



March 24, 2022

Unclaimed Property

Resolution 1453



What is Unclaimed Property?

- Funds that remain unclaimed one year after a customer terminates service or three years after a vendor receives payment
- For KUB, unclaimed property includes:
 - Customer deposits
 - Overpayments
 - Advances for construction
 - Outstanding vendor payments

State Law Governs Unclaimed Property

- Annual reporting and remittance
- Due diligence to locate rightful owners
 - KUB – 1 year customers / 3 years vendors
 - State – 18 months
- Return of previously remitted funds
 - Board Resolution
 - Future obligation for valid claims

Resolution 1453

Resolution requests return of \$115,838 of unclaimed funds previously remitted to the State,
less administrative fees

KUB



March 24, 2022

Water Storage Facility Inspection Program



Water Storage: Key to Resiliency and Effectiveness

- 28 storage facilities
- Two clearwells at MBW
- 36.9 million gallons in storage total
- Constructed of steel or concrete
- Elevated or ground storage
- Storage provides water capacity for:
 - Fires/emergencies
 - Peak times of customer needs
 - Managing system pressures



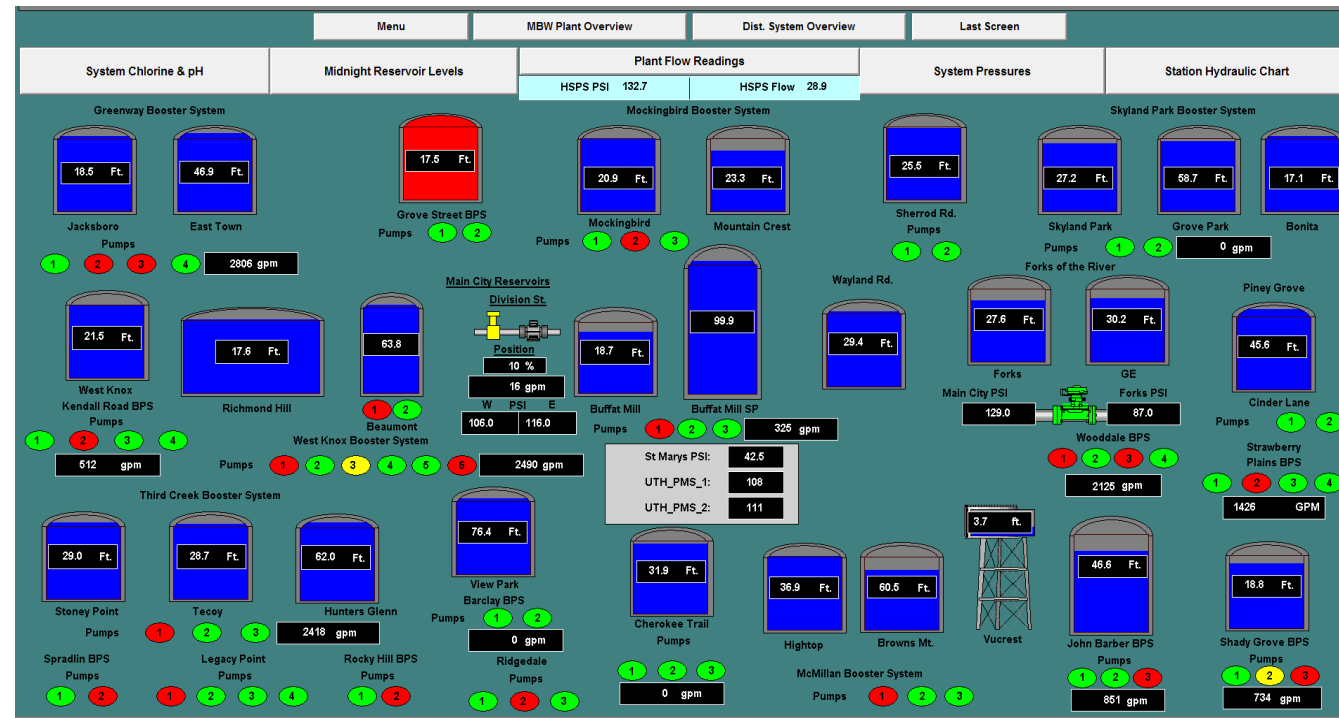
Cherokee Trail



Shady Grove

Water Storage Facilities Have Automation

- Continuous monitoring
- System operates based on pressure and/or tank levels
- Alarms for intrusion/access on gates and hatches
- Water quality monitored remotely and by discrete sampling
- Several facilities have mixing systems

