



THE CITY OF NASHUA

Division of Public Works

Administration

"The Gate City"

Board of Public Works Meeting of November 21, 2019

Agenda

A meeting of the Board of Public Works is scheduled for Thursday, November 21, 2019 at 5:30 p.m. at the DPW Administration/Engineering Building at 9 Riverside Street, Nashua, NH 03062.

I. Roll Call

II. Motion: To approve the agenda as presented.

III. Motion: To approve the minutes of the Board of Public Works Meeting of October 24, 2019.

IV. Public Comment

V. Parks & Recreation

A. Motion: To approve a contract with Forcier Contracting & Building Services Inc. of Nashua, NH for the building repairs at the Crown Hill Pool bathhouse in the amount of \$34,200. Funding will be through Department: Department 177 Parks and Recreation; Fund: Capital; Activity: Crown Hill Pool Building Repairs.

VI. Engineering

A. Motion: To approve the Residential and Commercial Wastewater Service Permits and Fees as submitted.

VII. Wastewater

A. Motion: To approve the User Warrants as presented.

B. Motion: To approve the contract with Waterline Industries Corporation of Seabrook, NH in an amount of \$1,237,677 for replacing the screen and rakes in the Wet Weather Facility. Funding will be through: Department: 169- Wastewater; Fund: Wastewater; Activity: Wet Weather Facility Influent Screening Upgrade.

C. Motion: To approve the contract with Wright Pierce of Thompson, ME in an amount not to exceed \$148,800 for construction administration services for the Wet Weather Influent Screening Upgrade Project. Funding will be through: Department: 169- Wastewater; Fund: Wastewater; Activity: Wet Weather Influent Screening Upgrade.

VIII. Administration

A. Informational: Removal of Invasive Species and Trees along the Nashua Riverfront

B. Director's Report

IX. Commissioner's Comments

X. Personnel
A. Non-Public Session

XI. Non-Public Session

**Board of Public Works Meeting
Meeting Minutes
October 24, 2019**

A regular meeting of the Board of Public Works was held on Thursday, October 24, 2019, at 4:00 p.m. in the Auditorium at City Hall, 229 Main Street, Nashua, NH 03060.

Mayor Donchess, Chair, declared the meeting to order at 4:00 p.m. and called the roll.

Members Present:

Mayor James Donchess, Chair
Commissioner Joel Ackerman, Vice Chair (Arrived at 4:06 p.m.)
Commissioner Tracy Pappas
Commissioner Kevin S. Moriarty (Arrived at 4:13 p.m.)
Commissioner G. Frank Commissioner Teas

Also Present:

Ms. Lisa Fauteux, Director, Division of Public Works
Mr. Jon Ibarra, Superintendent of Streets
Mr. John Stewart, Fleet Manager
Mr. Dave Boucher, Superintendent of Wastewater
Mr. Nick Caggiano, Superintendent of Parks & Recreation

MOTION: Commission Pappas made a motion to approve the agenda as amended.

MOTION CARRIED: Unanimously

Approval of Meeting Minutes – September 26, 2019

MOTION: Commissioner Teas to approve the minutes from the Special Board of Public Works Meeting of September 26, 2019.

MOTION CARRIED: Unanimously

Public Comment

There was no public comment.

Street Department

- A. MOTION:** Commissioner Pappas to approve the purchase of one Up Fit Package from Tenco USA of Barre, VT, for the purchase price of \$111,877. Funding will be through Department: 161 Street; Fund: Trust; Activity: CERF.

Discussion:

Mr. Jon Ibarra, Superintendent of Streets

The motion is to mount the snow gear; the nose plow, the wing plow, the spreader, and we are adding the liquid application tanks on these vehicles for the brine.

Mayor Donchess

Are these two identical motions?

Mr. Ibarra

That's correct. We carried it up since it's through Streets but Nick's getting one of these trucks for Parks & Recreation and we are replacing one of ours.

MOTION CARRIED: Unanimously

- B. MOTION:** Commissioner Teas to approve the purchase of one Up Fit Package from Tenco USA of Barre, VT, for the purchase price of \$111,877. Funding will be through Department: 177 Parks and Recreation; Fund: Trust; Activity: CERF.

MOTION CARRIED: Unanimously

Commissioner Pappas

I think this predates your time here but we got those hook trucks that were supposed to be the end all be all, have we decided not to pursue those anymore?

Director Fauteux

I think you are talking about the Terrastar. We decided they weren't the end all be all and we haven't ordered anymore.

Mr. John Stewart, Fleet Manager

We found that the trucks themselves were too light duty and they had a lot of electronic and mechanical issues by swapping bodies and hydraulics systems all of the time. It was a hard vehicle to maintain and there were a lot of breakdowns.

Wastewater Department

- A. MOTION:** Commissioner Pappas to approve the User Warrants as presented.
MOTION CARRIED: Unanimously
- B. MOTION:** Commissioner Teas to approve change order 3 to the contract with Methuen Construction in an amount of \$3,483.78 for the construction of upgrades to the primary tanks at the Wastewater Treatment Facility. Funding will

be through Department: 169 Wastewater; Fund: WERF and SRF Loan; Activity: Primary Upgrade Project.

Discussion:

Mr. Dave Boucher, Superintendent of Wastewater

Part of this project is to redo some plumbing. There's an underground tunnel that houses pumps but it needs air exchange. After doing some demo work and seeing what was going in there it was discussed by the electrician that's working on the project that it would be beneficial to have a two-speed starter for the exhaust system so we can control it better from the lower level. This is the change order to upgrade from what was originally put in the construction plans to a two-speed starter which was not in the original design.

MOTION CARRIED: Unanimously

Parks & Recreation

- A. MOTION:** Commissioner Pappas to approve the purchase and installation of a playground for the Salem Street Tot Lot from Ultiplay Playgrounds, Inc. of Uxbridge, MA, in the amount of \$39,453, pursuant to the Massachusetts state contract #VC000510633FAC104. Funding will be Department 184 Community Development; Fund: Grant; Activities: CDBG 17.

Discussion:

Commissioner Pappas

I think it looks terrific but we might want to explain why we used the block grants for it.

Mr. Nick Caggiano, Superintendent of Parks & Recreation

Every year we have a meeting and the city applies for federal grants through the Community Development Block Grant (CDBG) and there are certain sections of the city that are eligible and the French Hill area fell into that eligibility criteria. Back in 2017, we were awarded a grant for \$40,000 and by the time it all comes in we are here and we are excited. There is a remote possibility this might even go in if we have a mild winter but if not, it will go in first thing in the spring. The area really needs an upgrade over there.

