

Minutes of Board of Public Works
Meeting of January 21, 2016

A regular meeting of the Board of Public Works was held on Thursday, January 21, 2016 at 5:30 p.m. at the Auditorium at City Hall, 229 Main Street, Nashua, NH 03060.

Members Present

Mayor James Donchess, Chair	Lisa Fauteux, Director of Public Works
Commissioner Paul G. Bergeron	David Simmons, Superintendent of Wastewater
Commissioner Tracey Pappas	Jeff Lafleur, Superintendent of Solid Waste
Commissioner Kevin S. Moriarty	Eric Ryder, Superintendent of Streets
Commissioner Joel Ackerman	Andy Patrician, Division Operations Manager
	Jon Ibarra, Senior Foreman
	Jeanne Walker, Deputy Manager of Engineering
	Ken Siegel, Aldermanic Liaison

Mayor Donchess called the meeting to order at 5:30 p.m. and called the roll.

Mayor Donchess: Present

Commissioner Moriarty: Present

Commissioner Pappas: Present

Commissioner Bergeron: Present

Commissioner Ackerman: Present

Mayor Donchess opened the floor for a nomination to appoint a Vice Chair for the Board of Public Works.

MOTION: Commissioner Moriarty nominates Commissioner Bergeron for the position of Vice Chair.

SECONDED: Commissioner Pappas

MOTION CARRIED: Carried Unanimously

Mayor Donchess opened the floor for discussion of where future Board of Public Works Meetings will be held. Mayor Donchess suggested they be held at City Hall. Commissioner Bergeron agreed, stating that it is convenient for Alderman who may be attending other meetings and also comfortable for the public. Commissioner Moriarty noted that it is sometimes convenient to hold it at the Division headquarters because information and items can quickly be accessed if needed or forgotten. Director Fauteux responded that she is comfortable holding the meetings at City Hall. City Hall was decided as the future location for all Board of Public Works Meetings unless a certain meeting would benefit from being held at 9 Riverside Street.

Mayor Donchess asked if Thursday was a day that worked well for everyone to attend the meetings. Commissioner Pappas stated that meetings used to be held at City Hall on Mondays. She thinks it is a benefit to hold them on Mondays because Finance Meetings are held on Wednesday and feels that it would help the Finance Committee if we held our meetings before theirs. Also, she said the Auditorium tends to be open on Monday nights so it works well for scheduling the venue.

Mayor Donchess asked how often the Finance Committee votes contingent upon Board of Public Works approval. Commissioner Pappas stated frequently since the Finance Committee meets on Wednesdays and the Board of Public Works meets on Thursday. Director Lisa Fauteux responded that other than on rare occasions, items almost always go the Board of Public works prior to going to the Finance Committee. Alderman Siegel agreed with the Director. Mayor Donchess decided to keep it on Thursdays and will look at the schedule for room availability for future meetings.

MOTION: Commissioner Pappas to approve the Agenda as presented.

SECONDED: Commissioner Moriarty

MOTION CARRIED: Carried Unanimously

MOTION: Commissioner Pappas to approve the Minutes of the Board of Public Works Meeting of December 17, 2015.

SECONDED: Commissioner Moriarty

MOTION CARRIED: Carried Unanimously

Public Comment

Alderman Deane suggested discontinuing operating under Robert's Rules and changing them to Mason's Rules, therefore removing the need to "second" each motion. Mayor Donchess suggested placing on the agenda for next month.

Mayor Donchess acknowledged the presence of Alderman Deane, Alderman Caron and Alderman Lopez, Alderman Wilshire, Alderman O'Brian; Alderman McCarthy and Alderwoman Melizzi-Golja.

Street Department:

A. Informational: Presentation on Snow Operations: It was decided by the Board to hold off on the presentation until 6:00pm.

B. Motion: Commissioner Pappas to approve the hiring of Jason Hayden of Gilford, NH to the position of Foreman, Street Department. Starting salary for this position will be \$30.24 per hour for a yearly salary of \$62,908. Funding will be through: Department: 169-Wastewater Department; Fund: Wastewater; Account Classification: 51-Salaries & Wages.

SECONDED: Commissioner Moriarty

MOTION CARRIES: Unanimously

DISCUSSION:

This position was posted internally and there were 11 internal applicants.

The interview team of Eric Ryder, Street Superintendent, Nick Caggiano, Parks & Recreation Superintendent, and Jeff LaFleur, Solid Waste Superintendent developed interview questions related to the job and scored and rated the applicants. They also participated in a written test. Two candidates were selected for a second interview conducted by Lisa Fauteux, Director of Public Works, Andy Patrician, Division Operations Manager, and Larry Budreau, Human Resources Director. After review of the candidates, it was determined by both teams that Jason Hayden would be recommended for the position.

Jason Hayden has extensive experience with the City of Nashua. Based on the interview and past experience, it was determined that he would be a valuable asset to the City.

Commissioner Pappas asked why this position is listed under the Street Department and is funded through Wastewater. Director Fauteux explained that this position is the new Street Foreman position that was created through the elimination of the Wastewater Collection System Foreman. The primary supervisory responsibilities will be overseeing wastewater collection system repair and maintenance.

Solid Waste Department

- A. Motion A:** Mayor Donchess to approve Change Order #2 to the contract with Northeast Earth Mechanics, Inc. (NEM) in the amount of \$164,340 to continue construction of the residential setback barrier wall in the Phase II landfill. Funding for this Change Order is through Department: 168 Solid Waste; Fund: Solid Waste; Account Classification: 81 Capital Improvements; Activity: Soil Wall.

SECONDED: Commissioner Moriarty

MOTION CARRIES: Unanimously

DISCUSSION:

NHDES Solid Waste Rules prohibit placement of municipal solid waste within 500 feet of a residential structure. The Four Hills lined expansion landfill (Phase I & II) was designed and constructed with the footprint of the landfill encroaching the 500-foot setback limit to residences on Farmwood Drive and Pioneer Drive. In order to comply with the residential setback rule, a barrier must be constructed within the footprint of the landfill to prevent waste from being placed in the setback. The barrier wall must be expanded annually as waste elevations in the landfill increase.