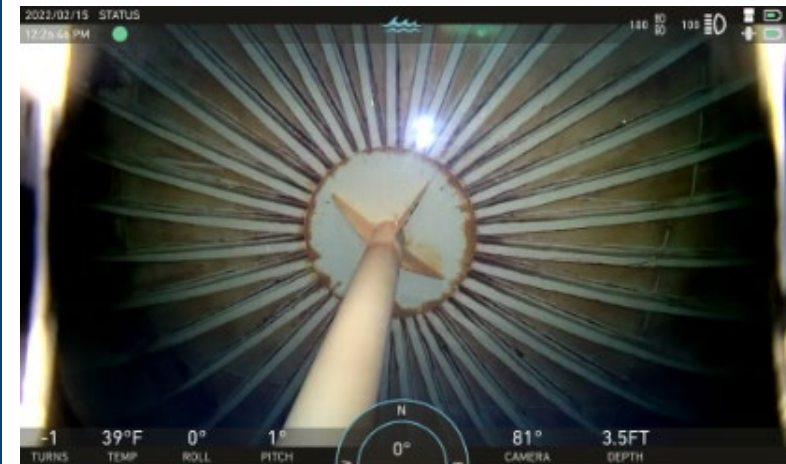


Water Storage Inspection and Maintenance Maximizes Useful Life

- Tanks inspected on five-year cycle
- Inspections include
 - Structural integrity
 - Coating integrity
 - Surface/weld conditions
 - Components (ladders, vents, overflows)



Mountain Crest



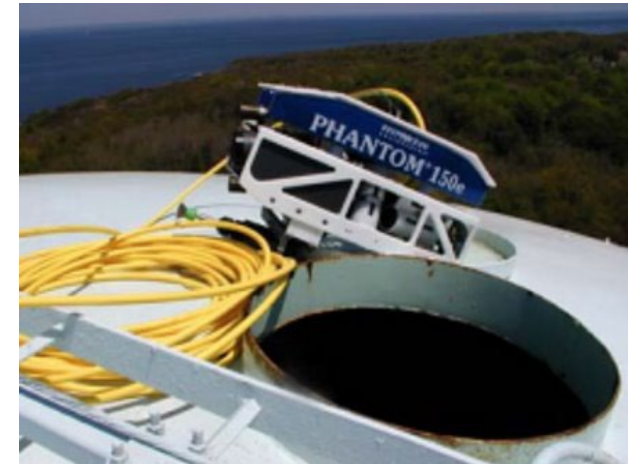
Shady Grove

Types of Water Storage Facility Inspections

- Strategic Out of Service Inspections (OOS)
 - ✓ More accurate assessment
 - ✓ Perform minor maintenance as identified
 - ✓ Ability to exercise system valves and test resiliency
 - X Extensive planning and coordination
 - X Reduces storage capacity during outage
- Inspections with Rover
 - ✓ Performed without interruption
 - ✓ Reduced planning and resource commitment
 - X Reduced visibility
 - X Inability to make minor repairs