Commissioner Pappas

Absolutely, it's a nice little spot.

MOTION CARRIED: Unanimously

- B. MOTION:** Commissioner Teas to approve a contract with Northeast Earth Mechanics of Pittsfield, NH, for the construction of the Greeley Park Boat Ramp in the amount of \$419,495. Funding will be through Department: Department

Discussion:

Mr. Caggiano

As you all know, we have been working on this since 2003. It's been a long journey and it's finally come together. The bids came in a little higher than we thought so we revisited it and we negotiated with the lowest bidder. We met as a Division and came up with a work plan. We are going to do some of the "non-technical" tasks and again, we are hoping for a mild winter and we are going to hit the ground running here in a few weeks. This is going to get done by the end of July of next year. I gave myself a little bit of wiggle room. It's much needed and the community needs it. It's a little embarrassing what is there now.

Mayor Donchess

That's interesting, I didn't realize it had been that long.

Mr. Caggiano

We had received a grant from Fish & Game but the railroad kind of threw us a big curveball and I think it was Attorney Connell at the time...It took a long time to get everything in place and then get the funding but it's finally here.

Commissioner Pappas

Perhaps in a few words, can you explain to the public what kind of changes they might see.

Mr. Caggiano

There is a big loop road that gets you to the boat ramp and that road is going to become a pedestrian-only path. It will be wide enough for fire apparatus to get down but it will be gated and there will be boulders in place to keep out ATV's. We will be cutting in a new road, a direct road right into the area to make it easier to monitor by the police and easier to navigate by both residents and fire officials. There is going to be some detention basin work, a parking lot for I believe 24 spots for trailers and it will be made with millings so there will be very little asphalt there. The boat ramp will be extended and widened. The second phase will involve an accessible loading area. We will see how far we get. If there is enough money left we will add that as well, otherwise we will have to wait until we can get some funding.

Commissioner Pappas

So the parking lot will be outside of the gated area where the fire trucks can get through?

Mr. Caggiano

If you go down right now and you take the right onto the loop road you will go about 30 or 40 feet and then you will take a hard left and that's going to bring you right to the boat ramp. At the boat ramp itself, there will be a parking area for approximately 24 vehicles.

Commissioner Pappas

Will there be lighting? Are we trying to think in advance if you have had problems in the past with vandalism and how we might handle that?

Mr. Caggiano

There is no currently no lighting.

Commissioner Pappas

Yes, and neighbors probably don't like lighting.

Mr. Caggiano

We would have to run a service down there but maybe in the future.

Commissioner Pappas

There's probably not much there to vandalize, is that correct?

Mr. Caggiano

The biggest problem we have down there is illegal dumping. The loop road is a very convenient place for people to get rid of T.V.'s and refrigerators. This is going to cut down on that tremendously.

Commissioner Pappas

That's excellent.

Commissioner Ackerman

I am in full support of this and I think it's a great addition to the benefits to the residents of Nashua. Obviously, there will be no charge for the access, is that correct?

Mr. Caggiano

No, there will be no fee to go in there.

Commissioner Ackerman

With regard to the funding, the Community Development fund, is that a third-party or do we go internally and self-fund it?

Mr. Caggiano

We apply for grants and you are awarded a grant and then the project gets vetted and at some point, there is a transfer of funds from the federal government to the city. There's an account set up which I believe is referenced in the memo. It's in Community Development and we use that funding. It doesn't hit the operating budget.

Mayor Donchess

This is a \$200,000 grant but there is a 50% match requirement so the city has to match it with at least \$200,000 which we are doing. Extra money is needed to be appropriated so, in the end, more money will be spent on this than the \$400,000 but that's what is required to get it completed and have the improved access road.

Commissioner Pappas

Once we do these projects will we be planning maintenance?

Mr. Caggiano

Yes, we will. The road is currently not plowed except in the rare event we need to get a rescue boat out there. It will be graded as needed and backfilled and trash will be picked up.

Commissioner Pappas

So someone will be checking on that because I know if you ignore things for too long it just...

Mr. Caggiano

We will be checking it.

Commissioner Moriarty

I was surprised that the Board never approved a final design of the boat ramp prior to approving a contract to do the work.

Mr. Caggiano

I believe the final design was approved and it went to the Planning Board, the Zoning Board, and the Conservation Commission before it was even allowed to go out to bid.

Commissioner Moriarty

I have no recollection of approving a final design but perhaps my fellow Commissioners do. I just felt like we were putting the cart before the horse because I don't remember approving the design. I am in favor of the boat ramp.

Mayor Donchess

I would have to ask legal but it may have come here just as an informational item. I'm not sure, maybe there does need to be an approval by the Board of Public Works.

Commissioner Pappas

That's an interesting point.

Mayor Donchess

We can ask this question and come back to you.

Commissioner Pappas

Would it hurt us to put it off by a month? Would that have an impact on the schedule?

Mr. Caggiano

Significantly.

Director Fauteux

We are not going to start building the actual boat ramp, we are just doing our work, is that right?

Mr. Caggiano

No, the contractor is going to mobilize in late November/December and he's going to use the old road to do the work.

Mayor Donchess

Let us clarify everything. Community Development was the one who applied for the grant.

Director Fauteux

I'll check to see if it didn't come but we have a Special Board of Public Works meeting coming up so we could bring it then so the Board could take a look at it.

Commissioner Moriarty

Wouldn't everything be under our jurisdiction because it is part of the park?

Mayor Donchess

You may be right.

Director Fauteux

Greeley Park is different though, it's under the jurisdiction of the Board of Aldermen and the Board of Public Works because it's Greeley Park so we would have to bring it to both Boards. Technically, Greeley Park is under the jurisdiction of the Board of Aldermen which is a little different but we would bring it to both Boards.

Commissioner Moriarty

Just for clarification, any change at Greeley Park, the Board of Aldermen has to approve, is that correct?

Director Fauteux

Yes.

Mayor Donchess

We will develop a timeline and figure out what happened. It's been in the works for so long and it's gone back and forth so many times.

Director Fauteux

We will bring the plan to the Special Board of Public Works meeting. We can hold this until then because it's coming right up. I think it's on November 7th.

Commissioner Pappas

I thought you invited the entire Board of Aldermen to that.

Director Fauteux

Not the whole Board of Aldermen, just the Aldermen who have been helping us looking at our facilities. Just the Aldermen that are on the committee who are Alderman Wilshire, Alderman Dowd, and Alderman O'Brien. We can bring the plan to the special meeting if you would like.

