (mgd)	Peak Hourly Flow Factor	I/I Goal (mgd)
M027	0.06	4.50	0.27
M039	0.93	3.70	3.43

All communities, including yours, that discharge wastewater to the metropolitan disposal system, will continue to be notified annually of I/I Goal(s), and monthly if measured peak wastewater flows are greater than 80% of an I/I Goal. Wastewater flow discharged from a metershed that exceeds 100% of an I/I Goal may result in a work plan assignment, which is the estimated investment to mitigate excessive I/I. Please see the table below for key dates of the Ongoing I/I Program related to the I/I Goal(s) above:

MCES communicates work plan assignments, if applicable	Communities submit work plans	MCES responds to work plan submittals	Communities implement mitigation projects
03/01/19	09/30/19	11/30/19	2020 – 2023

Thank you and your community for continued efforts to mitigate excessive I/I. More information on the Ongoing I/I Program is located at metrocouncil.org/Wastewater-Water/Planning/Wastewater/Inflow-and-Infiltration.aspx. Please email I.I@metc.state.mn.us or contact me at 651-602-1166 or Marcus.Bush@metc.state.mn.us with your questions or comments.

Sincerely,



Marcus Bush, PE
Principal Engineer, Environmental Services Community Programs

cc: Bill Short, Township Clerk, White Bear Township
Tom Kelly, Finance Officer, White Bear Township
Sandy Rummel, Metropolitan Council Member, District 11
Jeannine Clancy, Assistant General Manager, Technical Services

Broken water main at I-694 is replaced

Closed Sunday, freeway could open by weekend

By Mary Divine

mdivine@pioneerpress.com

The water main that broke Sunday morning in Oakdale and forced the closure of part of Interstate 694 has been replaced and only one resident remains without water, city officials said Wednesday.

An 11-foot-long crack in the pipe resulted in a leak of more than 1.5 million gallons of water and created a massive washout that is expected to keep I-694 between Minnesota 36 and Interstate 94 closed until the weekend.

Shawn Nelson, utilities superintendent, said crews were backfilling the site on Wednesday and that the city's repairs were on track to be completed by Friday.

"We actually are ahead of schedule on our end," he said during a news conference at Oakdale City Hall.

The city and the Minnesota Department of Transportation are coordinating efforts to repair the freeway.

"It could be (open) as early as this weekend," said Kevin Gutknecht, a MnDOT spokesman.

Nelson said he was "floored" when he saw the crack in the 12-inch water main.

"You don't appreciate it until you see it," he said. "This came out of nowhere."

He said crews are still trying to determine the cause of the crack.

The water main was installed in 1964— five years before the interstate opened — but age is not believed to be a factor, Nelson said.

heaving and movement caused by construction equipment and cars and trucks. It includes multiple layers— a pipe inside a pipe inside a pipe, he said.

"We've got 160 feet of 14-inch HDPE (high-density polyethylene pipe) inside of a 20-inch HDPE and then put that inside a 24-inch old concrete casing under the road," Nelson said. "I think we're going to have good stability."

How much the repairs will cost won't be known for several days, he said.

Between 1.5 million and 2 million gallons of water leaked from the main near the 15th Street overpass.

A resident of the 800 block of Hallmark Avenue called Oakdale police about 9 a.m. Sunday to report the leak after discovering water in her backyard. Nelson said crews had received an alert about three hours earlier that water pressure was dropping.

About 35 houses lost water service for several hours Sunday and about 6,000 houses experienced a loss of water pressure, Nelson said. There are about 11,700 households in the city.

As of Wednesday morning, only one resident was still without water, said Michelle Stark, a spokeswoman for the city.

"The city has provided him with bottled water and has arranged for accommodations to take care of his personal needs," she said.

About 87,000 cars use I-694 each day.

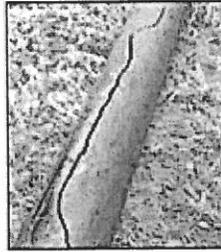
MnDOT has advised motorists to use the following detours: Northbound traffic should go west on I-94, then north on Interstate 35E; and southbound traffic should take Minnesota 36 west to I-35E and then south to I-94.

“Based on our findings, all joints and the casing appear to be in good condition,” he said. It appeared the pipe may have been leaking slightly before the incident.

Heaving that occurs in spring and fall because of temperature changes has caused similar cracks, he said, and a major road project in 2012 may have compromised the pipe.

“It occurred over time, and we’re at that place where we found out the time is up,” he said. “We made the choice to replace the whole stretch of main, and it was a good choice.”

The new main has been designed to withstand



An 11-foot-long crack compromised this 12-inch water main, which ran under Interstate 694 in Oakdale.

CITY OF OAKDALE

Oakdale

Thursday, 12/07/2017 Pag.A02

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