



City of Appleton

100 North Appleton Street
Appleton, WI 54911-4799
www.appleton.org

Meeting Agenda - Final-revised Utilities Committee

Tuesday, June 22, 2021

5:00 PM

Council Chambers, 6th Floor

1. Call meeting to order

2. Roll call of membership

3. Approval of minutes from previous meeting

[21-0858](#) Approval of the June 8, 2021 Utilities Committee Meeting Minutes.

Attachments: [June 8, 2021 Utilities Committee Meeting Minutes.pdf](#)

4. **Public Hearings/Apearances**

5. **Action Items**

[21-0859](#) Approval to single source and award 2021G Stormwater Consulting Services contract for design of the stormwater management practices for Oneida, Lawrence, Morrison, and Durkee Streets (south of College Avenue) and the YMCA parking ramp to McMahon Associates in an amount not to exceed \$40,000.

Attachments: [2021G Bluff Site Area Stormwater Design Award Memo.pdf](#)

6. **Information Items**

[21-0860](#) Approve wastewater rate adjustment for Holding Tank waste as prepared by Trilogy Consulting, LLC.

Attachments: [June 2021 Septage Rate Adjustment Memo.pdf](#)
[Recommended holding tank rates from Trilogy.pdf](#)

[21-0795](#) Department of Public Works Proposed Operational Changes.

Attachments: [DPW Proposed Operational Changes.pdf](#)
[Additional Info DPW Proposed Operational Changes.pdf](#)

[21-0861](#)

Monthly Reports for May 2021:
-Water Distribution and Meter Team Monthly Report

Attachments: [Water Main Breaks May 2021.pdf](#)

7. Adjournment

Notice is hereby given that a quorum of the Common Council may be present during this meeting, although no Council action will be taken.

Reasonable Accommodations for Persons with Disabilities will be made upon Request and if Feasible.

For questions on the agenda, contact Chris Shaw at 920-832-5945 or Paula Vandehey at 920-832-6474.



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100 North Appleton Street
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Meeting Minutes - Final Utilities Committee

Tuesday, June 8, 2021

5:00 PM

Council Chambers, 6th Floor

1. Call meeting to order

Chairperson Meltzer called the meeting to order at 5:00 p.m.

2. Roll call of membership

Present: 4 - Meltzer, Smith, Doran and Thao

Excused: 1 - Martin

3. Approval of minutes from previous meeting

[21-0793](#)

Approval of the May 25, 2021 Utilities Committee Meeting Minutes.

Attachments: [May 25, 2021 Utilities Committee Meeting Minutes.pdf](#)

Aldersperson Smith moved, seconded by Aldersperson Thao, that the Minutes of the May 25, 2021 Utilities Committee Meeting be approved. Roll Call. Motion carried by the following vote:

Aye: 4 - Meltzer, Smith, Doran and Thao

Excused: 1 - Martin

4. **Public Hearings/Appearences**

None

5. **Action Items**

[21-0794](#)

Approve update to Municipal Code Chapter 20, Article II Water Utility, creating new Section 20-42 Valving.

Attachments: [Municipal Code Chapter 20.pdf](#)

Aldersperson Smith moved, seconded by Aldersperson Thao, that the Report Action Item be recommended for approval. Roll Call. Motion carried by the following vote:

Aye: 4 - Meltzer, Smith, Doran and Thao

Excused: 1 - Martin

[21-0796](#)

Request Approval of the Electronic Compliance Maintenance Annual Report (eCMAR) for 2020 and Request the following Resolution be presented to the Common Council for approval:

Whereas, the City of Appleton manages, operates, and maintains a sewer collection system and wastewater treatment plant; and

Whereas, treatment efforts produce a liquid effluent and a biosolids that are returned to the environment; and

Whereas, the State of Wisconsin evaluates wastewater utilities throughout the State of Wisconsin through an electronic Compliance Maintenance Annual Report (eCMAR); and

Whereas, Appleton received the highest eCMAR score achievable; and

Whereas, the State of Wisconsin requests the Common Council pass a resolution accepting the eCMAR report;

Now, therefore, be it resolved by the City Council that the City of Appleton:

Article 1. Continue supporting the treatment and maintenance programs at the utility

Article 2. Continue planning efforts that will address and promote long term performance results at the facility.

Attachments: [2020 eCMAR UC memo .pdf](#)

[2020 eCMAR Validated.pdf](#)

Alderson Smith moved, seconded by Alderson Doran, that the Report Action Item be recommended for approval. Roll Call. Motion carried by the following vote:

Aye: 4 - Meltzer, Smith, Doran and Thao

Excused: 1 - Martin

6. Information Items

[21-0795](#)

Department of Public Works Proposed Operational Changes.

Attachments: [DPW Proposed Operational Changes.pdf](#)

This item was presented

7. Adjournment

The meeting was adjourned at 5:40 p.m.

Alderson Smith moved, seconded by Alderson Meltzer, that the meeting be adjourned. Roll Call. Motion carried by the following vote:

Aye: 4 - Meltzer, Smith, Doran and Thao

Excused: 1 - Martin

Department of Public Works – Engineering Division

MEMO

TO: Utilities Committee

FROM: Paula Vandehey, Director of Public Works
Sue Olson, Staff Engineer
Pete Neuberger, Staff Engineer

DATE: June 15, 2021

RE: Approval to single source and award 2021G stormwater consulting services contract for design of the stormwater management practices for Oneida, Lawrence, Morrison and Durkee Streets (south of College Avenue) and the YMCA parking ramp to McMahon Associates in an amount not to exceed \$40,000.

The Department of Public Works is requesting approval to single source and award 2021G stormwater consulting services contract for design of the stormwater management practices for Oneida, Lawrence, Morrison and Durkee Streets (south of College Avenue) to McMahon Associates in an amount not to exceed \$40,000.

Prior to this contract, McMahon Associates was awarded the 2019K contract for stormwater consulting services to develop and evaluate stormwater management alternatives on the referenced streets. Since that time, the City has committed to address the stormwater management requirements for the reconstruction of the YMCA parking ramp, adjacent to these streets. Combining the stormwater management practices for the streets and ramp results in a comprehensive stormwater model requiring less overall modeling and land to ensure efficient stormwater management.

Work under this contract will include:

- Recommend the necessary soil boring locations and criteria for the utility and paving work
- Update the XPSWMM model to evaluate the storm sewer system for peak discharge and surface ponding performance based on final design
- Update the WinSLAMM model to evaluate TSS and TP reductions for stormwater quality practices based on final design
- Evaluate construction feasibility due to other utilities
- Prepare a Stormwater Management Report
- Design the selected stormwater concept
- Prepare CAD drawings of the proposed stormwater management system
- Perform inlet capacity calculations
- Prepare an Operation and Maintenance Plan for the stormwater treatment practices
- Prepare an Erosion Control Plan for the street reconstruction work

- Prepare a WDNR Construction Site Permit application for the street reconstruction work
- Attend meetings and coordinate with various stakeholders

Based on the work McMahan has already completed for Hoffman and the City in this area, and their performance on past projects with the City, staff is recommending award of this project to McMahan Associates.



"...meeting community needs...enhancing quality of life."

Finance Department
100 N. Appleton Street
Appleton, WI 54912
920-832-6442

TO: Chairperson Vered Meltzer and Members of the Utilities Committee

FROM: Kelli Rindt, Enterprise Fund Accounting Manager
Chris Shaw, Utilities Director

DATE: June 18, 2021

RE: *Approve wastewater rate adjustment for Holding Tank waste as prepared by Trilogy Consulting LLC.*

BACKGROUND:

A Wastewater Rate Study was completed in 2020 by Trilogy Consulting LLC that resulted in an overall rate increase of 20% in rates for wastewater services. By State Statues the Wastewater Utility is required to accept and treat hauled sanitary waste. In the past the utility charged the same fee to treat both septage and holding tank waste, however the characteristics of these waste types are much different and the septage waste costs more to process.