Commissioner Moriarty

I would be in favor of that because I think the Board of Aldermen also has to approve any change at Greeley Park and if they have it then I think we are pushing this...

Mr. Caggiano

It's been a while but I believe Community Development and Director Marchant went through that whole process and Stantec presented it just like they presented here but it's been a while so we probably should check.

Mayor Donchess

We will clarify it.

Commissioner Pappas

I think a lot of times when we involve Community Development, the Board of Public Works gets left out of the loop and I think that if you want to go by the Charter, I think we should be more cognizant of not leaving this Board out of the process. I do think that government process is very important.

Mayor Donchess

We still have to clarify what happened, is it totally certain that we did not approve it? It's been in the works for a long time. It may have been before this Board a year or two ago. Community Development got the money so that's their involvement, it wasn't like they were pushing the Board of Public Works out of it. They applied for and enabled us to get the funds. We will definitely clarify it and if there was a glitch, we will try to correct it.

Commissioner Pappas

I wasn't suggesting they were. I probably would have gone through and looked at the minutes but as I said I have always been in favor of improving the boat ramp and it sounds like a great plan and I hope this won't throw our schedule off.

MOTION: Commissioner Pappas made a motion to table the contract with Northeast Earth Mechanics of Pittsfield, NH, for the construction of the Greeley Park Boat Ramp, date-specific to the November 7th Special Board of Public Works meeting.

MOTION CARRIED: Unanimously

Engineering Department

A. MOTION: Commissioner Pappas to approve the Residential and Commercial Wastewater Service Permits and Fees as submitted.

MOTION CARRIED: Unanimously

B. MOTION: Commissioner Pappas to approve the following Pole License Petition: PSNH #21-1428, #21-1433, #21-1430, #21-1434, #21-1435, and #21-1440.

Discussion:

Commissioner Pappas

Have we ever looked into the telephone poles that are really close to the road on Tinker Road by White Oak?

Director Fauteux

You had mentioned that to me and we did make that request to Eversource but I'm not sure if they have moved on it or not.

Commissioner Pappas

It's worth taking a drive by because I do think that someone could lose their life.

Director Fauteux

Right now we have a lot of poles that we have been asking Eversource to move.

Commissioner Pappas

I will say that I think Eversource has been better about maintaining stuff than PSNH was. I mean if they are not going to do anything about it maybe we should contact the PUC. I don't know if it's worth measuring how many feet it is from the road but it's pretty close.

C. Informational: NRPC Pedestrian and Bicycle Transportation Study Funding
MOTION: Commissioner Pappas made a motion to accept and place on file.

Discussion:

Director Fauteux

This is just notifying you that at the last meeting we had approved to use sidewalk quadrant funds for a transportation study by the NRPC and we discovered there was actually another funding source that had been identified in Community Development through an escrow so that funding will be used instead of the quadrant funds.

Administration

A. Director's Report

- This is a picture of "Women in DPW Day" at Nashua High School South.

- New Military Banner program & \$165.00 each and would hang on the Broad Street Parkway between Memorial Day and Veteran's Day to honor Veteran's.
- Fright Night at Greeley Park is on October 25th from 6:30 p.m. to 8:30 p.m.
- The Youth Group is working with PAL to beautify the Ash Street skate park.
- The city stage was used for the Roots Festival on October 5th.
- Students from Bishop Guertin cleaned up the rail trail and library walk on October 9th.
- Sustainable landscaping was planted on October 8th at the Hunt Building.
- This is a picture of the construction at the Thornton Road Tot Lot – There will be a ribbon cutting ceremony soon.
- This is a fall picture that highlighted one of the fountains at the Main Street Bridge.
- Starting maintenance at Holman Stadium.
- Some new sidewalk installation that was done on East Dunstable Road between Judith and Raleigh Drive.
- Berm installation on Monica Drive to help with some drainage issues.
- The last household hazardous waste collection will be on Saturday, November 2nd at the Street Department between 8:00 a.m. – 12:00 p.m.
- We asking folks that they made sure they maintain at least 3 feet of separation between their trash, recycling, and soft yard waste.
- There are extended hours for soft yard waste drop-off. The landfill will be open from 8:00 a.m. to 4:00 p.m. on Saturday, November 9th, November 16th, November 23rd, and November 30th.
- The Four Hills Landfill will be closed on Monday, November 11th in observance of Veteran's Day and curbside pick-up will be delayed by one day.
- We will also be closed on Thursday, November 28th in observance of Thanksgiving. Director Fauteux pointed out that trash, recycling, and soft yard waste would be collected on Friday, November 29th even though City Hall would be closed.

Commissioner's Comments

Commissioner Ackerman

I told Superintendent Caggiano that my wife and I would volunteer this Friday night.

Superintendent Caggiano had mentioned at a previous meeting that there was a situation on Artillery Lane regarding a possible easement activity. Has that gone to legal at all for follow-up?

Director Fauteux

Tim Cummings from Economic Development has dealt with that and I believe they worked out so that they could in fact use their loading dock but there was not going to be any parking that was going to be allowed.

Mayor Donchess

I think they agreed to just abandon the request.

Commissioner Pappas

What do you mean by they could use their loading dock?

Director Fauteux

There's a loading dock on the side of their building that they needed to gain access to but they didn't really have any access so I think they worked something out so they could at least access the loading dock but they were not going to allow any parking.

Commissioner Ackerman

Would it be fair to assume that the no parking signs that were presented to us have been removed from their building? The property owner put up no parking signs along his entire side of the building. Have those been removed?

Director Fauteux

I don't know the answer to that but I will look into that.

Commissioner Pappas

I noticed the roundabout by Nashua North and we put a lot of time into it a few years ago. It's brick and really high maintenance and I don't know if it should be on our maintenance schedule. If you drive by you can see the bricks lifting or maybe considering something that is less maintenance.

Director Fauteux

We have actually put a lot of sustainable plants in there which is very low maintenance right now.

Commissioner Pappas

I am talking about the brickwork and the mortar around it.

Director Fauteux

I don't think there are any issues with that right now but I can look into that.

Commissioner Pappas

I was just wondering if it should be on a regular maintenance schedule or figure out something that required a little bit less maintenance. I know it should be a School Department

issue and we kind of inherited it but...it's not horrible but with the winters we have and plows hitting it that us keeping up with the brick is sustainable.

Director Fauteux

I'll take a look at it.

