Session H3: Strategic Energy Management
Superior Energy Performance
Implementation Case Study:
Cummins Rocky Mount Engine Plant

Thursday, October 1, 2015
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### Facilities Engineer / Energy Leader
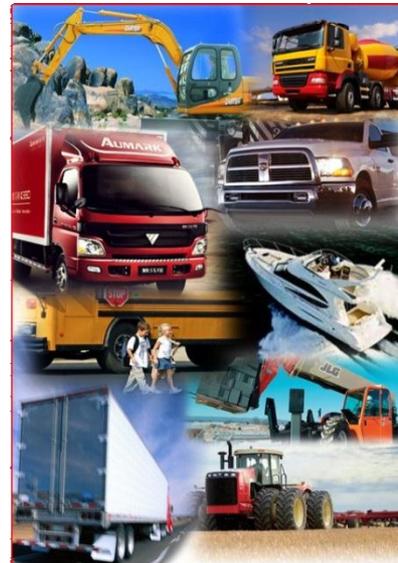
Topic Outline

- Cummins Commitment to Energy and Greenhouse Gas Reduction

- RMEP Information

- Challenges to Implement SEP

- Benefits from Implementing SEP

- Next Steps

Cummins – Energy & GHG
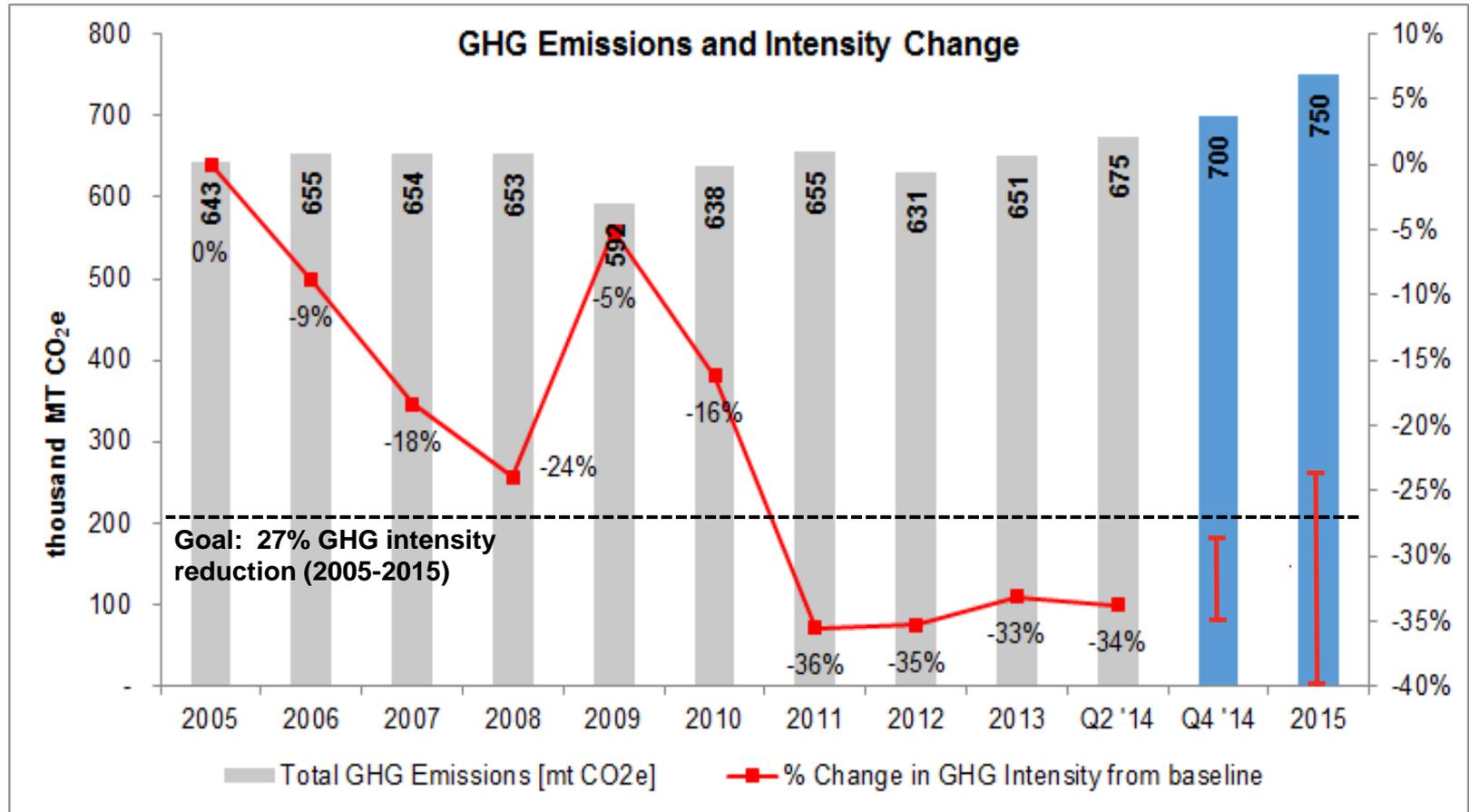
GHG intensity: metric tons CO_2e normalized by total revenue (consolidated sites only)

Cummins RMEP

The largest energy consumer out of 300 Cummins facilities Worldwide

Challenges to Implementing SEP

Cost

Resources

Metering / SEU

ISO 14001

ISO 18001

ISO 50001

SEP Tools

Projects

Benefits to Implementing SEP

Provides a tool for communication to Upper Management, customers and employees. SEP makes energy use visible.

