

DAIMLER TRUCK

Energy Goals Management System

October 24th, 2022

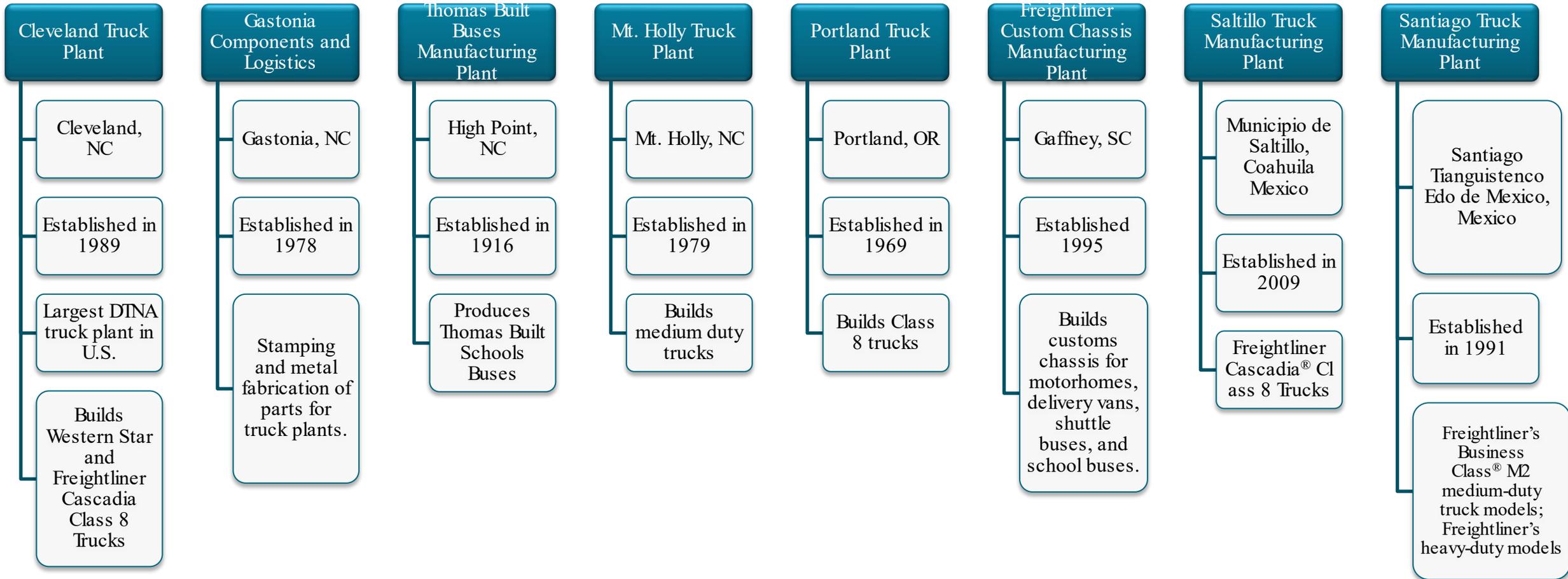
Colin Buchanan

Facility Engineer

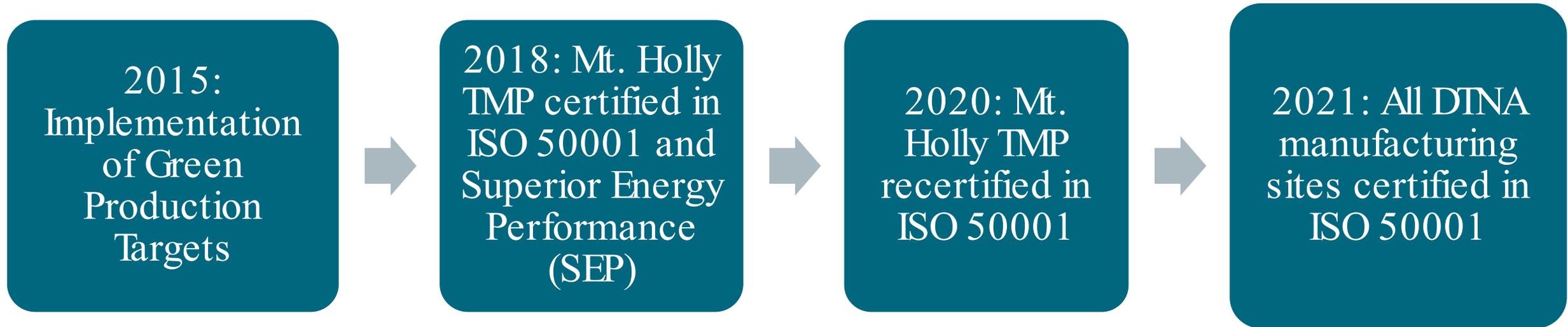
Cleveland Truck Plant



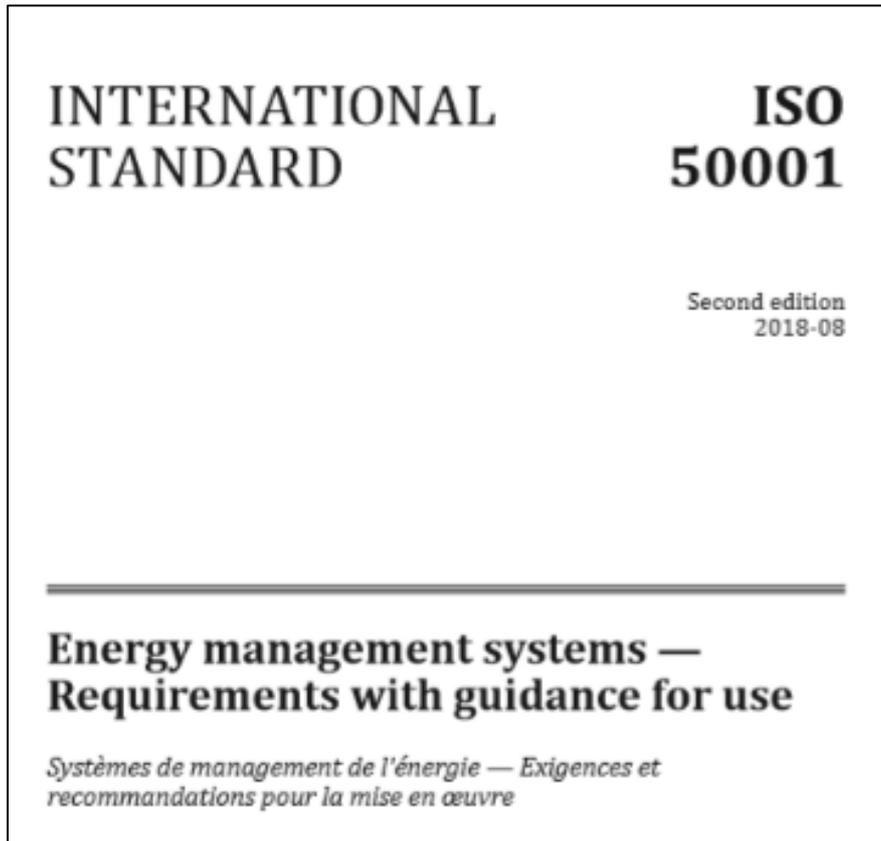
Daimler Truck Sites ISO 50001 Certified



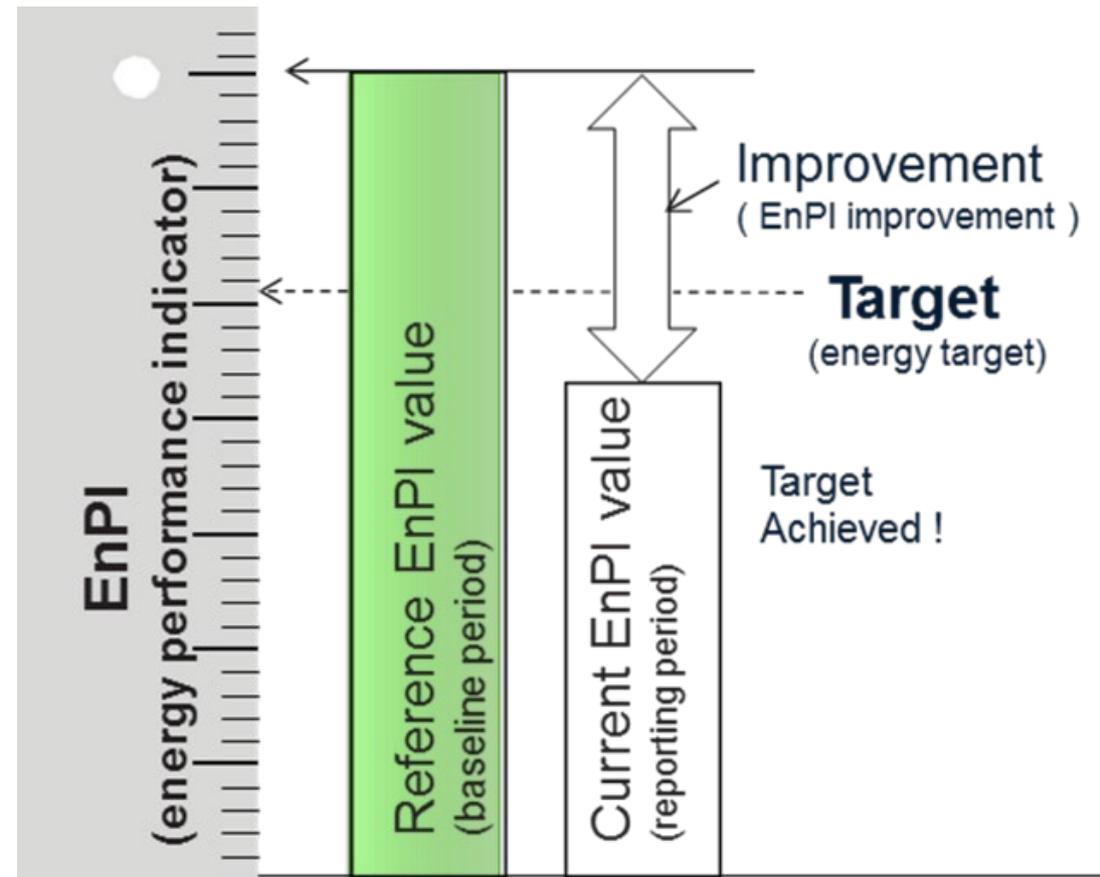
DTNA Energy Management Timeline



Why 50001?



Why 50001? – Goal Orientated & Data Driven



Why 50001? – Leverage

Previous experience with other ISO management systems:

- ISO 9001 for Quality
- ISO 14001 for Environmental



Why 50001? – 50001 Ready

Navigator

LANGUAGE
English

Log In



Welcome to the 50001 Ready Navigator!

The 50001 Ready Navigator is an online application that provides step-by-step guidance for implementing and maintaining an energy management system in conformance with the ISO 50001 Energy Management System Standard. Join the 23,000+ sites worldwide benefiting from an energy management system!

The 50001 Ready Navigator has been updated to reflect the changes made to the ISO 50001 standard in 2018. The original version of the 50001 Ready Navigator, based upon the 2011 publication of