Commissioner Pappas

For our special meeting, when we are going to get that information, I am wondering...it's kind of tight as far as parking goes and space-wise and just in case members of the public want to go, maybe the Aldermanic Chamber might be available or the Main Dunstable Library.

Mayor Donchess

We will check it out and see what else is available.

Commissioner Ackerman

I was driving by the bottom of Library Hill about a week ago and I noticed some distress on the Christmas tree. Is there anything going on that you might be aware of?

Director Fauteux

I don't know.

Mayor Donchess

Is it brown?

Commissioner Ackerman

It's brown and it's leaning in an odd direction.

Director Fauteux

I will ask Mr. Caggiano about that.

Personnel

- A. MOTION:** Commissioner Pappas to accept the retirement of Eric Currier, Automated Collection Equipment Operator, effective October 18, 2019.

Discussion:

Commissioner Teas

I am inquisitive, he submitted this October 9th and he is retiring on October 18th. I am presuming his retirement was telegraphed for a month or and he didn't just give a nine-day notice, right?

No, he just gave a nine-day notice.

MOTION CARRIED: Unanimously

B. MOTION: Commissioner Ackerman to approve and unseal the nonpublic minutes for Personnel from the Board of Public Works Meeting of September 26, 2019.

MOTION CARRIED: Unanimously

C. Non-Public Session

MOTION: Commissioner Ackerman moved by roll call that the Board go into a non-public session pursuant to RSA:91-A3 §2(b) the hiring of any person as a public employee.

A Viva Voce Roll Call was taken, which resulted as follows:

Yea: Mayor Donchess, Commissioner Ackerman, 5
Commissioner Pappas, Commissioner Moriarty
& Commissioner Teas

Nay: 0

MOTION CARRIED: 5-0

MOTION: Commissioner Ackerman to seal the minutes of the Board of Public Works non-public session of October 24, 2019, until such time as the majority of the Board votes that the purpose of the confidentiality would no longer be served.

A Viva Voce Roll Call was taken, which resulted as follows:

Yea: Mayor Donchess, Commissioner Ackerman, 5
Commissioner Pappas, Commissioner Moriarty
& Commissioner Teas

Nay: 0

MOTION CARRIED: 5-0

MOTION: Commissioner Ackerman to come out of non-public session.

A Viva Voce Roll Call was taken, which resulted as follows:

Yea: Mayor Donchess, Commissioner Ackerman, 5
Commissioner Pappas, Commissioner Moriarty
& Commissioner Teas

Nay: 0

MOTION CARRIED: 5-0

Adjournment

Commissioner Pappas made a motion to adjourn.

MOTION CARRIED: Unanimously

Meeting adjourned at 5:00pm

DRAFT



THE CITY OF NASHUA

Division of Public Works

Parks & Recreation Department

"The Gate City"

Board of Public Works Meeting of November 21, 2019 Parks & Recreation Department

Agenda

- A. Motion:** To approve a contract with Forcier Contracting & Building Services Inc of Nashua, NH for the building repairs at the Crown Hill Pool bathhouse in the amount of \$34,200. Funding will be through Department: Department 177 Parks and Recreation; Fund: Capital; Activity: Crown Hill Pool Building Repairs.

City of Nashua, Public Works Division

To: Board of Public Works Meeting Date: November 21, 2019
From: Nicholas Caggiano Superintendent
Parks and Recreation Department
Re: Crown Hill Pool House

A. Motion: To approve a contract with Forcier Contracting & Building Services Inc of Nashua, NH for the building repairs at the Crown Hill Pool bathhouse in the amount of \$34,200. Funding will be through Department: Department 177 Parks and Recreation; Fund: Capital; Activity: Crown Hill Pool Building Repairs.

Discussion: This project will replace the roof, 4 exterior metal doors with frames, the exterior siding new counters and sinks. There is a one year warranty on workmanship and manufacture's warranty on each item. This work is to be completed by May of 2020.

The project was advertised on August 22, 2019. A pre-bid meeting was held on September 3, 2019. Three contractors submitted qualified bids on October 18, 2019. The bids are as follows:

Firm	Bid
Fourcier Contracting & Building Services	\$34,200
Solid Roots Construction	\$34,825
Mark Carrier Construction, Inc	\$69,433

The bids were reviewed and Forcier Contracting and Building Services is the qualified, lowest bidder. The recommendation of the Superintendent is to award the contract to Forcier Contracting and Building Services.



THE CITY OF NASHUA

"The Gate City"

*Division of Public Works
Engineering Department*

Board of Public Works Meeting of November 21, 2019 Engineering Department

Agenda

- A. Motion:** To approve the Residential and Commercial Wastewater Service Permits and Fees as submitted.

City of Nashua, Public Works Division

To: Board of Public Works

Meeting Date: November 11, 2019

From: Peter S. Kohalmi, P.E., Deputy City Engineer
Engineering Department

Re: Residential and Commercial Wastewater Service Permits

A. Motion: To approve the Residential and Commercial Wastewater Service Permits and Fees as submitted.

Discussion: Below is a list of Residential and Commercial Wastewater Service Permits issued for the period October 1 to October 31, 2019.

Date	Permit #	Location Address	Resident Name/ Company Name	Comments (Residential or Commercial)	Fees	Repair	Entrance	Connection	Betterment
10/3/2019	23985	54 Linton St	Dan Bergeron Building & Development	Residential New Connection	\$295.00		X		
10/16/2019	23986	49 Hunt St	JJN Realty Trust	Residential New Connection	\$781.00		X		X
10/28/2019	23989	14 Burns St	Forcier Contracting & Building	Residential New Connection	\$295.00		X		
10/31/2019	23990	28 Pond St	Eric Parent for 28 Pond Street Realty, LLC	Residential Change Use	\$0.00 (1)				
TOTAL					\$1,371.00				

Notes

(1) Change of use from Commercial to Residential Two Dwelling Units. Owner obtained credit from previous permit.



THE CITY OF NASHUA

Division of Public Works

Wastewater Department

"The Gate City"

Board of Public Works Meeting of November 21, 2019 Wastewater Department

Agenda

- A. Motion:** To approve the User Warrants as presented.
- B. Motion:** To the contract with Waterline Industries Corporation of Seabrook, NH in an amount of \$1,237,677 for replacing the screen and rakes in the Wet Weather Facility. Funding will be through: Department: 169- Wastewater; Fund: Wastewater; Activity: Wet Weather Facility Influent Screening Upgrade.
- C. Motion:** To approve the contract with Wright Pierce of Thompson, ME in an amount not to exceed \$148,800 for construction administration services for the Wet Weather Influent Screening Upgrade Project. Funding will be through: Department: 169- Wastewater; Fund: Wastewater; Activity: Wet Weather Influent Screening Upgrade.