In May 2014 the City solicited bids for construction of Phase 1 of the soil wall under IFB0593-050514. Six contractors submitted bids for the project with Northeast Earth Mechanics (NEM) being the lowest bidder:

Vendor	Bid results
Northeast Earth Mechanics	\$163,727.50
Morello Construction	\$167,337.50
Daniel T. Ladd Site Work	\$203,300.00
Project Resource Group LLC	\$234,054.00
Greene & Russell, Inc.	\$266,000.00
SCS Field Services	\$297,405.00

Under the original contract in the amount of **\$163,727.50** Northeast Earth Mechanics (NEM) began initial construction in July 2014 of the residential setback barrier wall in the Phase II/Stage I landfill. Per the NHDES approved scope of work and contract executed June 10, 2014, NEM established a compacted soil foundation over the primary liner drainage sand and placed four lifts of concrete waste blocks on the foundation.

Change Order #1 in the amount of **\$163,912** provided for the continued construction of the wall to an elevation of 260 feet in the Phase II/Stage I landfill.

Change Order #2 in the amount of **\$164,340** will continue the foundation construction into the Phase II/Stage II landfill up to an elevation of 260 feet. It is the recommendation of the Solid Waste Superintendent to continue construction of the Set Back Barrier Wall with NEM. Upon approval of **Change Order #2** the **total cost of contract is \$491,979**.

Superintendent Jeff LaFleur joined the discussion. He explained that the barrier was originally called the soil wall and he changed the name to setback barrier wall to give it a more defined name. It is a wall that separates landfill waste from residential property. It is required by the DES that there be a 500 foot set back. It must be set up yearly. Northeast Earth Mechanics has performed the previous work.

- B. Motion:** Mayor Donchess to approve the selection of Mr. Brian Ricard of Nashua, NH to the position of Automated CEO Driver at the Solid Waste Department. Starting salary for this position will be \$24.01 per hour for a yearly salary of \$49,940.80. Funding for this position is through Department: 168-Solid Waste; Fund: Solid Waste; Account Classification: 51 Salaries & Wages.

SECONDED: Commissioner Pappas

MOTION CARRIES: Unanimously

DISCUSSION:

This position was posted per the AFSCME CBA and there were two internal applicants from the department.

The interview team of Jeffrey Lafleur, Solid Waste Superintendent, Andrew Patrician, DPW Operations Manager, Kevin Naro, Solid Waste Foreman, and Matt Leblanc, Solid Waste Foreman developed interview questions related to the job and scored and rated the applicants. The candidates were then administered a field test based on the requirements of the position. After review of the interviews and test scores, the Superintendent of Solid Waste recommends Mr. Ricard to the position of Automated CEO.

Mr. Ricard has been employed by the City for the past 15 years as a CEO driver and a backup Automated driver for the Solid Waste Department. Mr. Ricard currently holds a Commercial Driver's License, and has performed his duties well.

Wastewater

- A. Motion:** Mayor Donchess to approve the User Warrants as presented.

SECONDED: Commissioner Pappas

MOTION CARRIES: Unanimously

DISCUSSION:

- B. Motion:** Mayor Donchess to approve the selection of Mrs. Michelle S. Gaudette of Goffstown, NH to the position of Analytical Chemist at the Wastewater Treatment Plant. Starting salary for this position will be \$43,506 per year. Funding will be through:

Department: 169 Wastewater; Fund: Wastewater; Account Classification: 51 Salaries & Wages.

SECONDED: Commissioner Pappas

MOTION CARRIES: Unanimously

DISCUSSION:

This vacancy is the result of the promotion of Heather Larocque to Process Chemist at the BPW meeting held on December 17, 2015. This notice of vacancy was posted per the UAW – Professional CBA and there were no qualified internal applicants.

There were four qualified external candidates and all four were interviewed. The interview team consisted of David Simmons, Wastewater Superintendent, John Adie, Plant Operations Supervisor, Noelle Osborne, Laboratory Supervisor, James Lavalley, Maintenance Foreman, Heather Larocque, Process Chemist and Jeff Lafleur, Solid Waste Superintendent. The team asked a multitude of questions pertinent to the job.

After all four interviews, the interview team members unanimously agreed that, with over twelve years in laboratory experience, Mrs. Gaudette was the most qualified candidate. Mrs. Gaudette was also interviewed by Lisa Fauteux, Director of Public Works who also supports her candidacy.

Director Fauteux stated that Mrs. Gaudette is a very qualified candidate.

- C. **Motion:** Mayor Donchess to approve Change Order #2 in the amount of \$16,939.29 to the contract with Armand E. Lemire Company Co., Inc. of Hooksett, NH for the installation of new boilers at the Wastewater Treatment Facility. Funding will be through Department: 169 Wastewater; Fund: Wastewater; Account Classification: 81 Capital Improvements.

SECONDED: Commissioner Pappas

MOTION CARRIES: Unanimously

DISCUSSION:

The original contract in the amount of \$61,080 included labor only for the installation of the new boilers, demo the remaining boiler and install the condensate pump. Purchase Order # 123277 was issued. Change Order #1 in the amount of \$8,755.85 was processed when it was determined to be more advantageous to have Lemire purchase the materials (miscellaneous pipe fittings and check valves) directly.

Change Order #2 in the amount of **\$16,939.29** became necessary when the contractor went to install the three new condensate pumps, they discovered that the piping to and from the existing condensate pumps were so riddled with holes, that additional labor was necessary to replace the piping to and from the condensate pumps. Additionally, the burner controls had to be removed from the burners and relocated to allow the units to fit within the boiler room itself. This relocation required that the controls be rewired. This work was authorized at the time to not stall the project.

Finally, there were two gas pressure regulators bought with the original boilers. One regulator is rated for 1 psi and the other regulator is rated for 0.5 psi. The gas pressure at the

main at the facility is 2.0 psi. The contractor has quoted \$2,520 to purchase and install the correct size pressure regulators.

Upon approval of **Change Order #2** the **total contract value will be \$86,775.14**.