ISO 50001, will be available online for one year and accessible by existing projects to allow for a seamless transition to the revised version. Information about the full transition from the current to updated 50001 Ready Navigator is available below.

About the Navigator

Tell Me More

The 50001 Ready Navigator is an online guide for establishing an energy management system to use readily available and practical steps that will improve and verify energy performance. Completion of the 50001 Ready Navigator is required for sites certified in the international best practice for energy management systems, ISO 50001.

What is Energy Management?
Energy management is a subset of a broader implementation of energy performance and efficiency that is designed to reduce energy consumption and improve energy efficiency. It includes the implementation of energy management systems, energy audits, energy conservation measures, energy efficiency programs, and energy management systems. It is a process of identifying, measuring, and managing energy consumption and efficiency in an organization.

Why is Energy Management Important?
Energy is a critical resource for most organizations. It is important to manage energy consumption and efficiency to reduce costs, improve energy efficiency, and reduce environmental impact. Energy management systems can help organizations to identify areas of energy waste and implement measures to reduce energy consumption and improve energy efficiency.

Why should I use the 50001 Ready Navigator?
The 50001 Ready Navigator has been developed by the U.S. Department of Energy to help organizations to implement and maintain an energy management system in conformance with the ISO 50001 standard. It provides step-by-step guidance for implementing and maintaining an energy management system in conformance with the ISO 50001 standard. It is a free online application that is available to all organizations.

What is 50001 Ready?
50001 Ready is a program of energy management for facilities and organizations that has been implemented in the 50001 Ready Navigator system. It provides step-by-step guidance for implementing and maintaining an energy management system in conformance with the ISO 50001 standard. It is a free online application that is available to all organizations.