Trilogy Consulting has updated the study with rates to better reflect the treatment costs of the different waste types. See attached information from Trilogy Consulting LLC.

RECOMMENDATION:

Approve Wastewater rates modification, effective as of April 1, 2021, of septage waste charged at \$10.20/ton and holding tank waste charged at \$1.75/ton both were previously charged as sanitary waste at \$4.40/ton. Should you have any questions regarding this project please contact me at phone: 832-6316.

Recommended Holding Tank Waste Rates

At present the rates charged to sanitary waste haulers are the same for septage and holding tank waste. The 2020 Sewer Rate Study recommended an overall increase to that rate for 2021, from \$4.40 per ton to \$10.20 per ton. However, the wastestrength for holding tank waste is generally much lower than septage. The following table shows the calculated rates for septage and holding tank waste using wastestrengths that are more typical of each type of waste stream. The adopted 2021 rate of \$10.20 per ton is appropriate for septage. However, a lower rate of \$1.75 per ton is recommended for holding tank waste. This rate equates to \$7.60 per 1,000 gallons. Holding tank rates per 1,000 gallons charged by area utilities range from \$2.91 charged by Neenah-Menasha to \$18.49 per 1,000 gallons charged by Green Bay. The proposed rate is similar to the \$6.58 per 1,000 gallons charged by Oshkosh or the \$8.00 per 1,000 gallons charged by Sheboygan. The projected rates for future years are based on the projected future rate increases of 4% per year.

	Units	2020 Rate	Proposed Rates - 2021	Projected Rates - 2022	Projected Rates - 2023	Projected Rates - 2024	Projected Rates - 2025	Projected Rates - 2026
Sanitary Waste Haulers								
Septage	\$/ton	\$4.40	\$10.20	\$10.61	\$11.03	\$11.47	\$11.93	\$12.41
Holding Tank	\$/ton	\$4.40	\$1.75	\$1.82	\$1.89	\$1.97	\$2.05	\$2.13
Per Load		\$9.45	\$11.30	\$11.75	\$12.22	\$12.71	\$13.22	\$13.75
Per Customer	per quarter	\$15.75	\$17.70	\$18.41	\$19.15	\$19.92	\$20.72	\$21.55



"...meeting community needs...enhancing quality of life."

MEMO

TO: Municipal Services Committee
Utilities Committee

FROM: Paula Vandehey, Director of Public Works
Nate Loper, Deputy Director - Operations

DATE: June 1, 2021

SUBJECT: Department of Public Works Proposed Operational Changes

BACKGROUND

The Public Works Department is recommending several operational changes to help meet DNR regulations, match customer expectations, address the loss of reliable contracted services, improve employee safety, and meet our operational goals. All of the changes outlined below work in conjunction with each other and line up well for implementation in 2022. It is important to understand that these recommendations cannot be successfully implemented individually, or in part, but instead need to be implemented as a package.

PROPOSED SERVICE CHANGES

Leaf Collection

The Department of Public Works is proposing to modify our leaf collection and street sweeping practices to move the needle towards our phosphorus reduction goals. Our current practice of placing and collecting leaves in the street creates an environment where phosphorus rich leachate drains into our storm sewer system and ultimately into our waterways. Too much phosphorus can lead to increased growth of algae which can be harmful to both animals and humans. In addition, our current leaf collection process is not supported by the DNR and therefore, does not provide us credit on our stormwater permit for this program.

We have evaluated several options to reduce our phosphorus load by improving our leaf collection program. Some of the options discussed were requiring our customers to bag their leaves, utilizing vacuum equipment, or requiring property owners to dispose of their own leaves. After much research and internal discussion, we have determined the most efficient, sustainable and customer friendly method of collecting leaves would be using vacuum equipment. Leaves would be placed on the terrace by each residential property owner and collected from the terrace with a remote-controlled leaf vacuum tube. Additional benefits of this process change are as follows:

- Provides a very clean end product on the streets
- Eliminates safety concerns with piles of leaves on the street
- Equipment is expected to be less disruptive than existing equipment
- Equipment does not scrape the roadway surface

As far as equipment needs for this process, we would retrofit 6 of our old automated garbage trucks by adding a vacuum unit to each truck. In addition, we would purchase 2 roll off dumpsters and up to 6 trailer vacuum units. We are recommending phasing this new process over 5 years (2022-2026) to help spread out the financial impact to the Stormwater Utility. Below are the estimated costs to implement this new process:

<u>Year</u>	<u>Equipment Purchases</u>	<u>CEA Payments</u>	<u>Total Cost</u>
2022	\$325,000	\$95,400	\$420,400
2023	\$365,000	\$60,240	\$425,240
2024	\$435,000	\$60,660	\$495,660
2025	\$450,000	\$62,856	\$512,856
2026	\$300,000	\$43,344	\$343,344

Brush Collection

The downside to using vacuum equipment is the units will only suck up leaves and dry, light plant material. We could continue providing a brush and yard waste collection service, but it will need to be collected separately, by hand, and will require either adding staff and equipment or modifying existing services to free up staff time and equipment.

Our proposal is to enhance our brush and yard waste collection program for our customers by offering this collection monthly from April through November. Each residential customer would have their bagged and/or bundled yard waste (no grass) collected once per month on a week opposite of their recycling collection, and twice in April. This change will provide our customers with an enhanced level of service since we currently only collect brush four weeks during the spring. It will also provide a more consistent workload for our collection crew. Based on the additional changes proposed below, this enhanced service would not increase our budget and would be done with existing staff, if all recommendations in this memo are approved.

Bulky Item Collection

In order to provide any type of a brush collection service without adding staff, we need to eliminate or modify an existing service. We researched several communities across the State and compared our services to theirs. It appears that we are the only community offering a regular, free bulky item collection. Therefore, we looked at finding a way to align our service level with other municipalities freeing up resources to perform brush collection and winter snow removal.

We are proposing to make a shift from a 12-month, free bulky item collection to a scheduled, paid collection 8 months each year (April through November). Eliminating the bulky item collection during the winter months not only frees up staff for snow and ice services, but also eliminates the most hazardous time of year for staff to provide this service. Each residential property could schedule a collection for up to 5 approved (see attached chart) bulky items at \$10 each, once per month on non-brush collection weeks. We would also propose to add a recycling dumpster at our Glendale Avenue yard site for City residents to utilize for disposing of items that are accepted in their blue cart but do not fit, in addition to the garbage dumpsters that are currently available.

Another reason for making a change to this service is there are several other options for residents to dispose of larger items. Options include paying a mattress or appliance company a small fee to take away an old item when getting a new one delivered, renting a dumpster when remodeling a home or moving out, placing items for sale or “free for the hauling” on social media sites, donating items to the Restore, or hauling items to our yard site or the County Solid Waste facility. If none of these options are favorable to a customer, they can call our office to schedule a bulky item collection with us. Non-compliant items will be removed for a fee, which is being proposed at \$250, to help encourage property

owners to keep their terrace and neighborhood clean and free of garbage. This fee will also help cover part of our costs for removing non-compliant items from the terrace.