OOS Inspection



Rover Inspection

2022 Planned Inspection Schedule Complete

Out of Service (OOS) Inspections

- MBW West Clearwell
- Sherrod Road
- Mockingbird

Rover Inspections

- Mountain Crest
- Shady Grove
- MBW Intermediate Clearwell



Grove Park

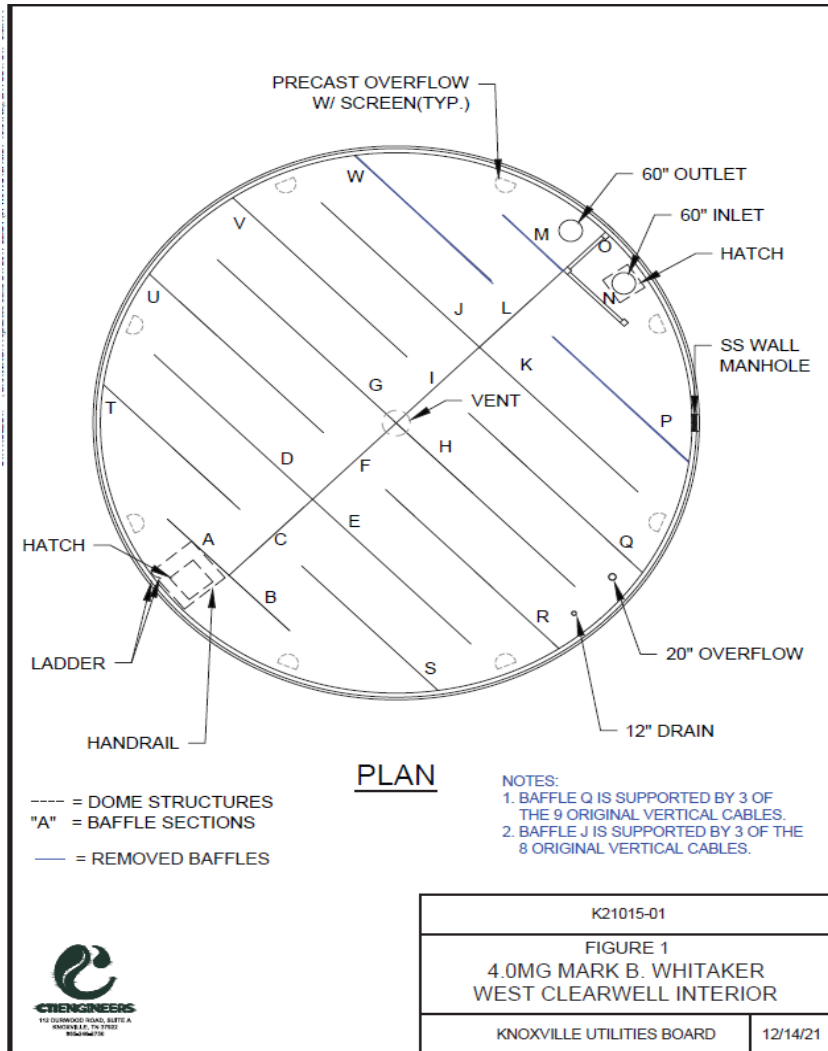
MBW West Clearwell Inspection

- Inspection completed December 2021
- OOS for eight days
- First time offline >15 years
- 4-million-gallon capacity
- 135 ft diameter
- Major finding: failed baffles that could have compromised flow of tank and potential damage to high service pumps
- Damaged baffles were removed from tank



