

STATE OF LONDONDERRY DEPARTMENT OF PUBLIC WORKS

APRIL 22, 2024

Presented by Dave Wholley,

Director of Public Works & Municipal Facilities

FACILITY COMMITTED







- Heavily invested in modernizing facilities over the past 20+ years
- However, what's missing? Perhaps overlooked?
- Perhaps Council Resolution – Taxpayer Relief Act of 2020?
- Now it's time to discuss the possibility of a DPW facility







MAIN AREAS OF CONCERN

- Site Conditions
- Material Storage
- Equipment Storage
- Facility Inadequacies
- Operational Inefficiencies
- Employee Safety & Working Conditions

SITE CONDITIONS





- Muddy parking areas
- Muddy materials
- Muddy work areas
- Muddy mess







SITE CONDITIONS



- Ice!!
- Unsmooth surfaces
- Slow runoffs
- Ponding water









MATERIAL STORAGE



Salt bldg. #1
1986 est. $50K
1200 ton cap.

Sand shed 1981
est. $8K
250 ton cap.
Avg./yr 2500 tons

- Grossly undersized sand/salt mix shed
- Small and tight salt sheds
- All construction material uncovered
- Inadequate cold patch bin





Salt bldg. #2
2008 $225K
1500 ton cap.



Bldg. #1 and #2
Total capacity = 2700Tons
Avg./yr 3600 tons



MATERIAL STORAGE:
TRAILERS





- Total of 9 storage structures
- In/on/under or around
- Unlit, not ventilated, unstable
- Impractical/unsafe











MATERIAL STORAGE: BUILDINGS

- Inadequate storage
- Improper storage
- Limited work surfaces
- Upstairs parts room
- Flammable materials





NO sprinkler/fire or ventilation systems









NO sprinkler/fire or ventilation systems



NO sprinkler/fire or ventilation systems



EQUIPMENT STORAGE:

UNCOVERED

- Year round outside – in sun, rain, snow, ice, mud, dust, bird waste, critters, rodents, etc.



Basin truck and passenger van $235K est.



Replacement value $600K est.



(4) 1-tons with plow package $260K



(2) Large 6-wheelers $380k

EQUIPMENT STORAGE: LIMITED COVER

- Not immune to the elements
- Wildlife: critters, birds nest here









GARAGE INADEQUACIES

- No room for crimping machine
- Tight working quarters
- Spare parts and tools located in trailers













GARAGE INADEQUACIES



- Built in 1971 (50+ years old)
- 40x80 (3200 sq. ft.) $27K
- Limitations on work schedule
- Side-by-side tasks difficult
- Closes down garage for singular task
- Employees waiting on others welding/grinding/cutting









OPERATIONAL INEFFICIENCIES



- End up with an inferior product
- Clumps on screens and belts





- Wears on equipment hydraulics
- Places employees in the weather



OPERATIONAL INEFFICIENCIES

Employee bldg.
2015 est. $180K



- Tight breakroom/training room
- Small locker room, limited locker space
- Move equipment to get at equipment
- Move supplies to get at supplies
- Limited back-up power to garage













EMPLOYEE SAFETY & WORKING CONDITIONS



PUBLIC WORKS

All that we do, is in response to you!

FIRST RESPONDER

RED and BLUE FOLLOW YELLOW!!











MOVING FORWARD

- Heavily invested in modernizing facilities over the past 20+ years
- However, what's missing? Perhaps overlooked?
- Now it's time to discuss the possibility of a DPW facility

REQUEST TO AUTHORIZE & CONDUCT A FACILITY MASTER PLAN FEASIBILITY STUDY

- ✓ All previously mentioned items to be completely evaluated for lost efficiencies and inadequacies
  - ✓ Fleet management for all vehicles
  - ✓ Fuel farm for all departments – frees up space at Central Fire
  - ✓ Relocate waste oil drop off – frees up space at Central Fire
  - ~~Free up office and storage space at Town Hall~~
  - ~~Potential for additional parking at Town Hall~~
  - ~~Relocation of [illegible] location within Londonderry~~
  - ~~Storage units for other departments~~
  - ✓ Opportunity for GoGreen initiatives – solar panels/~~E.V. charging area~~
  - ✓ Wash facility to improve longevity of costly equipment
  - ✓ List goes on and on – endless opportunities to solve long-standing challenges
- ✓ Determine appropriate square footage needs for each task needed and improved response times
- ✓ Examine current location of [illegible] within Londonderry
- ○ Examine possibility for this facility to help with other community needs as follows:

MODERN FACILITY



FLEET MANAGEMENT



FUEL FARM & SALT BARN



BOUND BY THE LIMITS OF NO FACILITY

If we had:

Vac/Jet truck

Street Sweeper

Mowers – lawn maintenance

Sidewalk machine

Hot box

Bulk liquid calcium/brine storage



We could perform:

Jetting of drain lines/culverts

Sweep roads and MS4 compliance

Hire seasonal summer help – mow cemeteries and other properties

Provide winter maintenance for all sidewalks

Better and longer lasting repairs of pot holes

Make better use of pre-wet systems resulting in enhanced salt operations

THANK YOU!

QUESTIONS OR COMMENTS?