City of Nashua, Public Works Division

To: Board of Public Works Meeting Date: November 21, 2019
From: David L. Boucher, Superintendent
Wastewater Department
Re: Wet Weather Influent Screening Upgrade

B. Motion: To approve the contract with Waterline Industries Corporation of Seabrook, NH in an amount of \$1,237,677 for replacing the screen and rakes in the Wet Weather Facility. Funding will be through: Department: 169- Wastewater; Fund: Wastewater; Activity: Wet Weather Facility Influent Screening Upgrade.

Discussion: The Wet Weather Facility located at 2 Sawmill Road in Nashua is designed to treat flows at the wastewater facility above 50 million gallons per day. Over the years, the facility has experience issues with its two influent screens. Parts of the screen fields have become bowed allowing large material to pass through and clog pumps within the Wet Weather Facility. Another issue is that the rake mechanisms do not remove debris properly from the screen field allowing flow to back-up into the interceptor creating other issues and causing the Wet Weather Facility to be ineffective. Several interim solutions have been tried to correct the issues with little success.

The Wet Weather Facility screens and rakes need to be replaced in order for the facility to operate correctly. In addition to this project, other upgrades include: improving above ground access hatches, installing access ladders partially down each screen vault and installing hoists at the wet well to aid in the maintenance of the lower portion of the screening units.

This project went out to bid on September 26th. Two bids were received at the bid opening on October 28th: TBuck in the amount of \$1,728,507 and Waterline Industries in the amount of \$1,237,677.

References provided by Waterline Industries were checked by consultant Wright Pierce and all were favorable. Wright Pierce also provided a recommendation to award the project to Waterline Industries.

City of Nashua, Public Works Division

To: Board of Public Works Meeting Date: November 21, 2019

From: David L. Boucher, Superintendent
Wastewater Department

Re: Wet Weather Influent Screening Upgrade – Construction Phase Services

C. Motion: To approve the contract with Wright Pierce of Thompson, ME in an amount not to exceed \$148,800 for construction administration services for the Wet Weather Influent Screening Upgrade Project. Funding will be through: Department: 169-Wastewater; Fund: Wastewater; Activity: Wet Weather Influent Screening Upgrade.

Attachments: Wright Pierce Engineering Cost Summary

Discussion: The Wet Weather Influent Screening Upgrade Project was designed by Wright Pierce and involves the replacement of the 2 existing screen and rakes along with other upgrades to the Wet Weather Facility. The project was recently bid and Waterline Industries Corporation was the low bidder. The project will require construction management and Wright Pierce was asked to provide a scope and cost proposal for this service.

Construction is estimated to last 11 months and Wright Pierce's services will include residential engineering and construction administration. Their cost proposal of \$148,800 is approximately 12% of the \$1,237,677 construction costs. These costs are considered reasonable since construction services are typically 10 to 12% of construction costs.

EXHIBIT: FEE SCHEDULE

COST OR PRICE SUMMARY FORMAT FOR SUBAGREEMENTS UNDER THE STATE REVOLVING FUND PROGRAM				Form Approved DES 3/96
PART I - GENERAL				
1. APPLICANT - City of Nashua			2. GRANT/LOAN NO. SAG	
3. NAME OF CONTRACTOR OR SUBCONTRACTOR - Wright-Pierce			4. DATE OF PROPOSAL 10/28/2019	
5. ADDRESS OF CONTRACTOR OR SUBCONTRACTOR (Include ZIP) 230 Commercial Way, Suite 302, Portsmouth, NH 03801			6. TYPE OF SERVICE TO BE FURNISHED Nashua WWTF -WWTF Screen Upgrade - Construction Administration, Resident Services, O&M Manual, Record Drawings, and Start-up Services	
PART II - COST SUMMARY				
7. DIRECT LABOR (Specify labor categories)	HOURS	HOURLY RATE	ESTIMATED COST	TOTAL
Principal-In-Charge	4	\$69.00	\$276.00	
Project Manager	70	\$58.00	\$4,060.00	
Technical Advisor	16	\$38.00	\$608.00	
Lead Project Engineer	318	\$34.00	\$10,812.00	
Project Engineer	186	\$28.00	\$5,208.00	
Sr. Project Engineer - Civil	0	\$45.00	\$0.00	
Sr. Project Architect	12	\$38.00	\$456.00	
Sr. Project Engineer - Structural	66	\$60.00	\$3,960.00	
Project Engineer - Mechanical	5	\$42.00	\$210.00	
Sr. Project Engineer - Instrument.	66	\$43.00	\$2,838.00	
Sr. Project Engineer - Electrical	52	\$60.00	\$3,120.00	
CADD Operator	46	\$28.00	\$1,288.00	
Admin. Assistant	34	\$22.00	\$748.00	
Resident Project Representative	480	\$28.00	\$13,440.00	
DIRECT LABOR TOTAL:				\$47,024
8. INDIRECT COSTS (Specify indirect cost pools)	RATE	x BASE =	ESTIMATED COST	
	167.97%	47,024.00	\$78,986.21	
INDIRECT COSTS TOTAL:				\$78,986
9. OTHER DIRECT COSTS				
a. TRAVEL			ESTIMATED COST	
(1) TRANSPORTATION	1	\$3,643.54	\$3,643.54	
(2) Resident Services - Transportation allowance	1	\$4,583.32	\$4,583.32	
TRAVEL COSTS TOTAL:			\$8,226.86	
b. EQUIPMENT, MATERIALS, SUPPLIES (Specify categories)			ESTIMATED COST	
Printing, postage, telephone, fax, etc.	1	\$1,961.91	\$1,961.91	
EQUIPMENT SUBTOTAL :			\$1,961.91	
c. SUBCONTRACTS			ESTIMATED COST	
Material Testing - SW Cole			\$0.00	
Resident Services			\$0.00	
SUBCONTRACTS SUBTOTAL :			\$0.00	
d. OTHER (Specify categories)			ESTIMATED COST	
Resident Project Representative				
OTHER SUBTOTAL :			\$0.00	
e. OTHER DIRECT COSTS TOTAL :				\$10,189
10. TOTAL ESTIMATED COST				\$136,199
11. PROFIT				\$12,601
12. TOTAL PRICE				\$148,800.00



THE CITY OF NASHUA

Division of Public Works

Administration Department

"The Gate City"