Superintendent Dave Simmons joined the discussion. Commissioner Bergeron asked if these were the contractors that took over for the company that left the boilers. Superintendent Simmons confirmed that that is the case and that they are on straight labor.

There is one boiler working right now. Once the pressure regulators are installed the second one will be up and running.

Mayor Donchess acknowledged Superintendent Simmons for his work in cleaning up the plant since he began as Superintendent with the City.

Superintendent Simmons spoke to how the wastewater discharged from the City's combined sewer overflows have improved in the last few years. In 2012 the City discharged 35 million gallons, in 2013 the City discharged 43 million gallons, in 2014 the City discharged 50 million gallons, in 2015 the City discharged 5.3 million gallons. Mayor Donchess asked that the Superintendent circulate the report to the Board. Superintendent Simmons explained what Combined Sewer Overflow is. The Collection System in Nashua is a combined sewer system. During rain events, the collection system can reach its capacity. When that happens, there are several CSO's (which is a hole in a pipe within a brick wall) and the water overflows the wall and flows into the river. The City has raised the levels of the brick walls and installed screens and a disinfection facility which takes in about million gallons into the facility during a high rain event. If the timing is right and the rain event subsides before that million gallons gets discharged into the river, it gets discharged back into the treatment plant.

Mayor Donchess said the problem with putting it into the river is that it is a combined flow of rainwater and sewage. Superintendent Simmons confirmed. He said he can't say exactly why the 90% reduction in discharge has occurred because there a multitude of reasons.

Commissioner Ackerman asked if there was a cost savings to the taxpayers for reducing the discharge. Superintendent Simmons said that it is not specifically a tax savings, but a significant environmental savings.

Street Department – Presentation on Snow Operations

Superintendent Ryder conducted a presentation on Snow Operations in the City followed by a presentation by Emergency Management Director Justin Kates on the City's response to snow emergencies. (presentation attached)

After the presentation, Mayor Donchess asked Superintendent Ryder to discuss the recently approved AVL system that will be installed in each city vehicle that plows. Superintendent Ryder explained that each device will allow headquarters to be able to see where every truck is located and will allow us to deploy our assets more efficiently and also help us respond to

emergencies more effectively. It will also let the City see where each plow has been throughout the history of the storm.

Alderman Siegel asked how AVL coordinates with the School Department. Superintendent Ryder responded that doing so hasn't been looked at but it can be.

Commissioner Pappas said she has received calls from concerned parents about school routes and bus stops not being cleared - specifically around the two walking only schools, Dr. Crisp and Mount Pleasant. She suggested subcontracting clearing sidewalks so the City could clear sidewalks around schools more quickly. There are also concerns around a large snow bank at Dr. Crisp that make it difficult to drop off kids at school. There seems to be confusion around what is Public Works responsibility to clear versus the school's responsibility. She also wondered if schools could call earlier than 5:00am to communicate whether they'll be open or not so the City would have more time to clear school sidewalks. She also wonders if Transit could help clear some of the busier bus stops since they currently clear many public bus stops.

Alderman Wilshire expressed concern about the sidewalks around Mt. Pleasant School. There is also concern about the bus stop on Harbor Ave. The Housing Authority does some of Harbor Ave on the west side and the Mobil station does a little bit, but nothing around the bus stop so people in wheel chairs have a hard time getting to the bus stop.

Alderman Lopez asked how the routes are determined for sidewalk clearing and when were they last updated. Superintendent Ryder responded that they met with the School Department at the end of last season and will meet again at the end of this season, focusing on their primary walking routes.

Alderman Lopez asked if they are developed just for schools or developed in conjunction with public transportation and City Planning. Are we doing an assessment as to whether more is needed? Director Fauteux responded that we have looked at that - we've increased the amount of sidewalk we've cleared from 20 to 50 miles.

Commissioner Bergeron suggested bringing concerns to the Street department as they are very responsive. He said that as we added housing we need to reassess. He asked what role transit plays during a snow storm. Superintendent Ryder responded that during a snow storm Transit keeps at least one lane open on Main Street. They also clear around the bus terminal, some side streets and some areas around the parking garage. Director Fauteux noted Transit has limited equipment - one bobcat.

Alderman Lopez mentioned that the Heritage Trail is cleared until Chestnut, but people can't reach the bus station. As we build more housing, more people need to reach bus stops. It seems like different parts of the City take care of certain sections but perhaps they could work together to do an overall assessment in priorities and assignments.

Alderman Siegel mentioned that every ward alderman has specific concerns for their constituents. For example his ward is less concerned with downtown and more focused on clearing for school children. Each ward has their primary concern. Unfortunately this is the reality with a 1.3% increase in cap and the limits it creates.

Alderwoman Melizzi-Golja Sidewalk expressed concerns about plowing at Bicentennial School. Parents complain that they would like to let their kids walk but the sidewalks aren't cleared so they end up driving them which creates more traffic in an area where there's already bad traffic. She suggested something needs to be done with the traffic at that location. Director Fauteux emphasized that we clear sidewalks within 48 hours. Mount Pleasant and Dr. Crisp are at the top of our list because they are walking schools. The reason the City needs 48 hours is because the same people who plow the streets are the same people driving the sidewalk tractors. Many of these workers work days on end.

Alderwoman Melizzi-Golja emphasized that she isn't being critical but has been asked to bring these points forward on an informational basis. The cleaning of Brook Village Road and the Middle School bus stop is also repeated issue. The issue is making sure the road is wide enough because they now have a full sized bus going down the road. One more area on the back of Bicentennial off of Rose Cliff there is a walkway that goes up to the school and the school department says they don't have equipment to clear it. Director Fauteux acknowledged that that is the school's responsibility and she will bring to attention of the Superintendent.

