Safety Matters

Implementing Driving Simulators to Improve Safety Performance of Collection Operations

Presented by Wayne Snow
Presentation Topics

Why Safety Matters
- Risks of not training
- Costs of crashes
- Benefits of safety and refresher training

Why Simulation
- Compare adult learning methods
- Discuss how driving simulation is an established, proven method for training

Training Program
- Targeted training paths, task-based curriculum
- Blended learning and performance optimization delivers targeted training
WHY SAFETY MATTERS
Benefits of Continuous Improvement
Why Safety Matters

Waste & recycling collection has the 5TH HIGHEST FATALITY RATE of any job in the U.S.
Higher than police officers or firefighters

On average, 1 U.S. waste worker dies weekly on the job

Fatality rate generally continues to increase since 2009

Many fatalities occur at smaller private fleets (i.e., small and medium-sized charters)
Cause of Fatalities

- Backing Up
- Struck by equipment
- Equipment Rollover
WHY SIMULATION?

A New Approach to Driver Training
Driver Training Challenges

- Behind-the-wheel training risky
- Driving environments difficult to stage
- Uncontrollable, risky conditions
- Exposure to dangerous situations
- Familiar with potential risks
- Practice appropriate responses
- No accountability for mistakes
- Negative impact on learning
Why Simulation Works

- Proven training tool
- Increased Learning Retention
- Risk-Free Environment
- Progressive Skill Development
- Scenario Customization
- Standardize Curriculum
- Situational Awareness
TRAINING PROGRAM

Essential Components of Simulation-Based Training Program
Targeted Training Paths

Entry-Level & New Hire Onboarding

Post Incident & Remediation

Fleet Performance Management Services

Pre-Hire Screening Assessment Tools

Safety Refresher Skills Training

Advanced Skills & Career Development
Task-Based Curriculum

- Quality curriculum crucial to success
- Identify driver tasks in the workplace
- Analyze related industry tasks
- Develop measurable learning objectives
- Create base curriculum
Point-of-Need Delivery

- Computer-Based
- Instructor-Led
- Driving Simulators
- Training Centers
- Online Training
- Training Services
Blended Learning integrates technology with traditional learning methods to affect measurable growth in human performance.

- Computer-Based Training
- Instructor-Led Training
- Simulator-Based Training

Integrates technology with traditional learning methods to affect measurable growth in human performance.
Performance Optimization

- Effective learning retention
- Accelerated learning
- Reduces training lifecycle costs
- Immediate coaching
- Real-time scoreboards
For More Information

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- Network of Employers for Traffic Safety (NETS)
  www.trafficsafety.org

- National Highway Traffic Safety Administration (NHTSA)
  www.nhtsa.dot.gov

- Occupational Safety and Health Administration (OSHA)
  www.osha.gov/SLTC/motorvehiclesafety

- National Institute for Occupational Safety and Health (NIOSH)
  www.cdc.gov/niosh