	CURRENT	PROPOSED
Revenues		
Move Out Fee	\$ 3,750	\$ -
Appliance Tag Fee	\$ 18,000	\$ 12,000
Non-Compliant Fee	\$ -	\$ 2,500
Bulky Items Fee	\$ -	\$ 16,000
TOTAL Revenue	\$ 21,750	\$ 30,500
Savings		
Truck fuel (Dec-Mar)	\$ -	\$ 8,000
Tipping fees (Dec - Mar)	\$ -	\$ 13,000
TOTAL Savings	\$ -	\$ 21,000
Expenses		
Increase 0.5 FTE to 0.67 FTE	0	\$ 8,800
TOTAL Expenses	\$ -	\$ 8,800
TOTAL	\$ 21,750	\$ 42,700
Overall Annual Savings		\$ 20,950

This change would take effect April 1, 2022 when we start our new brush collection service. The increase in Sanitation FTE is necessary to provide both the 2 rounds of brush and 1 round of bulky item collection in April each year. Please see the comparison chart attachment for services provided by other municipalities and more details related to our recommendation.

Sidewalk Snow Removal Insourcing

Our current 5-year sidewalk snow removal contract expires in May 2022. For at least 20 years, we have had the same contractor(s) working for us with no other company submitting a bid for this service. When we went out for bids 4 years ago, our contractor was very forthcoming with us and gave us 5 years notice of their retirement and intent to no longer bid on this contract.

Over the past 4 years, we have been trying to figure out how we can generate interest from more bidders to ensure we have a sustainable, reliable snow removal plan in place for many years to come. After reviewing several options, we have determined fall of 2022 is the ideal time for Public Works to insource this work, after our current contract expires. The timing for this is perfect, if the changes above are approved, since we plan to utilize our brush/bulky item collection crew for some of this snow removal work from December through March.

The current contract utilizes two companies responsible for approximately 18 miles of sidewalk and 175 crosswalk, stairwell, and median locations. This is more work than our existing staff can take on internally, so we are proposing the following changes to our sidewalk snow removal program:

- Eliminate sidewalk contract, for a savings of approximately \$180,000 annually
- Purchase 1 large sidewalk tractor, 2 Tool Cat machines and 4 snow blowers, for \$304,000. Payback on these equipment purchases is 8 years.
- Downtown area will remain status quo. This work will continue to be contracted out and the service levels should remain the same.
- Convert our 2 utility locator positions from 0.67 FTE to 1.0 FTE each. They are currently laid off December through March and going full time will align well with our winter snow removal staffing needs and help with employee attraction and retention.

- Continue maintaining all 18 miles of sidewalks that are currently contracted out
- Reduce the crosswalk locations that the City has been clearing from 175 to approximately 60 by:
 - Continuing to maintain all foot bridges and stairwells
 - Continuing to maintain all median/island and railroad crossings
 - Focusing resources on critical crossing guard locations
 - Educating community that property owners are responsible to maintain the handicap access that abuts their property (current City Municipal Code Section 16-10)
 - Transferring bus shelter responsibility for snow removal back to Valley Transit

	CURRENT	PROPOSED
Revenues		
Snow removal special assessment	\$ 133,000	\$ 133,000
TOTAL Revenue	\$ 133,000	\$ 133,000
Savings		
Contracted services	\$ -	\$ 180,000
TOTAL Savings	\$ -	\$ 180,000
Expenses		
Additional CEA	\$ -	\$ 55,000
Additional Equipment O&M		\$ 27,000
Increase 0.67 FTE to 1.0 FTE	\$ -	\$ 60,000
TOTAL Expenses	\$ -	\$ 142,000
TOTAL	\$ 133,000	\$ 171,000
Overall Annual Savings		\$ 38,000

SUMMARY

The above outlined plan will help the City of Appleton meet DNR regulations, match customer expectations, address the loss of reliable contracted services, improve employee safety, and meet our operational goals. As a package, the plan has the following customer impacts:

- Reduced phosphorus to our waterways
- Leaf collection from terrace separate from other yardwaste
- Curbside brush collection monthly from May through November and twice in April
- Elimination of free bulky item collection
- More equitable clearing of handicap access ramps across the City
- More reliable, cost-effective snow removal service

All the budget impacts related to the proposed changes in this memo will be included in our 2022 budget requests. Upon final budget approval in November, we will implement a communication and educational strategy to inform our customers about the changes that will be starting in April, 2022. This communication will include social media, our City website and an updated Public Works Guide that will be released in late March, 2022.

Attachments

Municipal Collection Services Comparison Chart

Community	Trash Collector	Method	Curbside Overflow Bagged Trash Policy	Curbside Bulky Item Policy	Items Collected	Items Not Collected	Non-Compliance Collections	Bulky Waste Drop-off Center	Curbside Brush & Yard Waste Collection
Appleton - Current	City	Automated	Yes, \$4.00 disposal sticker must be affixed to each bag taken	Yes, collected bi-weekly on regular garbage day, opposite week of recycling. Fee for appliance collection. No construction or contractor debris.	Large items that don't fit in cart.	Pool tables, pianos, other very heavy items	\$75	Yes	Spring & Fall
Appleton - Proposed	City	Automated	Yes, \$4.00 disposal sticker must be affixed to each bag taken	Monthly, April through November. 5 items max per month. \$10 per item, paid and scheduled in advance.	Typical home furniture, recliner, couch, bed frames, doors (not patio), tables, TV stands, rugs, carpets (cut to 4 feet and bundled), small metal (4 foot or less), tires. Weigh less than 50 pounds.	Appliances, electronics mattresses, sofa sleepers, construction/remodeling/building materials, glass doors, bay windows, hot tubs, pools, trampolines, exercise equipment, basketball hoops, tractor tires.	\$250	Yes. Appliances, metal garbage, tires and recycling accepted.	Monthly, April through November. No grass collected curbside.
DePere	City	Automated	Yes, extra bags taken outside the cart during traditional holiday weeks. Rest of year, \$2.00 overflow tag must be affixed to each bag taken.	Yes, 1 week in June and 1 week in September. Must schedule and pay fee for collection other 50 weeks of the year. Charges vary, minimum \$40 fee.	Furniture, carpet, doors, metal, windows, doors.	Construction materials and debris, freon appliances, bagged trash.	No	Yes	3 times per year: May, July, and October. No fee. Must schedule and pay fee for collection rest of the year. Charges vary, minimum \$40 fee.
Eau Claire	Contractor	Property owner required to contract individually with approved waste hauler	Per individual contract with waste hauler.	Must contact and pay private hauler	Must contact and pay private hauler	Must contact and pay private hauler	Must contact and pay private hauler	No	Yardwaste collected 1 week in May and 1 week in November. 10 bags free, then \$2.50/bag. No brush collected.
Fond du Lac	City	Automated	Bags outside cart are only collected as bulky items for a minimum \$40 fee.	Yes, \$40 minimum charge plus charges for appliances, tires, etc. Extra charges for non-scheduled items.	Appliances, furniture, bagged trash	Tires and freon require additional fee.	No	Yes	Fall only. Small amounts of plant material only. No grass, brush, fruits or vegetables collected.
Grand Chute	Contractor	Automated	No bags outside of cart will be collected.	4 collections per year provided by private hauler.	Furniture, carpet (4' sections), tables.	Appliances, construction materials, bagged trash.	No	No	Brush chipping 1 week in May and September. No grass or yard waste collected.
Green Bay	City	Automated	Yes, up to 4 extra bags taken outside the cart during 4 scheduled weeks per year.	Yes, 2 scheduled weeks per year, 2 CY max. Other 50 weeks of the year, \$80 minimum charge per trip up to \$240.	Furniture (indoor & outdoor), metal objects, etc.	Appliances, construction/remodel materials (including carpet), move out debris	\$240	Yes, 2 drop-off centers. No fee. No construction or contractor debris.	Spring & Fall. No grass collected.
LaCrosse	Contractor	Automated	Yes, must schedule. Fees apply.	Once per year in Spring. 5 items max. Other weeks must contact and pay private hauler.	Furniture, etc.	No appliances or construction materials.	No	No	Contract individually with private hauler, if want the service. Brush collected one week in the spring.
Menasha	City	Automated	Yes, \$1.00 overflow sticker must be affixed to each bag collected	Yes, each residential property gets 5 bulky item tags per year. Additional tags cost \$15 each. Freon appliance collection is \$15.	Large items or bags of trash with stickers.	NA	No	No	Brush collected monthly. Yardwaste collected in the Spring & Fall. Must use paper bags. Grass collected.