Alderman Caron acknowledged the dedication of the people hard work and wondered if the City hired contractors to clear sidewalks that might be helpful. She also asked what telephone number people could call if they have specific questions about plowing during a storm. Superintendent Ryder responded that during a storm the Street Department is manned and calls often go to the call center which are logged then forwarded to us and we will deploy resources. The Street Department's number is 589-4750. If people leave a message at that number we will give them a call back. If people leave a message on the Snow Line they won't receive a call back as it is an automated informational line only and doesn't record voicemails. Director Fauteux emphasized to please only call during an emergency because the department is very hectic during a storm. Superintendent Ryder noted that some older sidewalks are 3 feet wide and we can't get our tractors down them. Standard width that we can get a sidewalk plow down is 5 feet. The City has looked at narrower equipment that could maneuver down narrow sidewalks but they don't handle the snow like the larger equipment. It is a safety issue for our drivers to run the plow down narrow sidewalks like on Spit Brook Road.

Alderman Caron requests we do this presentation earlier in the season next year.

James Vayo, resident of Crown Hill, spoke to the Board. His daughter goes to Dr. Crisp. He said that we have an amazing snow clearing system in Nashua – two hours after a storm he feels confident going out. Mr. Vayo agrees with subcontracting. Since clearing the sidewalks

is time sensitive it is important to get them cleared before the sun comes out and starts melting snow and turns sidewalks into a sheet of ice.

Bruce Laughton of 62 Gillis Street explained that where he lives on the back side of Gillis. There are two hills that are required to traverse to get out. During the last three storms it has taken 2 ½ hours to get plowed. Director Fauteux responded that we will put it on the watch list.

Commissioner Bergeron asked what the best way to is during a snow event to communicate for residents. Superintendent Ryder responded that 589-4750 is always the best number – whether during the day or in the evening. However, if there is a snow event going on and it is still snowing, he requested people try to be patient. We have 1400 streets in the City and occasionally one is missed.

Commissioner Ackerman asked how residents know when we’ve cancelled trash. The City notifies residents through Code Red if they have signed up, otherwise residents often call the Solid Waste Department. We always post it on the City website as soon as trash is cancelled. Superintendent Ryder noted that that can be difficult because people tend to put their trash out early.

Commissioner Pappas asked that, since the City doesn’t tow cars anymore, who do residents call regarding neighbors who don’t move their cars during a storm. Superintendent Ryder responded that we do tow cars, but only during a snow emergency. When there is a threat of a car being towed, the police honk their horns and knock on doors. There is not a hard and fast rule as to when a snow emergency is called – it depends on the storm.

Engineering Department:

A. Motion: Mayor Donchess to approve the Residential and Commercial Wastewater Service Permits and Fees as submitted.

SECONDED: Commissioner Pappas

MOTION CARRIES: Unanimously

DISCUSSION:

Below is a list of Residential and Commercial Wastewater Service Permits issued for the period December 1 through December 31, 2015.

Residential and Commercial Wastewater Service Permits

December 1 through December 31, 2015

Date	Permit #	Appl #	Location Address	Name	Comments	Fees	Betterment	Entrance	Connection	10% Discount
12/1/2015	23602	13433	104 Spit Brook Rd., Unit “C”	Ed Campbell	Increase Use	\$295.00		X		

12/7/2015	23603	13434	35 Legacy Dr	Holly McCarty	New Connection	\$295.00		X		
12/7/2015	23604	13435	37 Legacy Dr.	Holly McCarty	New Connection	\$295.00		X		
12/8/2015	23605	13436	28 Conant Rd	Mike McCarthy	Reconnecting after Demo	\$295.00		X		
12/16/2015	23606	13437	9 Adelaide Ave	Holly McCarty	New Connection	\$295.00		X		
12/16/2015	23607	13438	11 Adelaide Ave	Holly McCarty	New Connection	\$295.00		X		
12/16/2015	23608	13439	12 Adelaide Ave	Holly McCarty	New Connection	\$295.00		X		
12/16/2015	23609	13440	17 Prospect St	Gary Manoogian	Increase Use	\$145.00		X		
12/28/2015	23611	13442	493 Amherst St	Ed Rimm	Change Use	\$0.00		X		
TOTAL						\$2,210.00				

B. Motion: Mayor Donchess to approve Pole License Fairpoint #288606.

SECONDED: Commissioner Pappas

MOTION CARRIES: Unanimously

DISCUSSION:

The Engineering Department received the following pole license petitions:

- License Eversource Energy #21-1199 for one new pole, No. 1166/4, to be located on Superior Drive.
- License Eversource Energy #21-1201 for one new pole, No. 9626/4, to be located on Tara Boulevard.
- License Eversource Energy #21-1184 for two new poles, No. 309/16 and No. 309/17, to be located on Court Street.
- License Eversource Energy #21-1193 for one new pole, No. 1052/28, to be located on south Main Street.

The Deputy Manager of Engineering has reviewed the plans and field installation and recommends the approval of these pole license petitions.

C. Informational: Mayor Donchess to accept and place on file the final FY16 paving list in paving contract.

SECONDED: Commissioner Pappas

MOTION CARRIES: Unanimously

DISCUSSION:

Some streets were removed from the preliminary list presented in September 2015 to accommodate utility work (e.g., water, gas, sewer, etc.) and other abutting projects. As a result, street segments were added to the list to utilize the entire paving budget. The additional streets were selected based on a PCI of 35 or lower or streets with the highest benefit values. Other streets observed to have accelerated deterioration last winter were also added. Temple Street paving was originally part of the 2015 Sewer Program and was added to the paving program to get a better unit price for asphalt. Funding for the paving of Temple St will be with sewer dollars.

The FY16 paving list includes roughly 7.2 miles of streets. Standard treatments include shim, overlay, and milling. Other work required includes replacing obsolete and broken drainage and sewer castings, repairing/replacing catch basins and manholes, replacing sewer and drain pipes, and reconstructing driveway transitions.

Alderman Siegel asked if he can refer residents with questions to this list. Director Fauteux confirmed that he can.

Commissioner Bergeron asked if this list used the new paving software. Director Fauteux said that it didn't. Training is planned for early March with implementation scheduled for late March.

- D. Informational:** Mayor Donchess to accept and place on file the CSO Consent Decree Quarterly Report to EPA. Pappas seconded - unanimous
SECONDED: Commissioner Pappas
MOTION CARRIES: Unanimously
DISCUSSION:

Administration

- A. Informational:** Update on Burke Street

Director Fauteux provided an update to the Board on the status of Burke Street.