Explore the Navigator

Dashboard

100% Completed

Task Assignments

Task	Assigned To	Status	Due Date
1. Audit and Plan Requirements	Michael Etkin	Completed	11/16/2018
2. Program and Self-Assessment Requirements	Michael Etkin	Completed	11/16/2018
3. Program and Self-Assessment Requirements	Michael Etkin	Completed	11/16/2018

Create an Account or Log-in to Get Started

EMAIL ADDRESS

ENTER PASSWORD

Log In

[Forgot password?](#)

50001 Ready Navigator ISO 50001:2018 Update

The 50001 Ready Navigator's structure and tasks have been updated to align with ISO 50001:2018. Documentation of this can be found here: [Navigator crosswalk](#)

50001 Ready and Functionality for Multisite Tracking

[CO] Glen Raven ▾

Central Office Portfolio View

Central Office Dashboard | Manage Central Office | Manage CO Team | Add Site

Central Office CONTRIBUTOR

Central Office Tasks: Not Started In Progress Ready for Review by Site Support Only Completed

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

Contact	Site Name	Task Progress	Action	Last Activity																										
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50001 Ready - Playbooks



50001 Ready Navigator Playbook

Task 9: Significant Energy Uses (SEUs)

Date last modified/updated: [Click here to enter a date.](#) **Internal audit:** [Click here to enter a date.](#)
Who last modified/updated: [Click here to enter text](#) **Management review:** [Click here to enter a date.](#)

This part of the Navigator Playbook is completed when you have:

1. Identified the energy uses that consume the most energy within your boundaries.
2. Identified factors and persons that affect the energy consumption of identified energy uses.
3. Established selection criteria for identifying which of these energy uses should be a significant energy use (SEU).
4. Determine SEU energy performance based upon energy consumption and relevant variables as appropriate.
5. Review the SEU selection criteria as part of the SEU update process.

1. Identify the energy uses that consume the most energy within your boundaries.
2. Identify factors and persons that affect the energy consumption of identified energy uses.