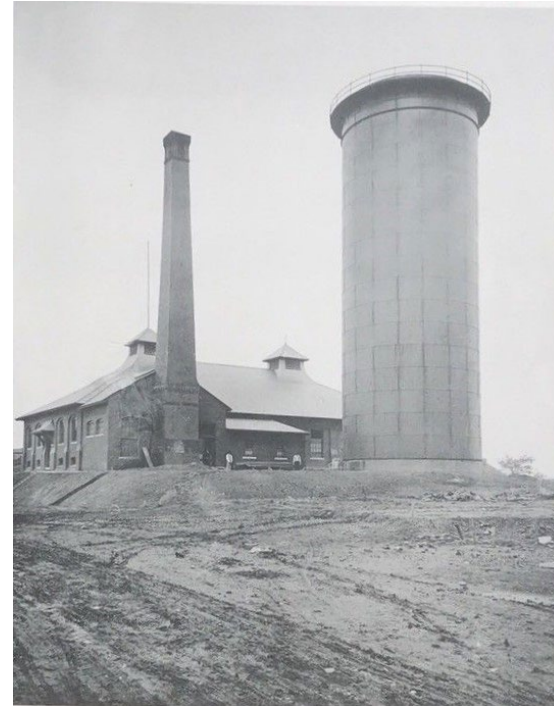
MBW West Clearwell

Clearwell Baffle System



Water Storage Inspection Ensures System Reliability and Quality

- Maintain high quality drinking water
- Extend the life cycle of assets to reduce costs
 - Make strategic small repairs
- Effective replacement and rehabilitation programs
- Tactical knowledge of how our system operates
- *Maintainability* of all our system components
- Meet regulatory requirement



Questions?

KUB



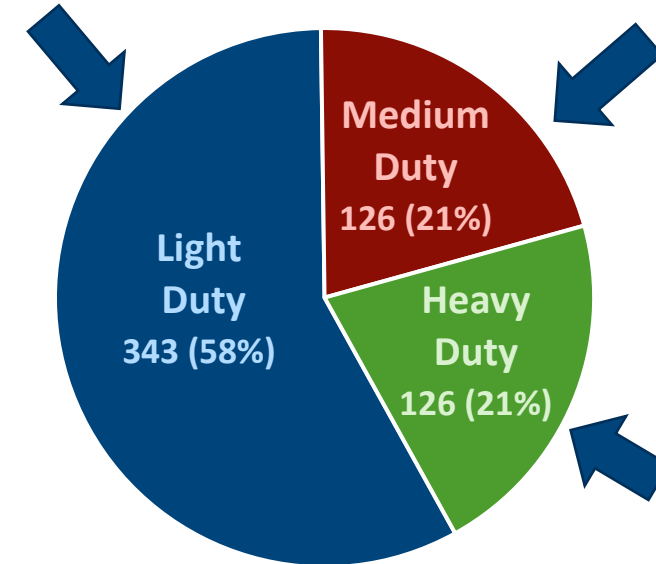
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KUB Fleet Modernization Strategy



Fleet Overview

- Over 1,000 fleet assets
 - 594 roadway vehicles
 - 320 equipment and trailers
 - 147 truck-mounted equipment
- Managed/maintained by 15 mechanics
- Two maintenance garages plus field support