She conveyed that she worked with Mayor Donchess to set up a committee to work on Burke Street planning consisting of Alderman Deane, Commissioner Bergeron, Carolyn O'Conner, Andy Patrician, Eric Ryder, Nick Caggiano and herself. They put out an RFP for Architects and seven architectural firms responded which was shortlisted to four. On January 28th they have a walk through scheduled with the four architects. The architects will then return on February 18th to present to the committee. Two will be chosen and negotiations will follow. She said she will keep the Board updated on progress.

Mayor Donchess thanked Alderman Deane and Commissioner Bergeron for helping define and undertake the project.

- B. Informational:** Director's Report

A series of slides showing various current Public Works projects and activities were shown.

Commissioner's Comments

Commissioner Pappas suggested that if we have extra money from snow operations this year, we keep up with basics. Most should go into paving. Also, she'd like to see more recycle carts out. Maybe discount the carts like \$30 instead of \$60. She said the bins are so much harder to empty and maintain than the carts. Windy days blow recyclables all over the neighborhood.

Commissioner Bergeron agreed. He asked about the status of condos recycling? Director Fauteux responded that we handed over the information to the associations. The issue with recycling at this point is that the market has tanked. Recycling is going to be a challenge in the upcoming years. Commissioner Ackerman mentioned that Superintendent Lafleur had mentioned that the cost was going to increase significantly? Director Fauteux confirmed that and said that they are considering putting it back out to bid. It could cost the City upwards of \$500,000 a year vs. zero dollars right now.

Commissioner Pappas asked if it was still cheaper than putting it in the landfill. Alderman Siegel said he would like to see a cost breakdown because he isn't sure it is cheaper. He said that if you look at the total energetic cost required to transport all recycling around you may be surprised. Mayor Donchess agreed that an analysis should be done.

Commissioner Pappas motioned to adjourn. Seconded by Commissioner Moriarty.

Meeting adjourned at 7:31 pm



Nashua Public Works

*Eric Ryder
Street Superintendent
January 21, 2016*

Winter Operations



Critical Components of Snow Plan

- ❖ *Winter Operations Goal*
- ❖ *Public Communications*
- ❖ *Equipment*
- ❖ *Staffing*
- ❖ *Material*
- ❖ *Weather*
- ❖ *Contracted Services*
- ❖ *Management*



Winter Operations Goal

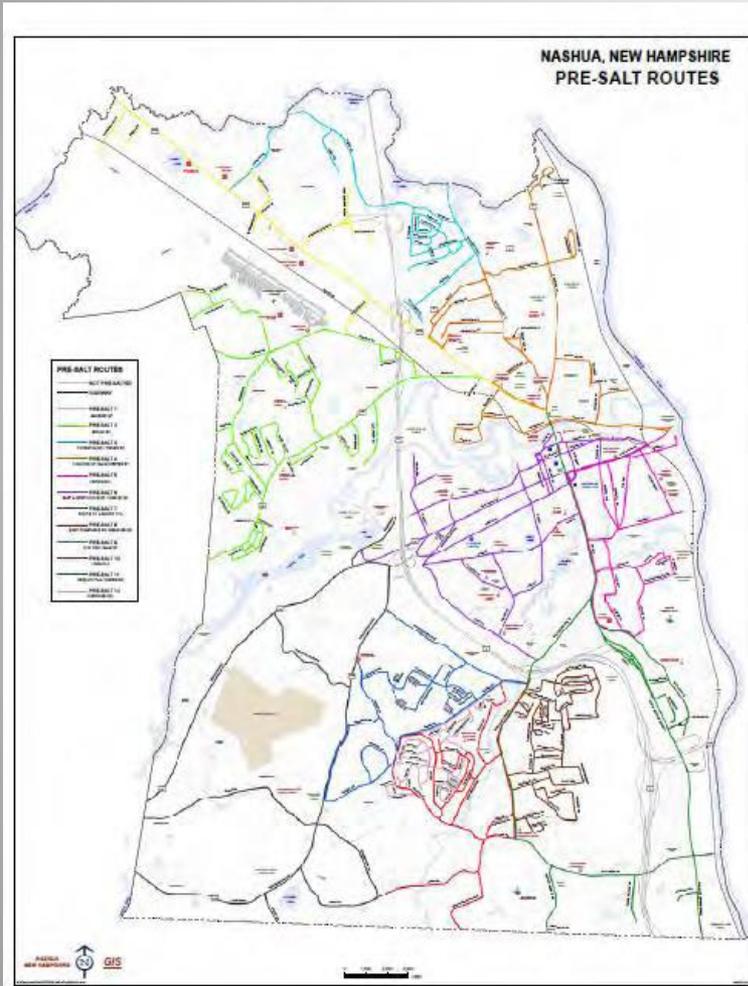
- ❖ *Maintain city streets at an acceptable level*
- ❖ *Less than 1 inch per hour is benchmark for maintaining routes and keeping those streets with 3 inches or less at any time*
- ❖ *Plow all streets on a continuous basis during a snow event*
- ❖ *Clear immediate school zone walks within 48 hours after storm has stopped*
- ❖ *Complete cleaning, pushing, and treating of all routes within 12 hours after snowfall has stopped given the rate and amount*
- ❖ *Complete entire primary sidewalk routes within 72 hours after event.*



Stages of Winter Operations

- ❖ *Stage I - Pre- Treat with salt according to routes*
 - ❖ *Stage II - Maintain pre – salt routes providing forecast and snowfall rate*
 - ❖ *Stage III - Move to citywide plowing operations once 2” amount is established on secondary roads and forecast is firm or less than 2” if temperatures are cold and salt is not melting off*
 - ❖ *Stage IV – Downsize operations once all routes are scraped – release contractors. Reassess staffing if necessary. Begin city wide post treatment on all roads with sand/salt mix. Begin sidewalk operations*
 - ❖ *Stage V – Downsize city personnel – assess and resolve any problem areas. Continue Sidewalks*
 - ❖ *Stage VI – Snow Removal: School areas, Downtown, Parking Lots*
- 

