



# Environmental & Sustainability Management System (ESMS)

Planning & Development Committee

March 1, 2016

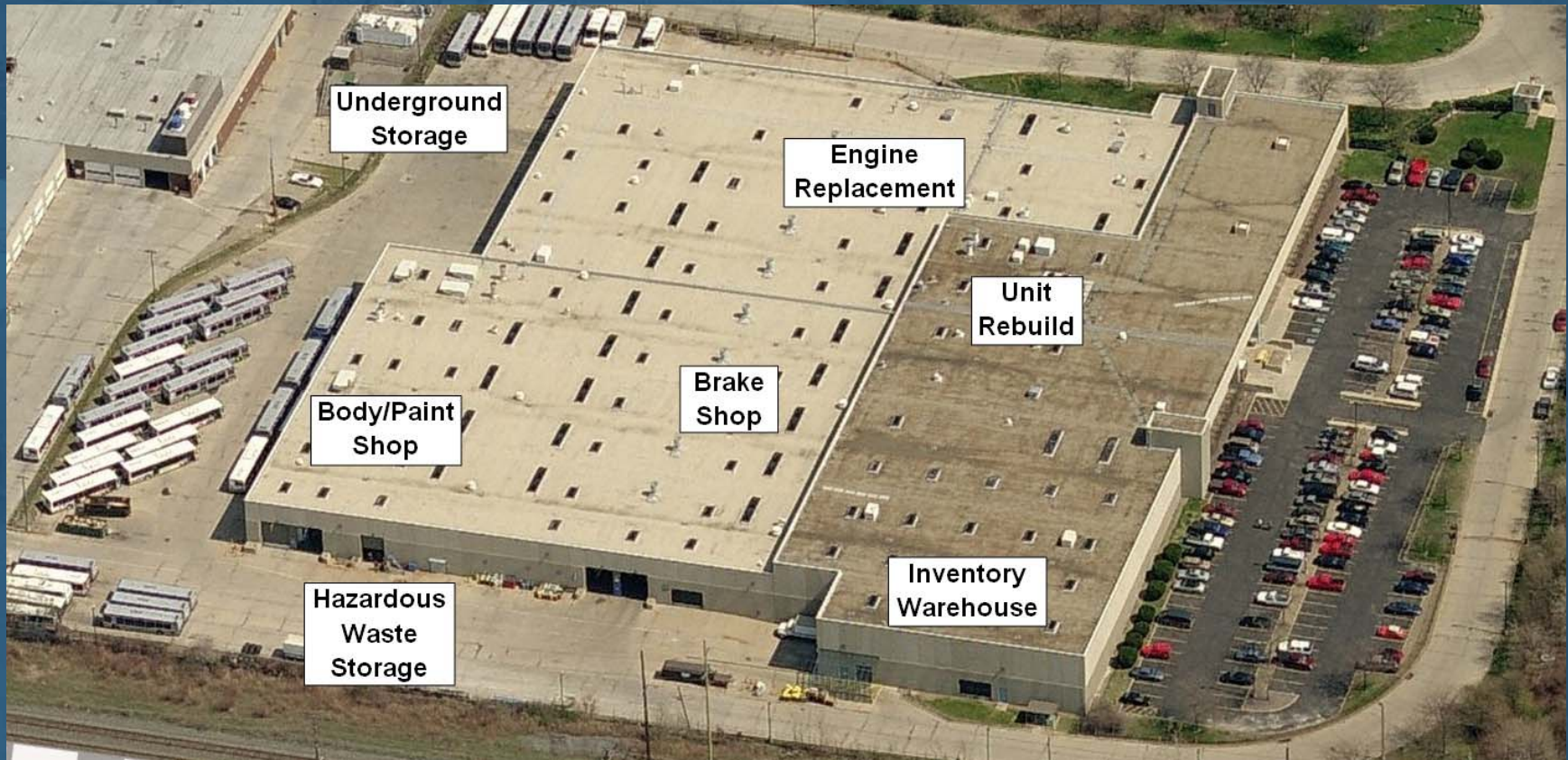
Greater Cleveland Regional Transit Authority



# CBMF ISO 14001 Certified



# CBMF Facility Aerial



# ESMS/CBMF Core Team

- Mike Schipper, Eng & Proj Mgmt
- Ron Baron, CBMF
- Kevin Stanley, CBMF
- Kari Solomon, OMB
- Steve Peganoff, Safety

# Triskett Core Team

- Cathy Eaton
- Daveda Bencs
- Bryan Moore
- Mike Puleo

# Hayden Core Team

- Flounsay Caver
- Yari Cora
- Glenn Marzette
- John Sperhac

# Five Significant Aspects - CBMF

- Lead Acid Bus Batteries
- Scrap Metals
- Used Rags
- Waste Cardboard
- Waste Paper

# Objects, Targets, & Programs

- Established for all five significant aspects
- Baseline data obtained in 2014
- Training and communication programs were developed and began in November 2014
- Completion by December 31, 2015



## 2015 4Q YTD Results

- AGM Batteries installed in 230 buses vs goal of 186 at end of 2015
- AGM Battery life 132,900 miles vs 133,600 goal
- Lead Acid Battery life 77,000 vs 70,100 goal
- Landfill Waste 15.0 tons vs 13.5 tons/mo goal
- Waste Paper 286 lbs vs 259 lbs/mo goal

## 2015 YTD Results (con't)

- Used Rags use 533 lbs vs goal of 795 lbs/mo
- Scrap Metal recycling 11,100 lbs vs 17,500 lbs/mo goal
- Waste Cardboard recycling 2.2 vs 1.2 tons/mo
- Weekly Spot Checks 98% vs 100% goal
- Equipment Calibration 100% vs 100% goal

# 2014-2015 Cost Savings/Avoidance

<u>Item</u>	<u>2014</u>	<u>2015</u>
Battery Program	\$ 61,000	\$103,000
Used Rags	\$ 1,000	\$ 3,000
Scrap Metal	\$ 62,000	\$ 25,000
Waste Cardboard	\$ 1,500	\$ 2,000
<u>Paper</u>	<u>\$ 1,500</u>	<u>\$ 2,000</u>
Total	\$127,000	\$135,000

## Activities Since Last Update

- 47 of 47 CAR's/PAR's closed thru 12-31-15
- Core team for CBMF has identified three new significant aspects for 2016
- Core teams for Hayden and Triskett have began identifying aspects and ranking.
- Ron Baron and Kevin Stanley received training on the new ISO 14001:2015 standard at Virginia Tech in January 2016

## Decisions Since Last Update

- ESMS Core Team recommended revisions to the Triskett and Hayden Core Teams
- ESMS Core Team recommended CBMF selection of Electricity Consumption, Paints, Primers, and Thinners, and Spill Protection as their new significant aspects.
- EMT concurred with both on February 16, 2016.

# Future Activities

- ESMS implementation at Hayden and Triskett is ongoing
- Members of the CBMF Core Team will begin implementing the ESMS for their new significant aspects and implementing the new ISO 14001:2015 Standard

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