Municipal Collection Services Comparison Chart

Neenah	City	Automated	No program	Yes, no charge during even numbered months. Residents must contact City to request collection. Dumpster rental or \$105 minimum charge for other months.	Furniture, carpeting, doors, windows.	Appliances, bagged trash.	Dumpster rentals	Yes, \$25 punch card good for 5 items per year.	Brush collected monthly, June through November. Yard waste collected spring and fall. No grass collected. Must be bagged or bundled.
Oshkosh	City	Automated	Yes, \$10 overflow sticker must be affixed to each bag collected.	Yes, with scheduled pick-up. \$13 metal items; \$15 large items; \$23 appliances; no electronics. Items without paid sticker will be tagged. Items still not removed will be collected for \$240 fee.	Furniture, appliances, metal, carpeting	NA	\$240 each. Do less than 10 enforcements per year. College City with lots of rentals.	No	Monthly, April through December. 3" diameter brush or smaller. No grass collected.
Racine	City	Semi-automated; rear-loader	3 extra bags each week	5 bulky items per collection with a sticker on each.	Items too large to fit in cart.	Construction materials, toilets, cabinets, sinks, counters, windows, doors. No appliances, metal, electronics or tires.	No	Yes	Spring and Fall only. May bring to City yard waste facility year-round.

Sec. 16-9. Obstructing passage.

(a) No unauthorized person shall stand, sit, lie, remain or otherwise occupy any street, sidewalk or other public way open for pedestrian or vehicular travel in such a manner as to annoy or molest any pedestrian thereon, or so as to obstruct or unreasonably interfere with the free passage of pedestrians, motor vehicles or other modes of travel. No person shall stand or remain at or near the entrance to any public or private building in such a manner as to annoy persons entering or leaving or passing such entrance. No person shall stand, sit, lie, remain or otherwise occupy any motor vehicle without permission of the owner.

(b) No kiosk, bulletin board or other decorative object shall be placed upon the street right-of-way except upon benches or other seating facilities provided for such purposes by the City.

(c) Sandwich board/temporary signs may be placed in the street right-of-way in conformance with the City of Appleton Sandwich Board/Temporary Sign Policy. (Code 1965, §5.07(1)(d), Ord 164-07, §1, 12-25-07)
Cross reference(s) – Citation for violation of certain ordinances, §1-17; schedule of deposits for citation, §1-18

Sec. 16-10. Snow and ice removal.

(a) Every person shall, no later than thirty-six (36) hours following cessation of a snowfall, remove all snow and/or ice from the entire width of the sidewalk along the entire perimeter of the premises owned or occupied by him, including any handicap access ramps along the perimeter of the premises; provided that, immediately after the accumulation of ice on such sidewalk, it shall be treated with sand, salt or other substance to prevent it from being slippery. The ice shall continue to be so treated in such a manner as to prevent the ice from being dangerous until it can be removed and shall then be promptly removed. If the owner or occupant of such premises shall fail to remove and keep removed, such snow and ice or to sprinkle a sidewalk as required, the work shall be done under the direction of the Common Council and the expenses thereof made a special tax upon the lot along the entire perimeter of where such work was done.

(b) No person shall remove or cause to be removed any snow or ice from his premises, residence, parking lot, parking area, business property or other area onto any public right-of-way or property. Snow removed from public sidewalks shall not be stored in any manner which will obstruct or limit vehicular or pedestrian vision, movement or access. Snow accumulations on sidewalks and handicap ramps resulting from street snow plowing operations shall be removed by the owner of the abutting premises in accordance with the provisions of this section.

In those instances where insufficient space exists between the sidewalk and street for the storage of all snow removed, it shall be stored on the abutting premises.
 (Ord 25-17, §1, 3-21-17)

(c) The deposit of any snow or ice upon any sidewalk alley or street of the city contrary to the provisions of this section is a nuisance, and in addition to the penalty provided for violation of this chapter, the City may summarily remove any snow or ice so deposited and cause the cost of the removal to be charged to the owner of the property from which the snow or ice has been removed.
 (Code 1965, §5.10; Ord 155-10, §1, 10-26-10; Ord 98-13, §1, 11-26-13)

Cross reference(s) – Citation for violation of certain ordinances, §1-17; schedule of deposits for citation, §1-18.

Sec. 16-11. Compliance with City plans and specifications.

All streets and alleys shall be graded, graveled, paved or improved, all sidewalks shall be constructed or rebuilt, and all underground utilities in public streets, alleys and public grounds, all bridges, and all other public works of any kind whatever shall be built, constructed, erected or completed according to the plans and specifications kept on file in the office of the Director of Public Works. Such work shall be done in a manner and of the materials the specifications prescribe. Said work shall be completed in accordance with the requirements set forth in the City's *Temporary Traffic Control Manual for Street Construction and Maintenance Operations in the City of Appleton*, latest edition.
 (Code 1965, §5.06; Ord 143-05, §1, 12-13-05)

Sec. 16-12. Work in public right-of-way – permit.

(a) **Administrative authority.** Permits shall be issued by the Engineering Division of the Department of Public Works.

(b) **Fee; commencement of work without permit.**

- (1) An established permit fee in the amount which is on file in the Department of Public Works shall be paid for each permit issued under this section. If work is commenced before a permit is obtained and the permit request is denied, the Director of Public Works shall order the work ceased or the condition removed until a permit is obtained, for which the applicant shall pay a fee of four (4) times the established fee.
- (2) If a permit is denied, the Director of Public Works or the Common Council may cause any offending conditions to be removed or



MEMO

TO: Municipal Services Committee

FROM: Paula Vandehey, Director of Public Works
Nathan Loper, Deputy Director Operations

DATE: June 17, 2021

SUBJECT: **Additional information pertaining to proposed changes to DPW operations, along with proposed MODIFIED plan.**

Following is additional information as requested by the members of the Municipal Services and Utilities Committees regarding the Department of Public Works proposed changes to operations, along with a proposed MODIFIED plan:

1. Under the proposed plan, will there be a designated week once a month residents will get brush collection?

Yes, there would be a designated week each month May through November, plus 4 weeks in April.

2. Could a second brush collection be scheduled for October or November like April has?

Only if we don't collect overflow since this is the same truck and crew picking both items.

3. If we don't do the monthly yardwaste collection as proposed between the spring and fall collections, what would this staff be assigned to do?

They would be picking bulky items if not picking brush. See Modified Plan at end of memo.

4. What if we find that monthly yard waste pickup volumes wane substantially during the late summer? Would/could we reduce that offering and if so, what impact might that have on staff, equipment and any additional costs or savings?

Our determination is this collection will be fairly consistent all season, which is what other communities have experienced. This allows customers to do their trimming and yard work on their own schedule. If the volume turns out to be really low, we could pull the crew off towards the end of the week and assign them to other tasks.