Board of Public Works Meeting of November 21, 2019 Administration

Agenda

- A. Informational:** Removal of Invasive Species and Trees along the Nashua Riverfront
- B. Director's Report**

City of Nashua, Public Works Division

To: Board of Public Works Meeting Date: November 21, 2019

From: Lisa Fauteux, Director Public Works
Administration

Re: Memo from Community Development regarding Invasive Species Removal along the
Nashua Riverfront

A. Informational: Removal of Invasive Species and Trees along the Nashua Riverfront

Attachment: Memo from Community Development regarding Invasive Species Removal along the
Nashua Riverfront

Discussion:



City of Nashua
Community Development Division
City Hall, 229 Main Street, PO Box 2019
Nashua, New Hampshire 03061-2019
www.nashuanh.gov

Community Development	589-3095
Planning and Zoning	589-3090
Building Safety	589-3080
Code Enforcement	589-3100
Urban Programs	589-3085
Conservation Commission	589-3105
Transportation	880-0100
FAX	589-3119

October 23, 2018

Director Lisa Fauteux
Board of Public Works
11 Riverside Drive
Nashua, NH 03062

RE: Removal of Invasive Species and Trees along the Nashua Riverfront

Dear Director Fauteux,

The City's Downtown Riverfront Development Plan was adopted late in 2017 to revitalize the riverfront in the heart of our city. One of the highest priorities identified in the plan is to address invasive plants along the water's edge. The plan repeatedly states the need to open views to the river, improve access, and increase the perceived level of safety along the banks. To meet this goal the City will be trimming brush, removing trees, and treating invasive species on the downtown banks of the Nashua River this winter and spring.

To understand the extent of the invasive species infestation the City met last spring with Doug Cygan, Department of Agriculture, Invasive Species Specialist, to walk the riverfront. Thirteen varieties of invasive species were identified along the downtown riverfront between the Cotton Mill pedestrian bridge and the Railroad Bridge by BAE Systems. In working with Doug, it was determined we need to bring in professional help to treat the invasive species and remove many of the trees that the invasive species are thriving off of to be successful.

The treatment has been divided into two projects. The more accessible north bank was treated this fall by Doug Cygan, followed by brush trimming and removal. The south bank is much more complicated. To complete work on the south bank the City has contracted with a professional invasive species company, who works with NH DOT, to pull all permits necessary and complete the treatment. In addition, Economic Development in partnership with Public Works and Community Development, is bringing in a professional arborist and tree company to remove a majority of the trees on the north and south banks of the river during the month of January. This spring, a second application of the invasive species treatment is scheduled, to be followed by regular maintenance of the riverfront as part of the Downtown Riverfront Master Plan.

Sincerely,

Sarah Marchant, AICP
Community Development Division Director
City of Nashua, NH

Board of Public Works Meeting of November 21, 2019

Department Report

Engineering Department

- **2017 Sewer Rehabilitation – Various Streets.** DeFelice Corp has now completed all of the sewer pipe installation and lining for this project. Road reconstruction (new gravel and pavement) is now being performed as part of this contract on the streets where pipe was installed including Elm St, Franklin St, Lowell St, Main St and W. Pearl St.
- **2018 Sewer Rehabilitation – Kinsley St.** Newport Construction has essentially completed the work in this contract. Only minor punch list items remain.
- **2018 Sewer Rehabilitation – Harvard St.** Northeast Earth Mechanics has completed this project. Only punch list items remain. The street will be paved with another course of asphalt in the spring by the City.
- **2018 Sewer Rehabilitation – Chase St.** Northeast Earth Mechanics has completed this project. Only punch list items remain.
- **2019 Sewer Rehabilitation – Lining.** Kenyon Pipeline Inspection has completed installation of polyethylene lining for aging sewer pipes throughout the City. Almost 100 manholes and catch basins have been lined with cement to add decades of life to them. The contract also includes isolated replacement of pipes too degraded for lining. That work has yet to begin. A change order for additional sewer pipe video has been awarded to this contractor and that extra work is on-going. The video will enable the City to identify which pipes are failing and in need of repair.
- **2019 Pipeline Assessment Project.** The Ted Berry Company has been awarded a contract which consists of 60,000 feet of sewer line video. The video will help to determine which pipes are in immediate need of rehabilitation or replacement. Work is on-going.
- **Sewer Video Review.** Engineering is continuing to select streets for sewer pipe inspection as well as reviewing and assessing CCTV footage as they are completed by Kenyon, Ted Berry, National Water Main and City Waste water crews. The video will help choose sewers to be rehabilitated in 2020.
- **Long Term Control Plan – Update.** The EPA has requested the City to update its 1997 Long Term Control Plan to make recommendations for future projects to reduce CSOs and improve water quality. A kickoff meeting with Hazen was held and the project is underway.
- **CMOM project.** Engineering consultant Hazen and Sawyer continues to assess the condition of the wastewater collection system using CCTV inspection. Stormwater requirements of the MS4 permit including identify priority outfalls to inspect based on impaired waters are being addressed.
- **Marshall St Drainage Improvements.** Engineering continues working with the developer to reconstruct sections of Marshall St including sidewalks and new storm drains in the vicinity of the new development. Base pavement is expected to be placed in November.
- **Monica Drive Drainage Improvements.** RWC began Monica Drive drainage improvement construction October 29. Installation of drainage pipes and structures is completed. RWC was awarded Change Order No.2 for work to perform sewer repairs to the collapsed main in Garden Street. Change Order No.3 is being processed for additional drainage work required

due to field conditions and additional pavement quantity not included in the Contract Documents.

