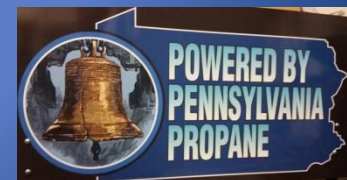


# McCandless Township Sanitary Authority



Pittsburgh Region Clean Cities  
March 9, 2022



# MTSA Serves Northern Allegheny County

- 52,000 Residents – All or parts of 7 Communities
- 44 Square Mile Service Area
- 21 Pumping Stations
- 4 Wastewater Treatment Facilities
- Over 400 miles of sanitary sewer lines
- 50 + Employees

# MTSA's Plan

- Engage our Board of Directors in the Plan
- Demonstrate the cost Benefits
- Promote Propane as our alternate Fuel Source
- Explore funding sources
- Emphasis on freedom of foreign oil prices
- Convert two to three existing newer vehicles
- Start small, keep good records & provide reports on success and failures of program
- Educate Employees in benefit of Program

Pennsylvania Department of Environmental Protection

# Alternative Fuels Incentive Grants

- 2013/14 Grant – Propane Bi-Fuel Conversion Program
  - 50% Matching Grant
  - Propane Fueling Station Installed
- 2016 Grant – Phase II Propane Bi-Fuel Conversion Program
  - 50% Matching Funds
  - Training of In-House Mechanics / Computer Software Purchased
- 2018 Grant – Propane Bi-Fuel Conversion Installation Phase
  - 100% Funded by PA DEP
  - In-House Mechanics did complete installations

# MTSA Propane Powered Vehicle Listing

- 2006 E-450 Ford Cube Van – Lines Maintenance
- 2009 F-550 Ford Service Body – Facilities Mechanics
- 2013 F-250 6.2L Pickup Truck – Foreman
- 2013 F-250 6.2L Pickup Truck – Foreman
- 2014 F-550 Ford Dump Truck – Snow Plowing / Material Hauling
- 2016 Ford Transit Van – Inspection Services
- 2016 Ford F-150 Pickup Truck – Plant Operations Manager
- 2016 Ford F-150 Pickup Truck- Lines Division Foreman
- 2018 Chevy Cut-Away Van – Lines Maintenance
- 2018 Ford F-550 4-Door Service Body Truck – Line / Plumbing
- 2019 Ford F-250 Pickup Truck – Facility Operations
- 2019 Ford F-250 Pickup Truck – Facility Operations
- 2020 Ford F-550 Service Body – Lines Installation Crew \*\*
  - Vehicle was in an accident and was totaled – Replaced with a 2022 Ford f-550 – currently having propane kit installed

# Summary Report

- Vehicle Drivers are tracking mileage, reliability and performance – Send Report to PA DEP
- Tracking fuel differential - Throughout our program Propane has been over 1.00/gallon less than gasoline
- How weather affects vehicles – driving conditions
- Employee opinion - “buy in” of program
- Maintenance of vehicles – Minimal requirements
- Keep the MTSA Board Informed of Success of Program
- Communication is the key to Success

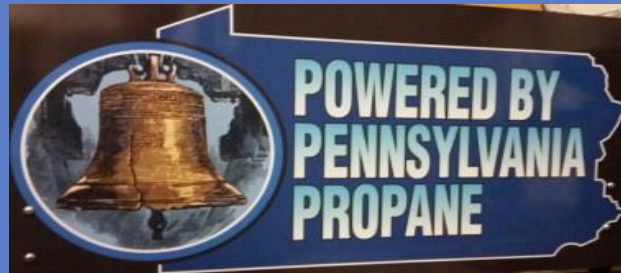


## 1000 Gallon Propane Storage Tank & Dispensing Pump

The Authority decided in 2014 that it would be best for the Authority to have its own fueling station on site. We have both diesel and gasoline storage tanks and pumps already; with the nature of our business, it was felt that having access to fuel on a 24 hour – 7 day a week basis was important. The decision to move in this direction became very easy when our research revealed that we could lease an above ground storage tank and pump for a minimal fee. Our only responsibility was to provide the required electric supply and install a fuel pad that meets the standard requirements for propane fueling. This whole process was well under \$16,000.00. Although our propane fueling station is for our private use, we have offered to allow our neighboring governmental agencies/ municipalities the option to fuel here should they began a propane program of their own. We also have other propane powered equipment, such as forklifts, that prior to having the fueling station had to have their tanks fueled elsewhere.

## Key Notes:

1. Pro Gas monitors our system & makes deliveries on a routine basis
2. Dispensing system was able to be tied into our current fuel logging system to track usage
3. MTSA maintains system with assistance from Pro Gas
4. Propane continues to remain at least \$1.00 less than gasoline
5. Propane serves as an alternate fuel source if shortages occur with gasoline





# Partners in our Success

- Pennsylvania Department of Environmental Protection
- Pittsburgh Region of Clean Cities
- Pro Gas of Zelienople PA
- Blossman Services, Inc. of Swannanoa, NC

Thank you

Dennis J Blakley

[dennisblakley@mtsaonline.org](mailto:dennisblakley@mtsaonline.org)