5. What are the impacts if we do not change our method of leaf collection?

Our Stormwater Management Permit through the Wisconsin Department of Natural Resources (WisDNR) requires that we develop a plan to reduce our phosphorus load to ultimately meet our Total Maximum Daily Load Target per drainage area or “reachshed.” Each reachshed has a different target as established by WisDNR (see attached Exhibits 1 & 2). One method to help us work towards meeting our target goal is to collect leaves from the terrace instead of placing them in the street. If we continue to collect our leaves as we are, then we will need to find additional ways to work towards meeting our target goal.

Because phosphorus causes excessive algae growth which can destroy other life forms found in our waterways, we should do everything we can as a community to help keep our waterways clean and healthy.

6. For leaf pickup, do we incur any additional costs anywhere for not being in compliance with the DNR on our phosphorus levels?

No. Our permit requires us to show a plan towards continuous improvement. Converting to terrace collection versus street collection is part of our current City-Wide Stormwater Management Plan update being developed at this time. However, not showing continuous improvement could reduce our grant opportunities.

7. Does WisDNR have any programs to help with the costs of going away from putting leaves in the road?

None that we are aware of. However, we continuously apply for WisDNR grants as they become available so we will watch for any opportunities for funding.

8. For 2022 and the next few years, will leaf collection be a hybrid claw and vacuum collection until all of the proposed vacuum units are purchased?

Yes, we anticipate a 5-year phase in plan to convert entire City to vacuum collection.

9. How do the CEA payments come into play for each of the years of equipment purchase? Does that mean the CEA contributes that much from its budget toward those purchases?

CEA payments are from stormwater budget to CEA to fund the next leaf collection unit(s).

<u>Year</u>	<u>Equipment Purchases</u>	<u>CEA Payments</u>	<u>Total Cost</u>
2022	\$325,000	\$95,400	\$420,400
2023	\$365,000	\$60,240	\$425,240
2024	\$435,000	\$60,660	\$495,660
2025	\$450,000	\$62,856	\$512,856
2026	\$300,000	\$43,344	\$343,344

10. The purchase prices vary for each of the five years of proposed buying. Is that due to differing amounts of equipment purchased in each of those years?

We are purchasing different types and amounts of equipment throughout the 5 years. To save money, we are converting our old automated garbage trucks for the first 6 units. Then we plan to purchase 2 roll-off units for our 2 roll-off trucks and then will purchase trailer units after that.

11. What happens to the claw attachments when we no longer need them for leaf collection? Do we sell them or do they have other uses?

We will continue using these for cleaning up large amounts of storm debris, large Christmas trees in January and may pick some larger leaf piles off the terrace with them.

12. Would the cost of having people bag their leaves and having staff pick up those bags be higher or lower than the cost of vacuuming them off the terrace?

Cost would be lower since we would not have to purchase and maintain the leaf vacuum equipment. The process of collection would be slower since it would be a manual collection and we only have 3 trucks to load the bags into. We would only be able to do 2 rounds instead of 3 per year.

13. Can you guess how much of fall leaf collection is actually not debris the vacuum could collect?

We currently only keep track of the volume of leaves collected. We estimate less than 10% of the volume collected is not leaves.

14. Any concerns about some debris being just large enough to be sucked in and damage the equipment?

No, if the vacuum can lift it, it will make it into the truck.

15. Would there be additional savings if the City only collected leaves in fall and residents hauled other yardwaste to the sites?

There would not be realized savings as we would assign this staff to other tasks.

16. What would be the cost to continue clearing all crosswalk locations?

The additional cost to clear all crosswalk locations on our list (which is a small percentage of the crosswalks citywide) would be \$100,650 for 4 part-time employees and associated trucks and snow blowers. This would be a very challenging option as part-time, reliable labor is extremely difficult to find at this time.

17. What would be the additional cost to keep status quo with sidewalk snow removal and bulky overflow?

If we don't change bulky item collection and continue this service in the winter, we won't have a crew to clear the 18 miles of sidewalks during the winter months (December through March). If we continue picking these items (bulky items, appliances, metal, non-compliance piles, etc.) during the winter months, we need to add 2 additional employees during the winter.

- o Cost for labor is \$60,000. This is in addition to the \$100,650 for clearing crosswalks
- o Challenges with hiring, retaining and training part-time staff, especially for operating this larger equipment and needing to be available 24/7 all winter.

18. How will Valley Transit handle snow removal at the bus shelters?

We discussed the change with Valley Transit and they will address the snow removal as they deem most appropriate for their operations.

19. Does WisDNR ding us at all for salt in the storm water?

No. However, as part of our Stormwater Permit, we are required to report the amount of salt, brine, etc. we use monthly, and to document that our salt applying machinery is calibrated. As you can see from the attached Exhibit 3, we are doing a great job of reducing salt usage over the past 20 years.

20. Has the City looked into using beet juice instead of road salt?

Yes, the City has researched the use of beet juice. Because there is not a local supply, the product is more expensive and not any more effective than road salt.

21. What would be the anticipated cost comparison if we hired a contractor for the snow removal services and paid them a guaranteed amount regardless if there is snow to remove or not?

Because this option relies on receiving quotes (and we have not had any competition in over 20 years) it is difficult to estimate a cost. However, our current contract for snow removal services has a laborer (shoveling) rate of \$54.47/hour and a snowblower rate of \$84.99/hour (see attached Exhibit 4 for entire list of costs). In comparison, the top end hourly rate for our Operator II's is \$32.10.

In addition, a significant benefit of paying City staff is we get other work tasks (tree trimming, street maintenance, etc.) accomplished versus paying a contracted service to stay home.

22. Is staff considering increasing the fines for non-snow removal compliance?

No, we are not considering any changes at this time.

23. How much overflow do we collect in a year?

2018 -- 1374 tons (2,748,000 pounds)

2019 -- 1420 tons (2,840,000 pounds)

2020 -- 1631 tons (3,262,000 pounds)

24. Why did DPW settle on a \$10 charge vs. \$5 or \$20 for example?

This seemed like a minimal expense to get rid of a large item. It is half the cost of a trailer rental and less than someone would pay to dispose of an old mattress with a furniture delivery. \$5 did not seem like it would deter enough people. \$20 seemed too high.

25. The bulky item collection fee of \$10 per item is a common amount for other communities to charge, but do we know why they charge \$10? Is it related to their costs to provide the service or just a number that a number of places picked because it was more than zero but small enough to not be too punitive?

The \$10 fee does not come close to covering our costs, but it is an amount to promote finding alternatives to throwing the items away without the cost becoming unaffordable.

26. How will DPW administer the \$10 bulky item fee?

Customer will call our office to pay for and schedule the collection. Our front office staff will enter this into our sanitation app and our collection crew will see the paid customer addresses on their field iPad.

27. Do we expect to see the proposed \$10 fee reduce the amount of items we will collect?

Yes, that is the desired outcome. We can't collect the current annual volume in fewer collections, so we need to incentivize people into finding other means of re-use or collection instead of putting items out for us to collect and bring to the landfill.

28. In the memo, you stated that the collection fee for non-compliant items will be \$250. But in the chart it shows \$2,500. Just wanted to clarify which one it is.

The chart shows the anticipated revenue of \$2,500. We are only estimating 10 collections at the \$250 rate.

29. Currently DPW allows residents to drop off garbage/bulky items at the Glendale yard waste site. But if residents can load it up and haul it to the yard waste site, why not just make them go a mile further and take to the landfill? Wouldn't that save DPW some staff work and wear on equipment?