- **2016 Paving Program.** A zero cost change order is being issued to extend the contract time limits and use the remaining \$600,000 to pave additional roadways. It is anticipated that this work will be performed in the spring of 2020.
- **2018 Paving Program.** The carry-over streets from 2018 that could not be paved due to unforeseen weather conditions; utility conflicts and new site development conflicts have been paved in the 2019 Paving Program. Staff continues to oversee punch list items and address phone calls/emails from residences and businesses. Engineering continues to meet with Newport on various occasions to discuss the punch list.
- **2019 Paving Program (Arterial/Major Roads).** Brox has completed paving of Spit Brook Road, Main Dunstable Road, Amherst Street, West Hollis, Canal, Pine Hill, East Hollis and Kinsley Street. At this time all paving is done for the season and the contractor is working on the punch list. Engineering is currently deploying striping plans intended to provide multi-use shoulders.
- **2019 Asphalt Testing.** S.W. Cole is currently performing the plant testing of the asphalt mix and laboratory testing of the cores for both the Local and Arterial Roadway contracts.
- **2019 Paving Program (Local/Residential Roads).** Sunshine Paving has completed their base contract. Lincoln Avenue is the only remaining street on the base contract that will not be done this year due to utility conflicts. Sunshine has Gilman St, Cheshire St, Mulberry St, Monroe St and Jackson St left to pave with the remaining money on the contract and the executed change order. This remaining work will take the contractor into late November to complete this season.
- **2020 Paving Program (Local/Residential Roads).** Engineering is starting to compose a preliminary street list for next year's paving season. Final plans, specifications, cost estimate and bid docs are expected to be ready in the month of December and the project shall be advertised in early January 2020.
- **Federal Aid Paving Project.** All work on the contract has been completed. A final punch list walk through will be being scheduled and expected to be completed this month.
- **Pavement Degradation Fees.** Engineering is reviewing the draft NRO prepared by Legal. Updates to relevant sections are being looked at.
- **Traffic Improvements at Library Hill – CMAQ Project.** The Engineering Department partnered with Community Development and has submitted a grant application seeking Federal funding to improve traffic flow, provide signal system optimization, streamline intersections, add turning lanes, and improve transportation systems management and operations in the Library Hill area. This project would involve reversing the flow of traffic on Lowell St, Lock St and Canal St; provide left turn lanes on Main St, Canal St and right turn lanes on Lock St and Amherst St. Lastly, this project aims to upgrade traffic signals and mast arms in select intersections as well as to incorporate bicycle features on Library Hill in downtown Nashua.
- **Charlotte Ave Elementary School SRTS.** NHDES completed their project review and provided the project environmental commitments memo. NHDOT provided review comments to the Preliminary Plan submission and issued the Notice to Proceed with Final Design.
- **FHWA – Every Day Counts Grant.** Engineering is working with Community Development and the NHDOT to apply for a Federal Highway grant to implement safer

pedestrian travel counter measures. The project will focus on safety and connectivity in the greater downtown area. The narrative has been drafted and sent to DOT for submittal.

- **Greeley Park Boat Ramp.** Bids were recently received for this project. Unfortunately, all bids were higher than the funds budgeted for this project. DPW Street Department has volunteered to take on some of the work in the scope of this project to reduce the work for the contractor and therefore reduce his cost. A revised scope of work with lower costs has been negotiated with the low-bid contractor Northeast Earth Mechanics. Construction will begin this fall and continue through July.
- **Canal Street Bridge–Weep Holes.** Weep hole installation work is ongoing and expected to be completed this month.
- **Community Development Projects Assistance.** In addition to the Greeley Park Boat Ramp, Engineering is assisting Community Development projects with advice and review for a number of projects including the E. Hollis/Bridge St re-alignment and the Heritage Rail Trail East.
- **Utility Coordination.** The Engineering Department works on a daily basis with various utility companies to coordinate the timing and location of their work throughout the City. Coordination of work for 2020 has begun in earnest with water, gas and electric utility companies. The restoration of roads and sidewalks is also monitored to ensure conformance to City standards.
- **Utility Company Pavement Restoration Contributions.** The Engineering Department works with Pennichuck Water and Liberty gas to negotiate payments to the City in lieu of road restoration coupled with their infrastructure projects. On streets that include City work (i.e. sewer or paving) and utility work, it is more cost effective to pool City and utility company resources to reconstruct a street. The City expects to receive over \$2M in contributions from Pennichuck and Liberty for 2019. These funds will be used to reclaim and pave streets throughout the City.
- **Private Development Review.** Plan reviews include resubmittal or newly submitted: 546 Amherst St for 2 new buildings for 8 retail units at the existing SNH University, 7 Fairway Street subdivision and residential dwelling, 67 Berkeley St subdivision for a residential dwelling, 11 Lock St for 2 buildings/18 unit residential, 35 Groton Rd (Terrell Farm) for 25 residential condominiums and 301 Pine St subdivision, Applewood Estates (West Hollis St near City Line) for 7 residential 1-unit buildings.
- **Transit Center Retrofit Project.** Review of utility inspection videos is ongoing.
- **Construction Inspection.** Multiple smaller land development projects are in construction and being inspected. Sewer and gas main installation is being monitored by City inspectors. The paving program is in full swing and Engineering Inspectors have been inspecting this work as well as line striping and traffic loop installation. Inspectors also monitor work performed as part of sewer and driveway permits.
- **Survey Work.** Survey of 10 Blueberry Lane for a drainage problem, 496 Main Dunstable for an encroachment into conservation property, three sections of Allds Street for the paving program, City of Nashua Levee to find toe drains for cleaning, 9 Stadium Drive the Street Department for the installation of new gas pumps and water separation unit for the fuel tanks, surveying the layout of the three way stop for Pine Hill Road and Charron Ave and the survey of Terry Street and Watson Street for a drainage problem for the paving program.
- **Nashua Levee.** A request for proposals to repair the sewer interceptor slide gate has been drafted and is under review.

- **Street Opening Permits.** Engineering issued 52 Street Opening Permits and 17 Permits to Encumber in the month of October 2019.
- **Sewer Permits.** Four sewer permits were issued and \$1,371.00 was collected from October 1 through October 31, 2019.

Parks & Recreation Department

- **Holman Stadium.** The stadium has been winterized for the season. Replacement sod was installed and the field was edged. Interior work has begun.
- **Stellos Stadium.** Playoffs are here. The field will be prepared for the Turkey Bowl game on November 27th. This concludes the ninth season of activity on the field. The field is projected to have a lifespan of 12 years discussions will need to begin on a replacement surface somewhere around the 2023 season.
- **Summerfun.** The 2020 fund raising campaign has begun. We have a goal of raising \$20,000 in sponsorships.
- **Fall Sports Season.** The seasons have ended but the Department will continue to do field maintenance on our facilities as long as the weather allows.
- **Downtown.** Main Street was prepared for the Veteran's Day parade. We then started our seasonal decorating in preparation of this year's Stroll on November 30th.
- **Projects.** We are looking to start work at the following locations:
 - ❖ The footings for the shade sails at the Jeff Moring Playground at Roby Park have been installed and the new surface is being worked on.
 - ❖ The Atherton Ave field development is moving forward the area has been surveyed and we are currently looking at grading plans.
- **Leaves.** We have been out cleaning our parks and public spaces doing final mowing and leaf pick up.
- **Winterization.** Over 60 irrigation systems, pools, seasonal buildings, and the stadiums have been winterized for
- **Parks and Recreation Upcoming Dates.**
 - ❖ June Caron Senior Luncheon- 11/17
 - ❖ NYC Holiday Trip- 12/7
 - ❖ Santa in the Park- 12/8
 - ❖ Celtic Trip- 12/20
- **Roadside Mowing.** The contractor has completed this year's fall mowing of trails and roadside growth.
- **Biddy Basketball.** The 2019 / 2020 season has started, tryouts are completed, the draft occurred and the teams are set ready for practices and games.