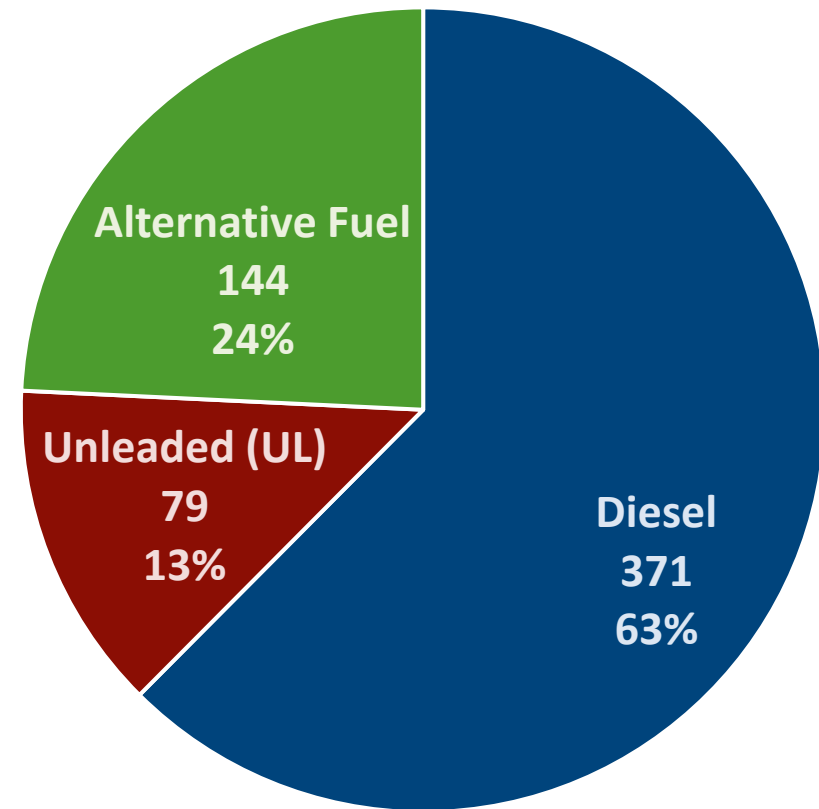
Roadway Vehicle Classifications



Alternative Fuel Technology Continues to Evolve

- Heavy duty
 - 7 hybrid bucket trucks
 - 3 CNG dump trucks
- Medium duty
 - 4 hybrid trouble trucks
 - 1 CNG van
- Light duty
 - 64 CNG/UL trucks and vans
 - 52 E85/UL trucks and vans
 - 12 hybrid/UL trucks and SUVs
 - 1 EV sedan

Roadway Vehicles by Fuel Type



Fleet Modernization Focus

All Electric
Nissan Leaf



Average Age
& Downtime

Number of
AFVs

Tailpipe
Emissions

Hybrid/UL
Ford Escape



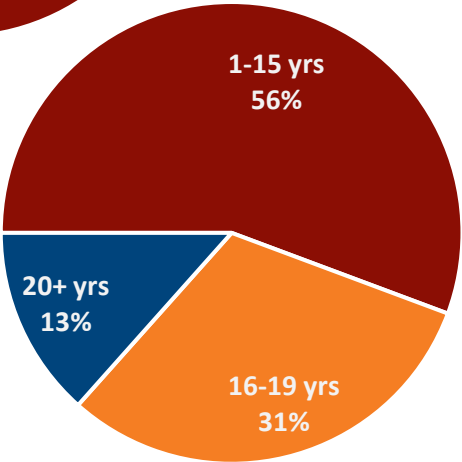
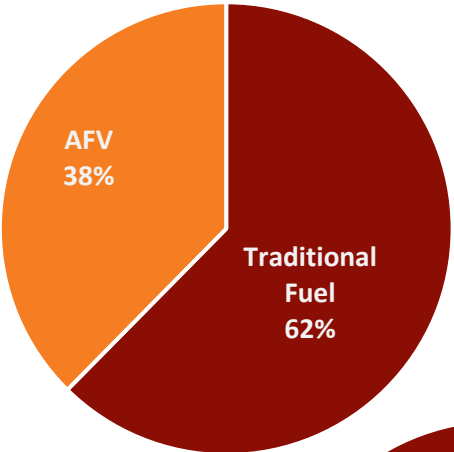
CNG/UL
Ford F-150 Pickup Truck



E85/UL
Ford F-250 Pickup Truck

Greener, Modernized Fleet

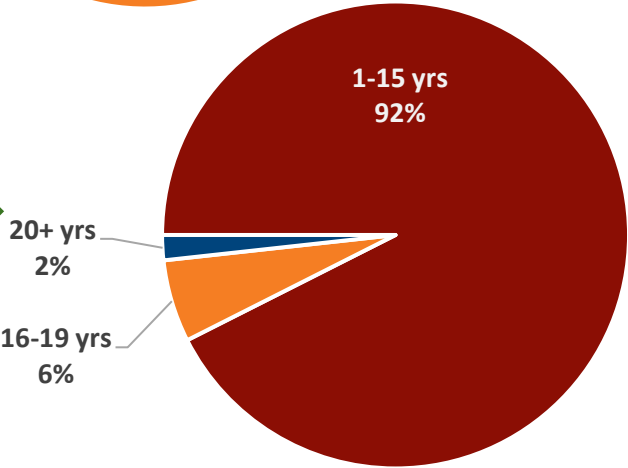
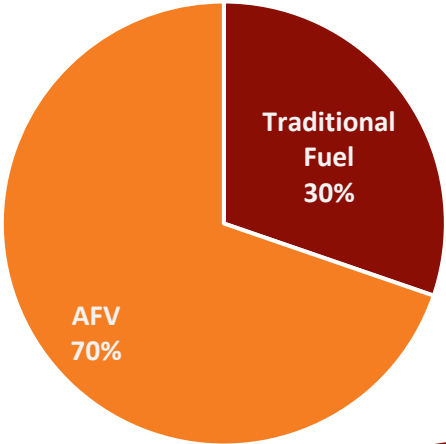
Current FY22 Fleet