ISO 50001 and 50001 Ready Outputs

Gain an understanding of ISO 50001

Use the 50001 Ready Navigator tool to complete the 25 tasks

Gain DOE recognition for self-attesting to this completion

Demonstrate continual energy performance improvement

- Now a “shall” in ISO 50001: 2018

Improve overall site energy operations



Partnerships – Advanced Energy

Michael Stowe

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(919) 904-0279 {cell}

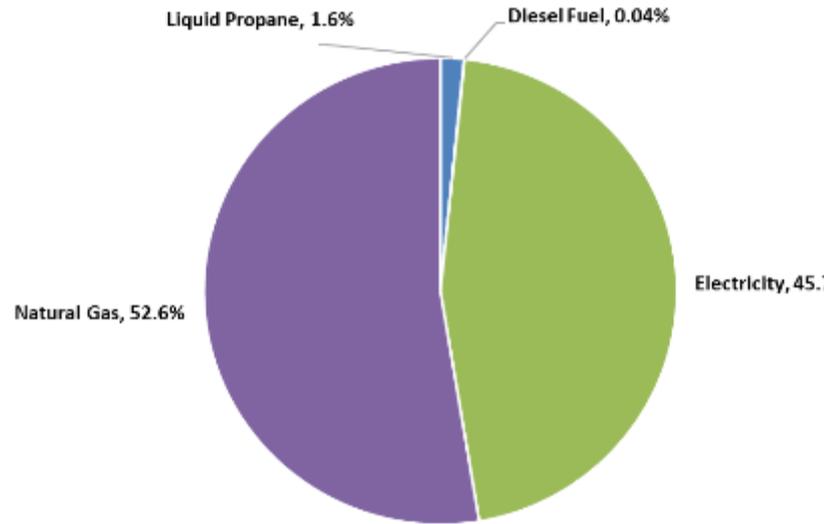
mstowe@advancedenergy.org

www.advancedenergy.org

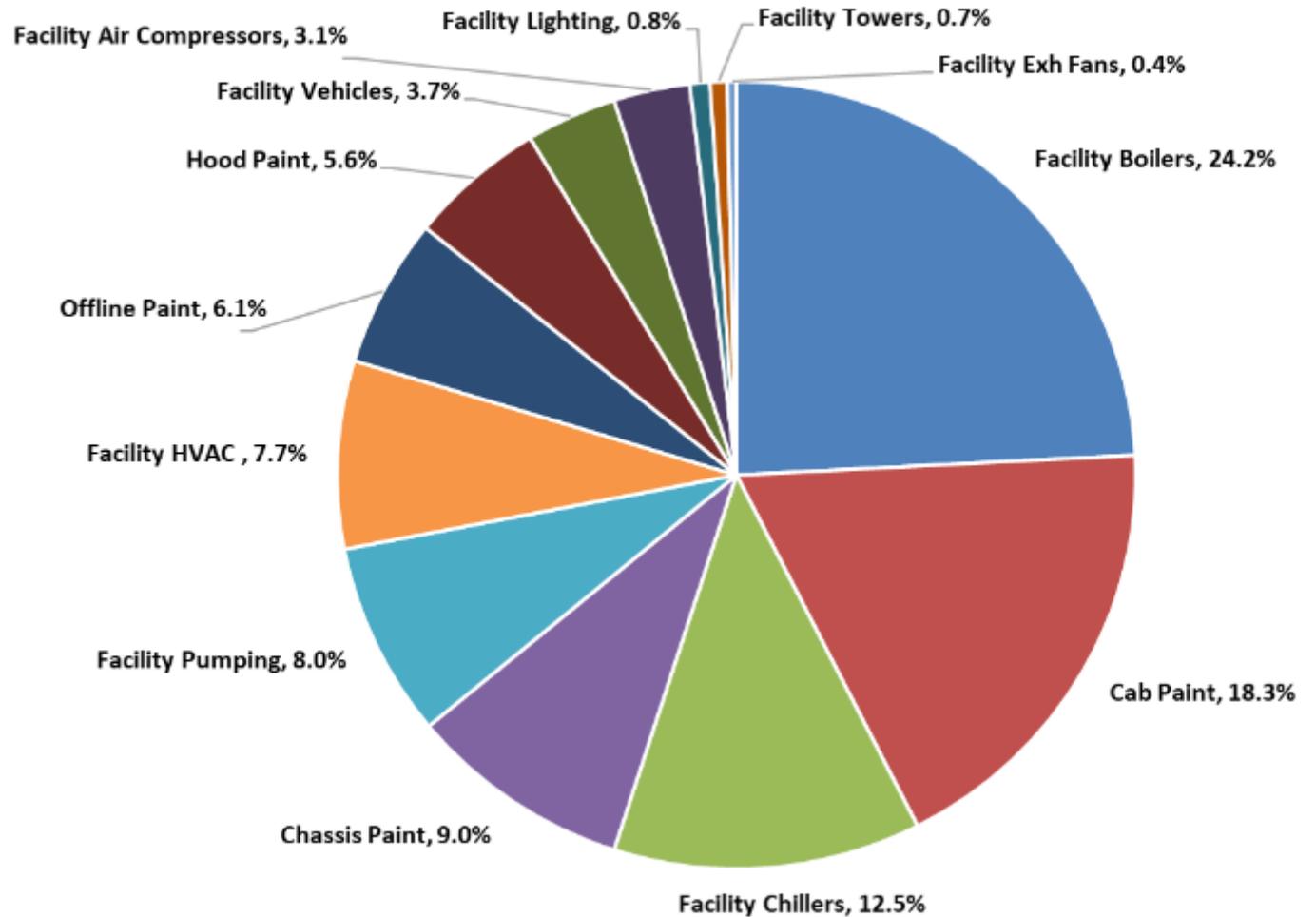


Planning

Energy Types IN



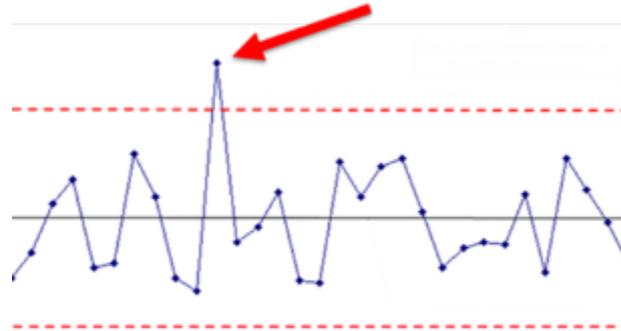
Energy Uses by System



*What energy comes into my site?
Where does all this energy go? [SEI]
What are my EnPIs and EnBs?
What are my objectives, energy targets
& action plans?*

Operation

Operate, maintain, design and procure to optimize energy performance



Do I have good operational and maintenance controls for my SEUs and action plans?

Do my operators know what to do when energy expectations are not met?

Are design and procurement teams are engaged?

Continual Improvement

When we check, if things are not okay, then we act to fix them, and we do this in an ongoing method

Continual Improvement



Energy & Cost Reduction Over Time

Do you have a strong corrective action program to fix and follow on nonconformities to your EnMS?

Do you continually improve both your EnMS and your energy performance?



