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
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
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)
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
  ✗ Extensive planning and coordination
  ✗ Reduces storage capacity during outage

• Inspections with Rover
  ✓ Performed without interruption
  ✓ Reduced planning and resource commitment
  ✗ Reduced visibility
  ✗ Inability to make minor repairs
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
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
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 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

- Heavy Duty: 126 (21%)
- Medium Duty: 126 (21%)
- Light Duty: 343 (58%)
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**

- **Diesel**
  - 371 (63%)

- **Unleaded (UL)**
  - 79 (13%)

- **Alternative Fuel**
  - 144 (24%)
Fleet Modernization Focus

- All Electric
  - Nissan Leaf

- CNG/UL
  - Ford F-150 Pickup Truck

- Hybrid/UL
  - Ford Escape

- E85/UL
  - Ford F-250 Pickup Truck

- Number of AFVs

- Tailpipe Emissions

- Average Age & Downtime
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

<table>
<thead>
<tr>
<th>Priority</th>
<th>Fuel Type</th>
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<tbody>
<tr>
<td>TIER I</td>
<td>Zero Emissions Vehicle (ZEV)</td>
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<tr>
<td>TIER II</td>
<td>Alternative Fueled Internal Combustion Engine (CNG)</td>
</tr>
<tr>
<td>TIER III</td>
<td>Hybrid Internal Combustion Engine</td>
</tr>
<tr>
<td>TIER IV</td>
<td>E85 Flex Fuel</td>
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<tr>
<td>TIER V</td>
<td>Conventional Internal Combustion Engine – Gasoline</td>
</tr>
<tr>
<td>TIER VI</td>
<td>Conventional Internal Combustion Engine – Diesel</td>
</tr>
</tbody>
</table>
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