Greener Light Duty Fleet

Reliable/Newer Light Duty Fleet

Projected FY31 Fleet



~16% Emissions Reduction

Modernization Strategies

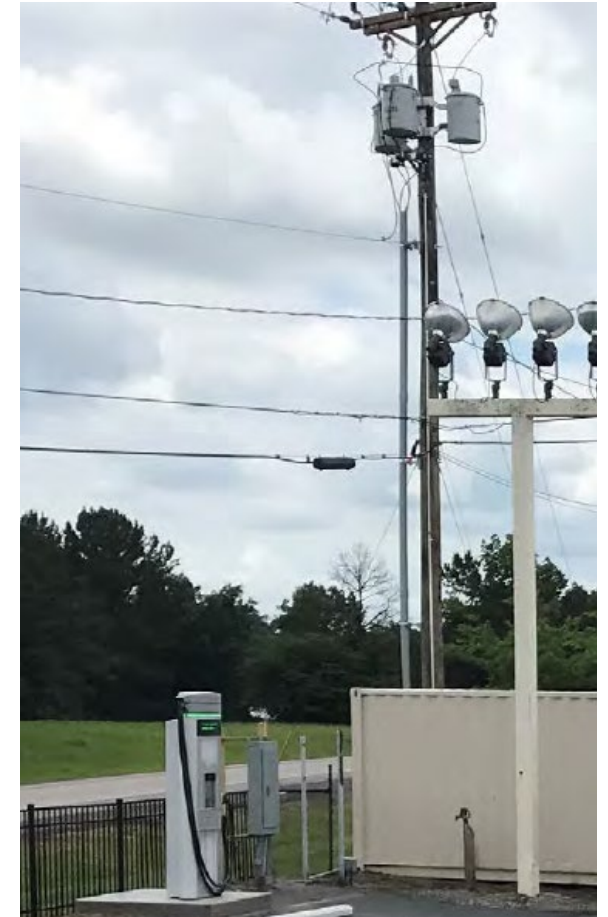
- Emissions reduction
 - Establish AFV purchasing priority/criteria
 - Right tool/vehicle for the job
 - Right size fleet (motor pools)
- Fleet improvements
 - Enhance replacement criteria
 - Expand utilization analyses



Priority	Fuel Type
TIER I	Zero Emissions Vehicle (ZEV)
TIER II	Alternative Fueled Internal Combustion Engine (CNG)
TIER III	Hybrid Internal Combustion Engine
TIER IV	E85 Flex Fuel
TIER V	Conventional Internal Combustion Engine – Gasoline
TIER VI	Conventional Internal Combustion Engine – Diesel

Alternative Fuel Vehicle Infrastructure

- Existing quick-fill CNG station
- 18 existing EV charging stations
- Additional EV charging infrastructure and technologies



Data Collection and Vehicle Aesthetics

- Use technology for data collection
 - Expand use of data analytics
 - Increase efficiency with advanced asset management
 - Monitor and manage vehicle tailpipe emissions
 - Improve overall cost management
- Focus on fleet aesthetics with increased use of wrap technology



Fleet Awards

- NAFA 100 Best Fleets: 2009 – 2021
- NAFA Top Green Fleets: 2020 (inaugural year) and 2021
- Heavy Duty Trucking Top Green Fleets: 2020
- Tennessee Green Fleets One Star Certification



KUB