Stage I - II



Pre – Salt Routes

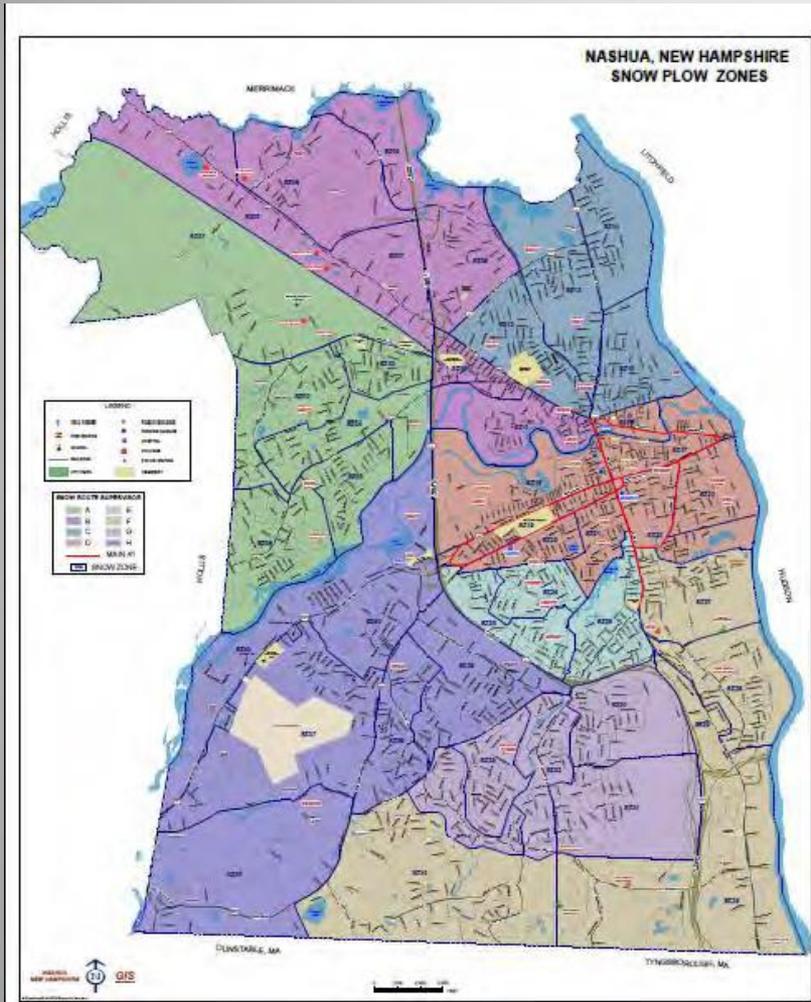
- ❖ *12 Routes*
- ❖ *Primary Roads*
- ❖ *Hills Areas*
- ❖ *Schools*
- ❖ *Forecast dependent*
- ❖ *Small Storms*



Stage III

Citywide Plowing

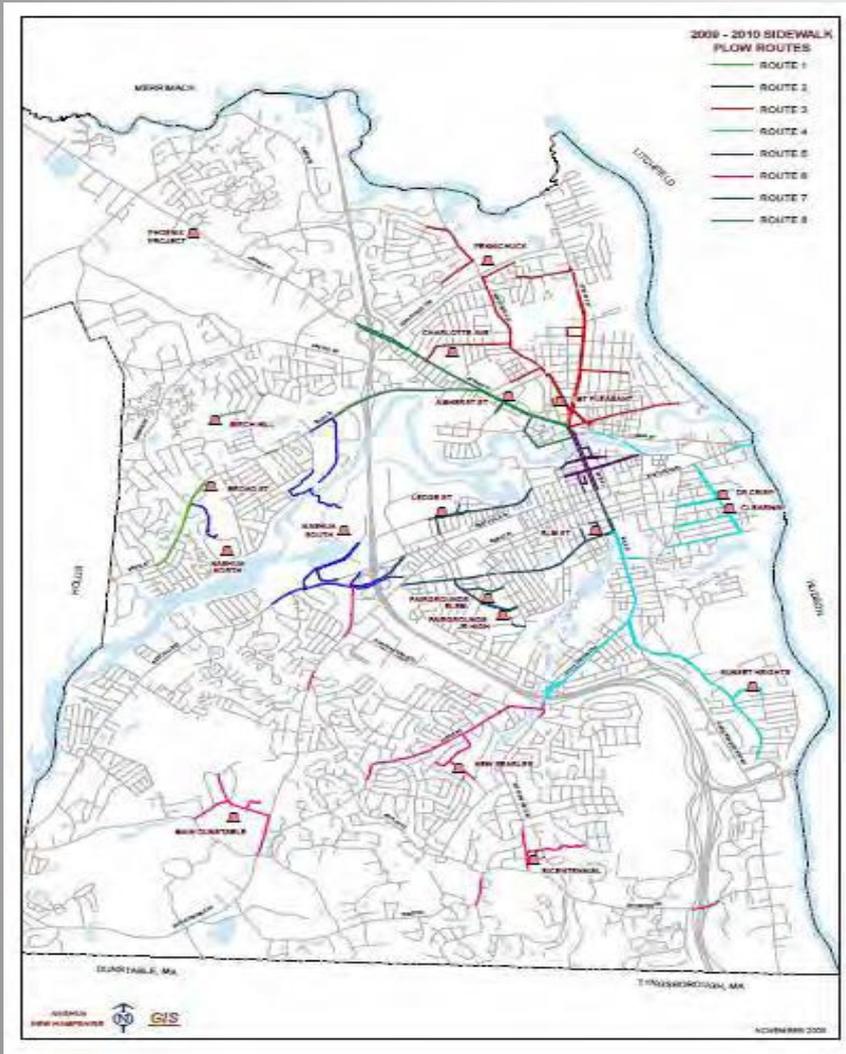
- ❖ *41 Routes*
- ❖ *80 City Pieces*
- ❖ *10 - 20 Hired*
- ❖ *1400 Streets*
- ❖ *700+ lane miles*
- ❖ *30 square miles*
- ❖ *14 schools*