This would save us about 4 hours per week hauling dumpsters. The equipment is operated daily so it would still be utilized. Also, the County landfill drop-off hours are very limited.

30. What would be the additional costs if we don't change our bulky overflow collection and also collect yardwaste April through November?

The additional cost would be \$192,000. \$152,000 for 2 employees and \$40,000 for truck operation and maintenance. We already have a rear load truck that could be used so no new equipment needed.

In addition to cost, the goal of reducing tonnage going to the landfill will most likely not be realized as there is no incentive to change behavior.

31. What would be the ramifications of keeping bulky overflow status quo and only collecting yard waste in spring and fall?

We would not have the necessary staff to insource the sidewalk snow removal services. See question 17 above.

32. Is there a way to create a tiered system for non-compliance overflow fees?

A tiered system for fees would be difficult to manage and administer, and would add additional trips to the property to check on compliance for the next step in the tier. We also recommend the non-compliance fee to be high enough to promote compliance. One option would be to give the property owner one week to come into compliance after the "Oops" notice was issued instead of 48 hours.

33. For bulky item collection, if we were to not do yard waste pick up at all, would we be able to keep collecting bulky items as we do today?

See Modified Plan described at end of this memo.

Based on the questions and feedback received regarding our Proposed Plan, we have developed a Modified Plan that includes the following elements (See Exhibit 5 for comparison of plans):

- Offer free overflow April through September, opposite of each recycling week (vs. monthly April through November for a \$10 fee)
 - Max of 2 items per collection (approved items only as highlighted on Exhibit 6)
 - No move outs
 - No bulky collection October and November to allow this crew to pick yard waste
 - No bulky collection December through March to allow this crew to assist with snow removal
- Brush and yard waste collection 4 weeks in April
 - Must be bagged and bundled properly
- Brush and yard waste collection for all weeks of fall leaf collection
 - Each customer should get 3 rounds of collection, the same week as their leaves
 - Must be properly bagged and bundled
 - No pumpkins – must go in black garbage cart

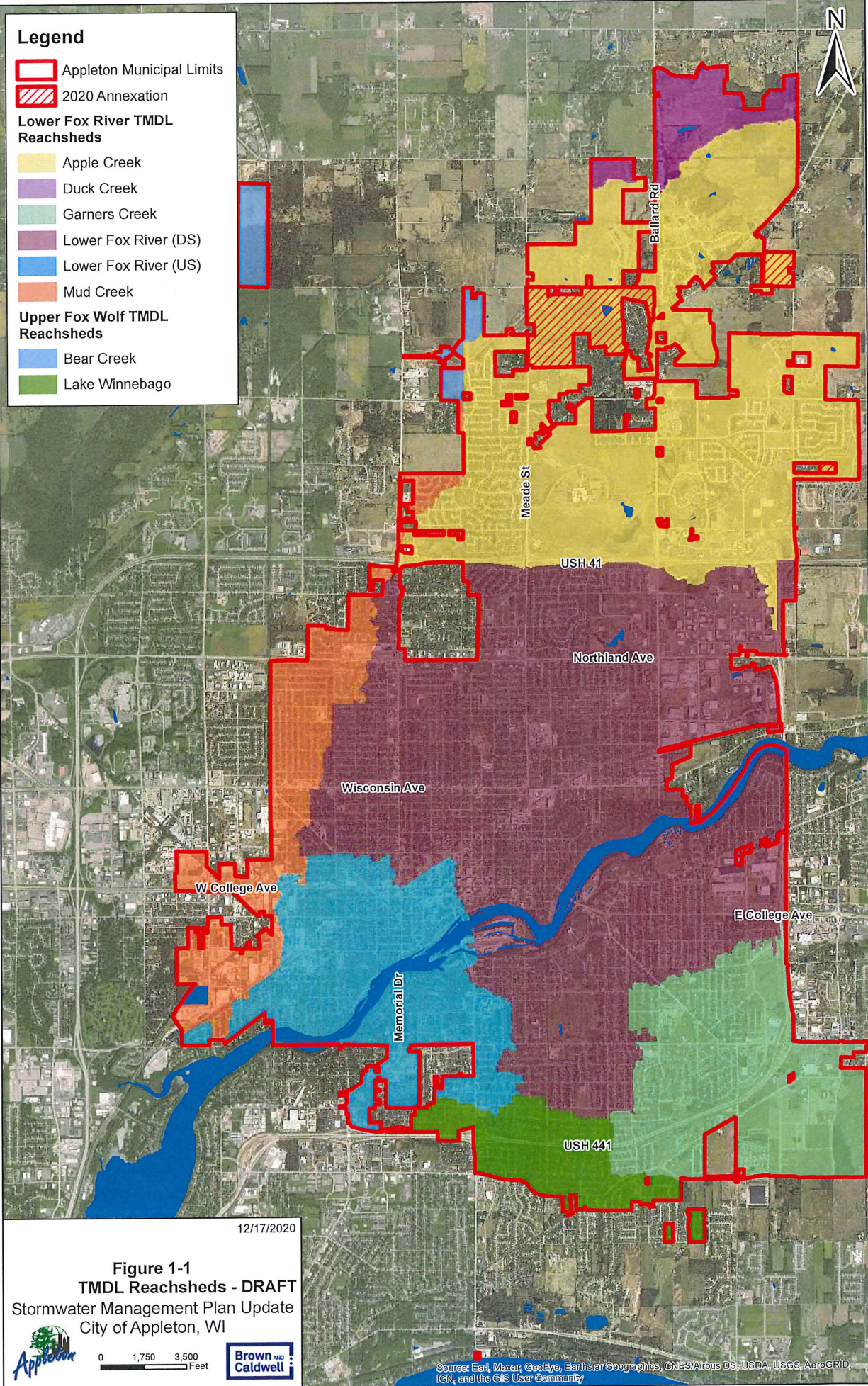


Table 3-8. With-Controls TP Reduction Results - DRAFT
 Stormwater Management Plan Update
 City of Appleton, WI