RMEP Energy Reduction Glidepath

ISO 50001 / SEP
Certification 2013

8%
3%
-2%
-7%
-12%
-17%

2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020
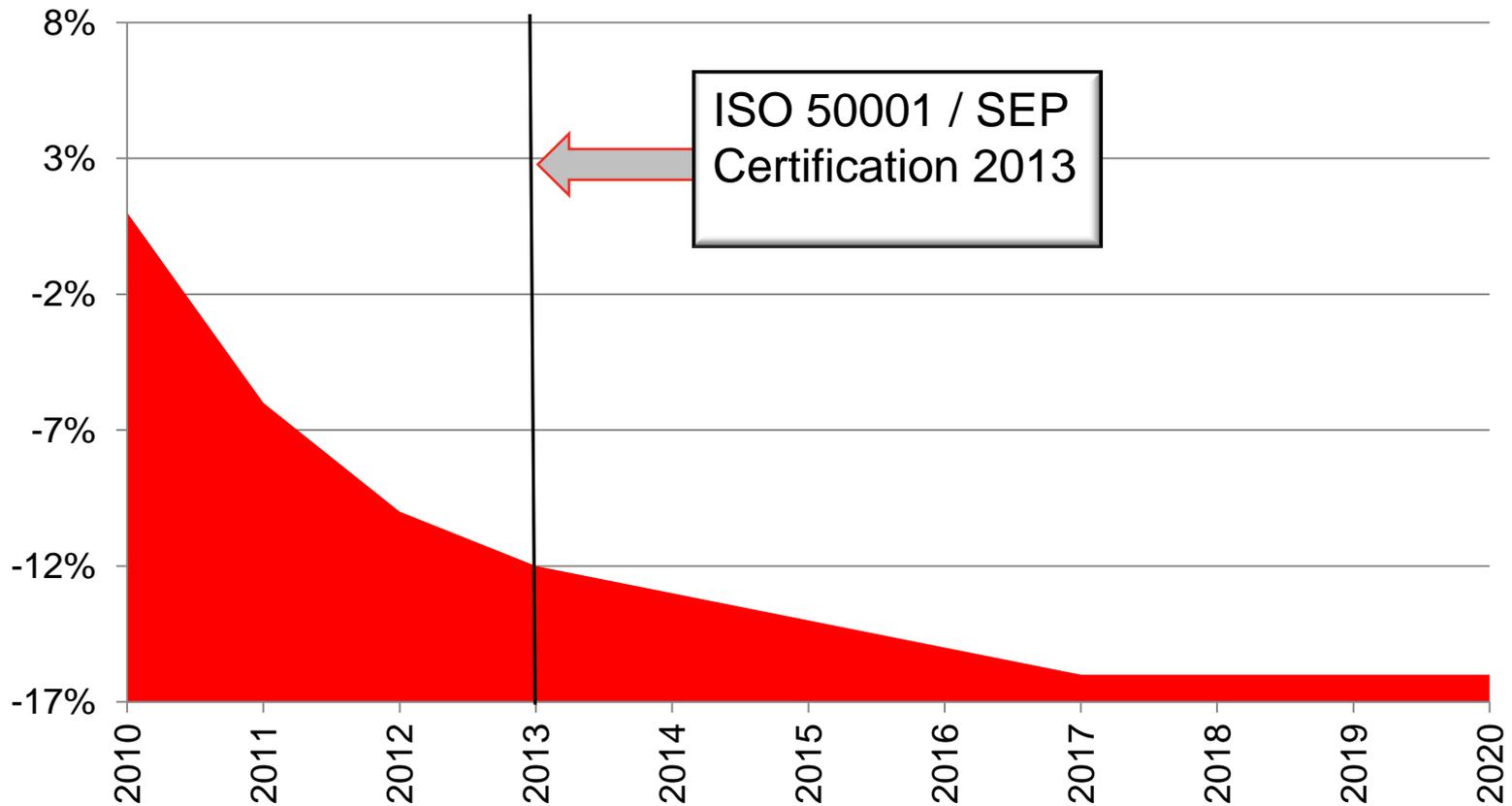
Benefits to Implementing SEP

Provides a pathway to quantify savings and secure future funding for metering and equipment.

Benefits to Implementing SEP

Energy Champion
Scott Williams
Rocky Mount Engine Plant, Whitakers NC USA

-- Cummins Confidential --

Next Steps

Superior Energy Performance®
U.S. DEPARTMENT OF ENERGY

Case Study
July 2015

Cummins Improves Energy Performance 12.6% with SEP

Cummins Inc.—a global engine manufacturer—worked with the U.S. Department of Energy (DOE) Advanced Manufacturing Office to successfully implement an energy management system (EnMS) that meets all requirements of ISO 50001[1] and Superior Energy Performance® (SEP™). Cummins' implementation of the EnMS at its Rocky Mount Engine Plant (RMEP) in Rocky Mount, North Carolina, enabled a 12.6% improvement in energy performance, saving over $700,000 a year.

To achieve corporate energy reduction goals, Cummins Inc.'s natural gas and diesel engine manufacturing facility in Rocky Mount, North Carolina, implemented an energy management system that earned the plant both ISO 50001 and Gold Superior Energy Performance certifications. Photo: Cummins Sustainability Report

- Certify internal auditors

- Assist other facilities within Cummins attempting certification

- Challenges associated with expansion / increase in consumption

- Future Certification Level / Mature Pathway

Any Questions?