Wastewater Department

- **Operations:** The Operations department continues daily operations of the facility as well as monthly inspections and checks maintaining proper operation of the facility. The operations staff brought down a secondary clarifier to clean and prep for the mechanics to replace the draft tubes. The operators drained the settled material from the bottom of the primary

digester as preventative maintenance. Two rain events were run successfully by the operators.

- **Maintenance:** Maintenance has continued preventative maintenance at the Treatment plant and the 13 outlying Pump stations. The mechanics installed a new digester recirculation pump and a rebuilt digester transfer pump. Two back flow preventers were repaired by the mechanics. Two spray bars for our screw presses were replaced this past month. The electrician rewired a gas sensor in the gas recovery room.
- **Collections:** The collection crews have completed all monthly checks of our CSO's and siphon stations, as well as assisting Maintenance in pump station inspections. The collections operators silenced noisy manhole covers throughout the city. The technicians assisted the Street department locating buried manholes on Tampa and surrounding streets. Collections responded to multiple emergencies ranging from backups to missing sewer grates on Manchester, Watson, Raymond and other streets.
- **Laboratory:** The Laboratory continues daily analyses for permit compliance and process control. The monthly QC conducted in October is acceptable and results are on file. The Quarter 3 Certification Statement for anaerobic digestion was signed and is on file. Flow reports for Hudson and BAE was submitted to Denise Lieberman for FY19. The results for SQC testing done on September 25, 2019 are acceptable and on file. The second round of sampling for the NPDES Permit Renewal was conducted on 17th and 18th of October. Due to Sample Technician error, resampling was conducted on the 22nd and 23rd of October. The next sampling date is scheduled for November 12, 2019
- **Energy Recovery Upgrades:** With issues on roof loading and concrete support pads for new generator resolved, Methuen was back on track with construction. They installed both new generators, 2 roof top radiators, steel framing for the 2 waste heat exchangers and electrical switch gear. They also started work on the exterior gas skid that will provide a constant gas pressure for the new generators. They will be working on installation of internal piping and other auxiliary components next.
- **SCADA:** Contractor EII was substantially complete with the project on 04/15/19. Wastewater is continuing to work with IT to have them setup a redundant server and needs to be completed before project can finalized
- **HVAC Upgrades:** Consultant Wright Pierce determined from the balancing company that one of the air handlers has an undersized motor and may need a large motor to properly balance the air flow in the air ducts. The Wastewater Department is continuing to work on resolving these issues.
- **Water Booster Station Upgrades:** Contractor TBuck completed the installation of the new water piping and foundation for the pump house. The delivery of the new pump house should have been delayed and is now scheduled for arrival the week of November 25th.
- **Primary Tank Upgrades:** Methuen construction is awaiting manufacture of the new chains and rakes from vendor Brentwood. A schedule on the chain delivery has been requested. The contractor has most of the underground electrical duct banks.
- **Pump Station Upgrades:** Contractor DeFelice cited additional delays on the package pump station delivery and has not stated a delivery for February 2020. Actual construction may not

start again till the ground thaws sometime in late March. At this point we are considering a winter shutdown and time extension to the contract.

- **Wet Weather Screening Upgrades:** The project went out to bid and Waterline Industries was the low bidder with a bid of \$1,237,677. Upgrades will include complete new screens and rake mechanisms that will remove debris from flow entering the wet weather facility.
- **Gas Tank Coating:** JB Safety had completed the entire exterior coating of the tank. They had an equipment malfunction on the interior coating and are working on replacing the spray equipment. We expect the internal tank to be recoated by the end of November.
- **Gas Tank Diaphragm Replacement:** The gas tank diaphragm replacement project was sent out bid in August and bids were received on September 6th. Methuen construction is the low bidder. They have been issued a notice to proceed and are working on ordering the new diaphragm. Work includes replacing the existing diaphragm, repositioning the upper internal ring to allow for easier removal of the diaphragm in the future, and changing the steel cables which are attached to external counter weights.

Street Department

- **Street Department completed tasks**
 - 5 catch basins were repaired
 - 13 manhole repairs
 - 1 sinkholes
 - 46 pothole repairs
- **Asphalt Repairs**
 - Street department crews continue to fill pot holes city wide as the weather permits.
- **Traffic**
 - 19 traffic signal problems were responded to and fixed.
 - Numerous electrical issues involving street lights have been addressed.
 - 1 street signs were replaced or repaired
- **Fleet**
 - Preventative maintenance and repair of the fleet is ongoing daily.
 - Solid Waste equipment and vehicles are repaired daily.
 - Spreaders are having calibrations checked and drag chains adjusted.
 - Plow lighting, controls and hydraulics are being checked.
 - The new brine tanks are being rechecked for proper operation.
 - Body on mason truck #33 was replaced.
- **Weld shop**
 - Snow plows are having minor repairs finished up from last winter.
 - Dumb bodies are having rot / rust repairs finished.

Solid Waste Department

- **Solid Waste Department:**
 - Phase III construction is ongoing and nearing completion.
 - The annual Recycling Calendar Contest judging has been completed and the winners' artwork will soon be on the 2020 calendars.
 - Leaf season is upon us with many large stops to be picked up.

- **Recyclables Shipped in October 2019:**
 - 449 tons of single stream recycled materials.
 - 175 tons of scrap metal sold.
 - 9 tons of E-waste.
 - 10 tons textiles, propane tanks and books.
 - 750 gallons of waste oil.
 - 471 appliances evacuated of CFC's.
 - 1 boxes rechargeable batteries.
 - The charge for single stream recycling for October is \$79.06/ ton, which cost ~ \$28,815.00 including the shipping cost for 31 loads of recyclables in the month.

- **Recycling Bins & Carts:**
 - 52 Recycling carts were sold in October.
 - 9 Recycling bins were given to 5 residents.
 - 14 Trash carts distributed.
 - 17 Trash carts repaired.

- **Permits Sold for 2019:**
 - 16220 Residential Permits.
 - 750 Commercial Permits.

- **Curbside Collection:**
 - 1923 tons MSW.
 - 312 tons Recycling
 - 435 tons SYW