Stage IV - V

Post Snow/Sidewalks

- ❖ *Hold treatment trucks for issues*
- ❖ *Release contractors*
- ❖ *8 Routes*
- ❖ *School areas are done first*
- ❖ *Streets (5), Schools (2) and Transit (1)*
- ❖ *50 miles of sidewalks cleared*



Stage VI

Snow Removal



- ❖ *Schools*
- ❖ *Downtown*
- ❖ *Some areas require long night shift work*
- ❖ *Timing – Need storm free weather for 4-5 days*
- ❖ *Parking lots – Transit Dept. maintains plowing during storm*
- ❖ *Stellos Stadium Parking lot*
- ❖ *Landfill*



Public Communications



Winter Snow Operations

Helpful Hints on how to prepare
and keep ahead of the drift....

Here are a few helpful hints on how prepare of a Winter Snow Event:

- 1. BE PREPARED:**
 - a. Store up on non-perishable food and water supplies after the Thanksgiving Holiday;
 - b. Check battery expiration date, replacing expired batteries will help in the event of a power outage;
 - c. Replenish your supply of Ice Melt or Rock Salt to lessen the chance of slipping and falling;
 - d. Alternative parking for snow weather parking has been.
- 2. STAY TUNED:**
 - a. Listen for weather updates, school closings and Snow Emergency from on your local news stations and Channel 16
- 3. SNOW EMERGENCY AND PARKING BAN:**
 - a. The Office of Emergency Management monitors the severity of incoming storms and the effect on other surrounding communities to determine the safest time to initiate the City Parking Ban. The parking ban, although seemingly intolerable at times, is put in place for public safety purposes. The removal of vehicles on City streets to allow plow trucks clear and safe passage to allow Police, Fire and other emergency service vehicles passage routes in an event of an emergency.
 - b. City Parking Lots are available for use at an out-of-town Snow Emergency "Snow Tow" event. For a list of City Parking lots, please see reverse side.
- 4. SNOW REMOVAL AND SAFE PLACEMENT:**
 - a. Snow plows primarily approach your residence from the left to right. Residential removal and placement of snow during a winter storm is best to the RIGHT side of your driveway; if looking out of your house or LEFT side of your driveway; if you're on the street looking at your house.
- 5. UPDATED STORM INFORMATION AND NON-EMERGENCY HAZARDOUS TRAVEL REPORTING :**
 - a. Snow Information Hot Line: (800)589-4795 during business hours and (888)324-1167 after hours.



CODE RED™

- ❖ *Press Releases for snow emergencies*
- ❖ *Educating the public on Winter Operations and the goals thereof*
- ❖ *In 2009 an informative webpage was created on the City Website to let citizens get a better understanding of the operation*
- ❖ *A snowline was created for updates during an active operation.*
- ❖ *Snow Beacon lights were placed throughout the city to identify snow emergencies*
- ❖ *CODE RED is an automated notification system the city can use to call up to 60,000 phone numbers per hour with a recorded message.*

Equipment



- ❖ *80 pieces*
- ❖ *Dump trucks*
- ❖ *Heavy equipment*
- ❖ *Mid size*
- ❖ *Pickups*
- ❖ *Sidewalk plows*



Staffing

- ❖ *Core group of individuals who come in for snow every time*
- ❖ *Plowing events are extended periods of continuous work that exhausts those involved*
- ❖ *Those working the long hours must also work their normal shifts and duties*
- ❖ *It takes dedication and commitment to complete all stages for any event especially for a full winter season*
- ❖ *Solid Waste personnel are primary plow operators in 10 routes*
- ❖ *This includes 8 large 6 wheel wing trucks*
- ❖ *Parks Dept plows schools throughout the city*
- ❖ *Four inner city routes are directly impacted*



Materials

- ❖ *On average salt usage is 8000 tons per winter*
- ❖ *On average sand usage is 1500-2000 ton per winter*
- ❖ *On average 2500 gallons of fuel is used per full plowing event*
- ❖ *Steel cutting edges for plows, chains for tires, wipers and lights*



Weather

- ❖ *Snowfall amounts and rates*
- ❖ *Precipitation type: Snow, sleet, and rain*
- ❖ *Air and ground temperature*
- ❖ *Wind*
- ❖ *Dew points*
- ❖ *Storm duration and development*
- ❖ *Coastal storms*
- ❖ *Flash freezes*



Contracted Services

- ❖ *Plowing contractors and forecast services*
- ❖ *The city uses 10 - 20 contracted pieces during a storm*
- ❖ *Equipment type ranges from large 6 wheel dumps, backhoes and pickups*
- ❖ *The city uses a Nashua based forecast service year round 24/7 , additional forecasters during winter only*
- ❖ *Radar via Weather Channel , local news and additional web based sources*



Management

- ❖ *Supervisors are checking areas*
- ❖ *Personnel must be arranged based on needs and moved accordingly if necessary*
- ❖ *Preparation of snow emergencies*
- ❖ *Procuring additional services if needed*
- ❖ *Schedule post storm stages of sidewalks and removal*
- ❖ *Maintain and check all aspects throughout*
- ❖ *Responsible for oversight of nonstop operation including and up to 110 people*



Plowing - Challenges



- ❖ *Snowbanks*
- ❖ *Heavy wet snow*
- ❖ *Wind Drifts*
- ❖ *Visibility*
- ❖ *Traffic*
- ❖ *Temperature change*
- ❖ *Icing*
- ❖ *Exhaustion /
Dehydration/Frustration*



Sidewalks / Snow Removal



- ❖ *Time*
- ❖ *Heavy wet snow*
- ❖ *Bank Heights*
- ❖ *Snow Amounts*
- ❖ *Equipment prep*
- ❖ *Traffic*
- ❖ *Location*
- ❖ *Icing*