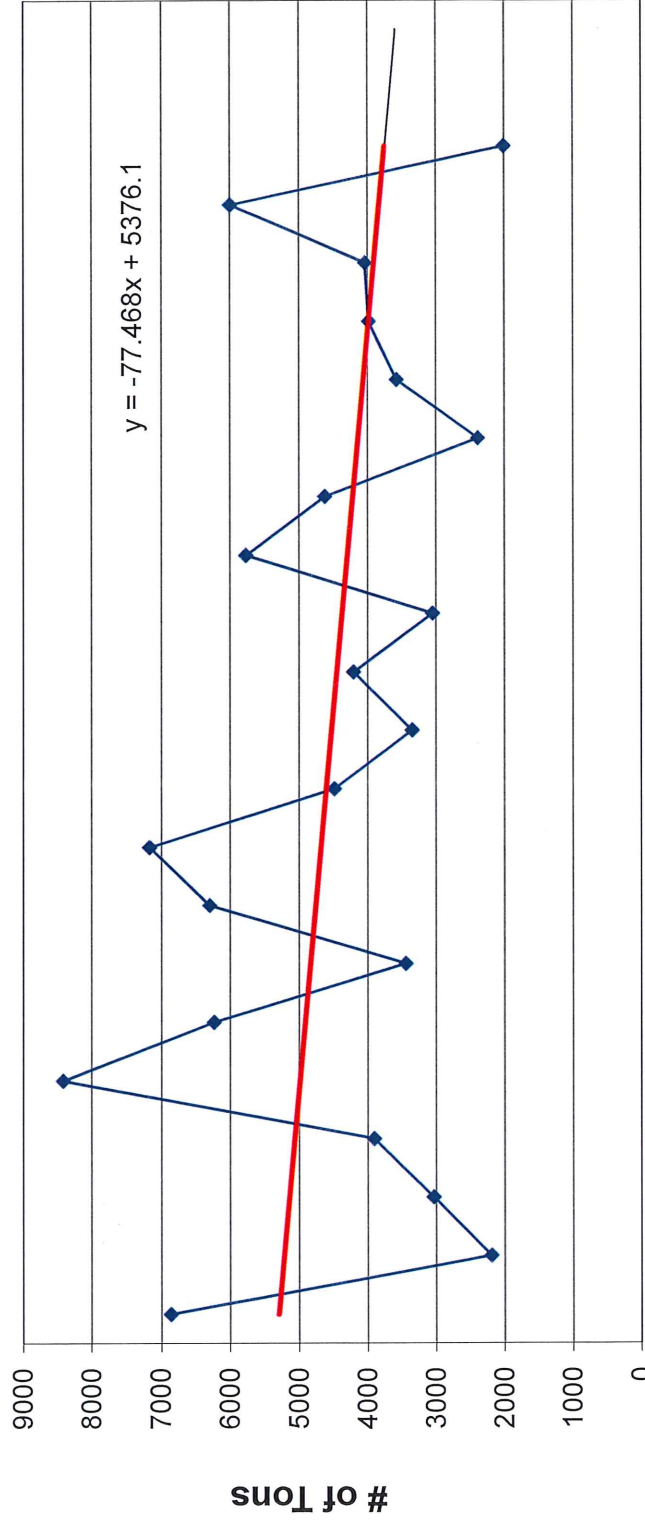
Reachshed	GIS Name	Total Treated Area (acres)	Lower Fox River TMDL					With-Controls TP Reduction % (compared to no-controls total load)	Is TP Load Reduction Target Met?
			No-Controls TP Load (tons/year)	With-Controls TP Load Reduction (tons/year)	TMDL Target TP Load Reduction %	With-Controls TP Reduction % (compared to no-controls total load)	Is TP Load Reduction Target Met?		
	Apple Creek	3,388	2,277.2	1,107.9	40.5%	48.6%	Yes		
	Duck Creek	57	33.7	16.4	40.5%	48.5%	Yes		
	Garners Creek	1,576	1,280.0	717.3	68.6%	56.0%	No		
	Lower Fox River Mainstem (DS)	5,966	5,015.6	1,179.9	40.5%	23.5%	No		
	Lower Fox River Mainstem (US)	1,506	1,281.0	168.5	40.5%	13.2%	No		
	Mud Creek	1,055	868.0	326.5	48.2%	37.6%	No		
Totals		13,548	10,755.5	3,516.3		32.7%			
Upper Fox-Wolf TMDL									
Reachshed	Total Treated Area (acres)	No-Controls TP Load (tons/year)			With-Controls TP Load Reduction (tons/year)	TMDL Target TP Load Reduction %	With-Controls TP Reduction % (compared to no-controls total load)	Is TP Load Reduction Target Met?	
		No-Controls TP Load (tons/year)	With-Controls TP Load Reduction (tons/year)	TMDL Target TP Load Reduction %					
	137	46.9	5.4	85.6%	11.4%	No			
	586	456.1	98.3	85.6%	21.6%	No			
Totals	723	503.0	103.7		20.6%				

<u>YEAR</u>	<u>TONS</u>
2000	6862
2001	2194
2002	3041
2003	3906
2004	8424
2005	6231
2006	3442
2007	6293
2008	7166
2009	4484
2010	3349
2011	4205
2012	3051
2013	5767
2014	4621
2015	2383
2016	3575
2017	3979
2018	4034
2019	5994
2020	2002

TOTAL = 95003

Average : 4524.0

Appleton's Salt Usage History



Years 2000- 2020
20+% Reduction

9/8/2017

PROPOSAL SIDEWALK & CROSSWALK SNOW REMOVAL SERVICES

Description	WINTER 2017-2018	WINTER 2018-2019	WINTER 2019-2020	WINTER 2020-2021	WINTER 2021-2022
*Tractor/Skid Steer	\$ <u>87.14</u> /hr.	\$ <u>88.88</u> /hr.	\$ <u>91.54</u> /hr.	\$ <u>93.00</u> /hr.	\$ <u>96.00</u> /hr.
*Snowblower	\$ <u>72.10</u> /hr.	\$ <u>73.54</u> /hr.	\$ <u>75.74</u> /hr.	\$ <u>77.94</u> /hr.	\$ <u>84.99</u> /hr.
*Tri-Axle Dump Truck	\$ <u>67.50</u> /hr.	\$ <u>68.90</u> /hr.	\$ <u>72.00</u> /hr.	\$ <u>75.00</u> /hr.	\$ <u>76.00</u> /hr.
*Salt Truck	\$ <u>86.50</u> /hr.	\$ <u>88.50</u> /hr.	\$ <u>90.50</u> /hr.	\$ <u>92.00</u> /hr.	\$ <u>94.00</u> /hr.
Laborer (Shoveling/Flagging)	\$ <u>48.41</u> /hr.	\$ <u>49.96</u> /hr.	\$ <u>51.35</u> /hr.	\$ <u>52.89</u> /hr.	\$ <u>54.47</u> /hr.
Foreman	\$ <u>58.71</u> /hr.	\$ <u>60.47</u> /hr.	\$ <u>67.21</u> /hr.	\$ <u>64.07</u> /hr.	\$ <u>65.99</u> /hr.
Pickup Truck Miles	\$ <u>.92</u> /mile	\$ <u>.94</u> /mile	\$ <u>.96</u> /mile	\$ <u>.98</u> /mile	\$ <u>1.00</u> /mile

* Hourly rates including operator

OTHER EQUIPMENT

<u>V-Plow Truck</u> (Description)	\$ <u>75.21</u> /hr.	\$ <u>77.46</u> /hr.	\$ <u>79.46</u> /hr.	\$ <u>81.46</u> /hr.	\$ <u>83.90</u> /hr.
<u>Skidsteer/Blower</u> (Description)	\$ <u>79.93</u> /hr.	\$ <u>82.32</u> /hr.	\$ <u>84.50</u> /hr.	\$ <u>87.50</u> /hr.	\$ <u>89.50</u> /hr.
_____ (Description)	\$ _____ /hr.	\$ _____ /hr.	\$ _____ /hr.	\$ _____ /hr.	\$ _____ /hr.

BIDDER: Lake Shore Cleaners, Inc.
 MAILING ADDRESS: 4623 N. Richmond St.
 PHYSICAL ADDRESS: " "
 CITY, STATE, ZIP: Appleton, WI 54913
 BY: [Signature]
 PRINT: Ronald G. Wolff, Jr.
 TITLE: President
 TELEPHONE: 920-734-0757
 FAX: 920-830-2822
 DATE: 9-8-17

CITY OF APPLETON

DEPARTMENT OF PUBLIC WORKS

Addendum #1 [Signature]