Snow Removal



500,000 Yards of Snow

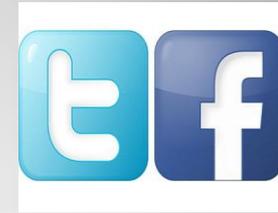


Operational Challenges

- ❖ *Timing is Everything*
- ❖ *Storms during commutes, with trash pick-up, and school in session are extremely difficult to deal with*
- ❖ *It is a fine balance all things considered*
- ❖ *It takes time – Ideal conditions are not met until well after the storm has stopped*



How to find out about Snow Emergencies/Parking Bans



Sign up for CodeRED

- ❖ Free service!
- ❖ Landline, Cell Phone, Text Message, Email, NH Alerts
- ❖ App Visit www.nashuanh.gov/CodeRED to sign up
- ❖ Contact 603-589-3260 or eoc@nashuanh.gov if you need help signing up

Snow Emergency info is also posted to:

- ❖ www.nashuanh.gov/emergency (also on banner at top of page)
- ❖ Nashua Emergency Management Facebook & Twitter @NashuaOEM
- ❖ Channel 16, 96, & 99
- ❖ Snow Line 603-589-4795
- ❖ Emergency Info Line 603-589-3456
- ❖ Local Media Outlets



Emergency Info Dashboard

❖ *Accessible via:*

– www.nashuanh.gov/emergency

– *Nashua OEM Facebook page*

❖ *Stay up to date with changes in parking bans and solid waste schedule modifications*



City of Nashua Emergency Management Dashboard



SNOW
EMERGENCY



TRAFFIC/ROAD
CONDITIONS



SCHOOLS



LIBRARY



CITY
OFFICES



TRANSIT



SOLID
WASTE



POWER



SHELTER



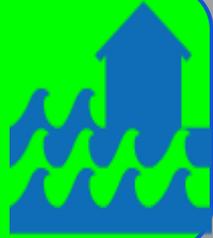
WEATHER
ALERTS



HOSPITALS



FLOODING



Click each button for more info

Winter Weather Maps

Nashua Storm Maps Gallery

City of Nashua, NH Storm Maps

This Nashua Map Gallery is a collection of web maps for the of City of Nashua, NH. The maps below display information of public interest during a storm event. After you view a map use your back button to return to the gallery

Search maps



Cumulative Snowfall Map ...



Wind and Weather ...



Road Obstructions & Road ...



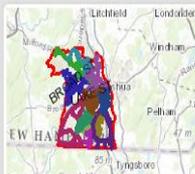
Road Closures Webmapping ...



Private Roads



Sidewalk Plow Routes



Pre-Treated Roads. The ...



Hydrant Map.



100 Year Flood Plain - ...

Sites of Interest

Below are links to sites of interest.

Weather Sites

[National Weather Service - Winter Weather Page](#)

[National Weather Service Forecast Information](#)

[Accu Weather.com - Nashua](#)

[WMUR Weather](#)

[Nashua Emergency Operations Page](#)

[Nashua Winter operations Page](#)

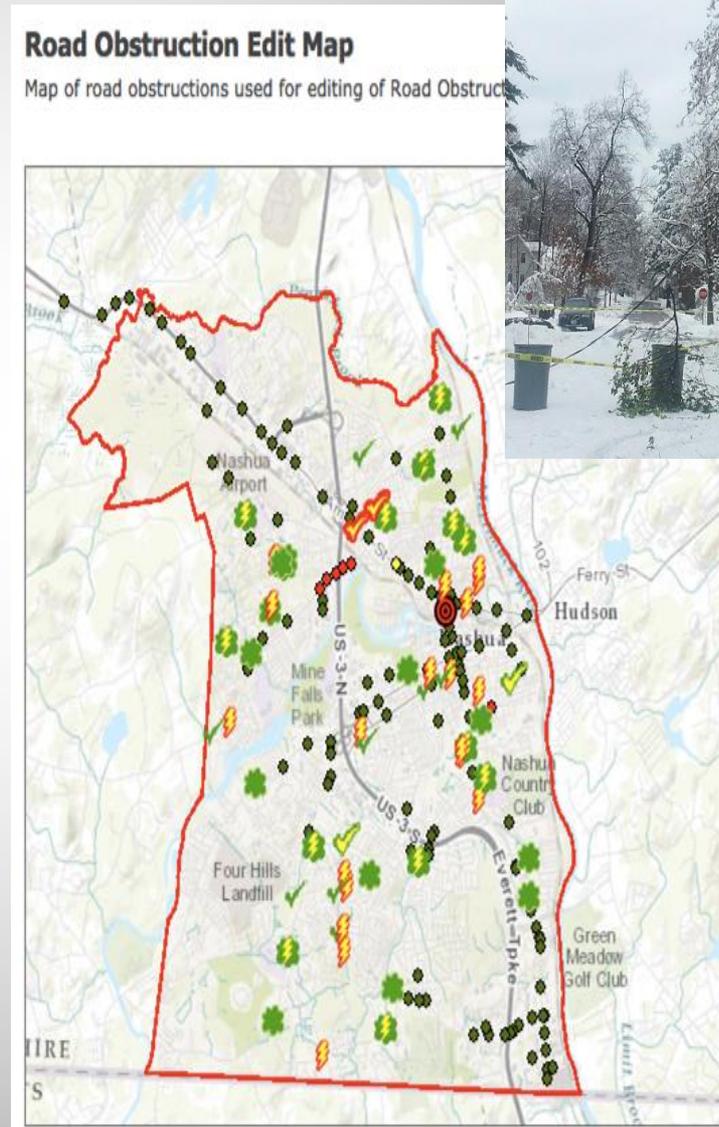
[Merrimack River Gage](#)

[Nashua River Gage @ E. Pepperell, MA](#)

[Eversource \(formerly PSNH\) Outage Map](#)

Severe Winter Storm Response

- ❖ *Report downed trees & wires, and traffic lights to Emergency Operations Center at 603-589-3456*
- ❖ *Will work to get appropriate DPW or Eversource crew sent ASAP*



We can use your help!

- ❖ *Hydrants*
- ❖ *Private Emergency Access Gates*



THE END