Department of Public Works Proposed Operational Changes

6/16/2021

	CURRENT	PROPOSED	MODIFIED
January	Free Bulky Overflow	Previously Contracted Snow Removal	Previously Contracted Snow Removal
February	Free Bulky Overflow	Previously Contracted Snow Removal	Previously Contracted Snow Removal
March	Free Bulky Overflow	Previously Contracted Snow Removal	Previously Contracted Snow Removal
April	Spring Yard Waste Dates TBD Free Bulky Overflow	Weekly Yard Waste Once/Month Bulky \$10/item	Spring Yard Waste Dates TBD Every Other Week Bulky 2 Items FREE
May	Free Bulky Overflow	Once/Month Yard Waste Once/Month Bulky \$10/item	Every Other Week Bulky 2 Items FREE
June	Free Bulky Overflow	Once/Month Yard Waste Once/Month Bulky \$10/item	Every Other Week Bulky 2 Items FREE
July	Free Bulky Overflow	Once/Month Yard Waste Once/Month Bulky \$10/item	Every Other Week Bulky 2 Items FREE
August	Free Bulky Overflow	Once/Month Yard Waste Once/Month Bulky \$10/item	Every Other Week Bulky 2 Items FREE
September	Free Bulky Overflow	Once/Month Yard Waste Once/Month Bulky \$10/item	Every Other Week Bulky 2 Items FREE
October	Yard Waste & Leaves Free Bulky Overflow	Previously Contracted Snow Removal Once/Month Yard Waste plus Leaves Once/Month Bulky \$10/item	Previously Contracted Snow Removal Every Other Week Yard Waste & Leaves
November	Yard Waste & Leaves Free Bulky Overflow	Previously Contracted Snow Removal Once/Month Yard Waste plus Leaves Once/Month Bulky \$10/item	Previously Contracted Snow Removal Every Other Week Yard Waste & Leaves
December	Free Bulky Overflow	Previously Contracted Snow Removal	Previously Contracted Snow Removal

Municipal Collection Services Comparison Chart

Exhibit 6

Community	Trash Collector	Method	Curbside Overflow Bagged Trash Policy	Curbside Bulky Item Policy	Items Collected	Items Not Collected	Non-Compliance Collections	Bulky Waste Drop-off Center	Curbside Brush & Yard Waste Collection
Appleton - Current	City	Automated	Yes, \$4.00 disposal sticker must be affixed to each bag taken	Yes, collected bi-weekly on regular garbage day; opposite week of recycling. Fee for appliance collection. No construction or contractor debris.	Large items that don't fit in cart.	Pool tables, pianos, other very heavy items	\$75	Yes	Spring & Fall
Appleton - Proposed	City	Automated	Yes, \$4.00 disposal sticker must be affixed to each bag taken	Monthly, April through November. 5 items max per month. \$10 per item, paid and scheduled in advance.	Typical home furniture, recliner, couch, bed frames, doors (not patio), stands, TV carpets (cut to 4 feet and bundled), small metal (4 foot or less), tires. Weigh less than 50 pounds.	Appliances, electronics mattresses, sofa sleepers, construction/remodeling/building materials, glass doors, bay windows, hot tubs, pools, trampolines, exercise equipment, basketball hoops, tractor tires.	\$250	Yes. Appliances, metal, garbage, tires and recycling accepted.	Monthly, April through November. No grass collected curbside.
DePere	City	Automated	Yes, extra bags taken outside the cart during traditional holiday weeks. Rest of year, \$2.00 overflow tag must be affixed to each bag taken.	Yes, 1 week in June and 1 week in September. Must schedule and pay fee for collection other 50 weeks of the year. Charges vary, minimum \$40 fee.	Furniture, carpet, doors, metal, windows, doors.	Construction materials and debris, iron appliances, bagged trash.	No	Yes	3 times per year: May, July, and October. No fee. Must schedule and pay fee for collection rest of the year. Charges vary, minimum \$40 fee.
Eau Claire	Contractor	Property owner required to contract individually with approved waste hauler	Per individual contract with waste hauler.	Must contact and pay private hauler	Must contact and pay private hauler	Must contact and pay private hauler	Must contact and pay private hauler	No	Yardwaste collected 1 week in May and 1 week in November. 10 bags free, then \$2.50/bag. No brush collected.
Fond du Lac	City	Automated	Bags outside cart are only collected as bulky items for a minimum \$40 fee.	Yes, \$40 minimum charge plus charges for appliances, tires, etc. Extra charges for non-scheduled items.	Appliances, furniture, bagged trash	Tires and iron require additional fee.	No	Yes	Fall only. Small amounts of plant material only. No grass, brush, fruits or vegetables collected.
Grand Chute	Contractor	Automated	No bags outside of cart will be collected.	4 collections per year provided by private hauler.	Furniture, carpet (4' sections), tables.	Appliances, construction materials, bagged trash.	No	No	Brush chipping 1 week in May and September. No grass or yard waste collected.
Green Bay	City	Automated	Yes, up to 4 extra bags taken outside the cart during 4 scheduled weeks per year.	Yes, 2 scheduled weeks per year, 2 CY max. Other 50 weeks of the year, \$80 minimum charge per trip up to \$240.	Furniture (indoor & outdoor), metal objects, etc.	Appliances, construction/remodel materials (including carpet), move out debris	\$240	Yes, 2 drop-off centers. No fee. No construction or contractor debris.	Spring & Fall. No grass collected.
LaCrosse	Contractor	Automated	Yes, must schedule. Fees apply.	Once per year in Spring. 5 items max. Other weeks must contact and pay private hauler.	Furniture, etc.	No appliances or construction materials.	No	No	Contract individually with private hauler, if want the service. Brush collected one week in the spring.
Menasha	City	Automated	Yes, \$1.00 overflow sticker must be affixed to each bag collected	Yes, each residential property gets 5 bulky item tags per year. Additional tags cost \$15 each. Freon appliance collection is \$15.	Large items or bags of trash with stickers.	NA	No	No	Brush collected monthly. Yardwaste collected in the Spring & Fall. Must use paper bags. Grass collected.

WATER MAIN BREAK/ JOINT LEAK REPORT - MAY 2021

YEARLY WATER MAIN BREAK COMPARISON

<u>MAY 20</u>	<u>MAY 21</u>	<u>YTD 20</u>	<u>YTD 21</u>
3	6	40	56

LOCATION	WORK ORDER	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	DOLLAR VALUE OF WATER REVENUE LOSS**
710 E. Summer St.	285630	DIP	12"	1976	1/2" Crack X 16" Split	30 Days	60,525,000	\$367,992.00
NOTES: Break was found as water was in the road and with the correlator. Duration is based on ground saturation. Water was following a trench and entering the sewer some where.								
Schaefer Cir. & Eric Dr.	285997	DIP	8"	1979	1/4" Hole	14 Days	212,725	\$1,293.37
NOTES: Break was found as water was in the road. Duration is based time of call and soil saturation.								
1716 E. Calumet St.	286050	CIP	12"	1965	6" Hole	4 Hours	1,271,654	\$7,731.66
NOTES: The break was called in by the PD. Duration is based on time of call until it was fixed.								
712 E. Summer St.	286051	DIP	12"	1976	2" Hole	3 Hours	142,045	\$863.63
NOTES: Break was reported by APD. Duration is based on time of call until it was fixed.								

**Water Loss is calculated at the residential rate of \$6.08 per 1000 gallons.

LOCATION	WORK ORDER	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	DOLLAR VALUE OF WATER REVENUE LOSS**
511 S. Kensington Dr.	286274	DIP	12"	1980	3" Hole	4 Hours	415,700	\$2,527.46
NOTES: Break was found as water was bubbling out of the road. Duration is based on time of call until it was turned off.								
2509 E. Crestview Dr.	286499	CIP	8"	1966	4" Hole	6 Hours	972,458	\$5,912.54
NOTES: Break was called in by a resident. Duration is based on the amount of water in area and the soil saturation.								

In addition to the dollar value of water revenue lost, there is an average cost of \$9,000 to repair each water main break (including final restoration) and an average cost of \$630 to produce the lost water for each main break.

**Water Loss is calculated at the residential rate of \$6.08 per 1000 gallons.