

Increase Energy Efficiency at Little, or No Capital Cost



Just like automobiles, industrial facilities require periodic maintenance and adjustments to operate at peak efficiency. Even facilities with all the latest equipment may not be optimized for maximum energy efficiency.

Small changes today, can make a big difference tomorrow

A well-executed tune-up, or retro-commissioning effort adds up to energy – and money, saved. Cascade Energy's fast and cost-effective facility tune-ups, will help you save more by making better use of the systems and people you already have in place.

Our tune-ups will:

- Lower energy consumption and expense.
- Improve capacity and performance.
- Enhance your operators' knowledge of systems and equipment and the factors affecting energy consumption.
- Realize excellent ROI through low-cost, no-cost actions that optimize the performance of existing equipment.
- Reduce wear and tear on equipment.

Three steps to increased efficiency

1 ASSESSMENT

When you sign on for a Cascade tune-up we'll send out an experienced energy efficiency engineer and a seasoned technician familiar with the type of industrial systems at your facility. They won't just tell you to change light bulbs or close doors. Instead, they'll work side-by-side with your staff and/or contractors, to perform an extensive hands-on review of all systems.

Your Cascade team will:

- Conduct a top-to-bottom analysis of facility equipment, systems, controls, and practices.
- Identify the processes, systems, and/or equipment that consume the most energy.
- Help you prioritize your tune-up efforts by focusing on your best opportunities for a strong ROI.

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10-15 %

SAVINGS YOU CAN BANK ON

Since our tune-ups focus on optimizing existing equipment, most of the opportunities identified can be implemented quickly, at low cost. Cascade customers typically see savings in the range of 10-15% once they complete the action items. We have many examples where customers achieved savings of 20% or higher.

1 ASSESSMENT



2 REPORT

3 ENGINEERING FOLLOW-UP



Before the Cascade team departs, we'll meet with management and staff to review what we accomplished together and discuss what has yet to be achieved. We'll also provide an overview of high-impact action items for additional no- and low-cost improvements, and ideas for capital projects that could increase your efficiency even more.

2 REPORT

After the assessment, your Cascade engineer summarizes opportunities, performs a variety of calculations, and may contact equipment vendors to verify the impact of potential operating set-point changes. We draft a detailed report summarizing what we found and fixed during the tune-up, including:

- An equipment inventory with results from the assessment, as well as details on what's already working well.
- An "energy map" showing where energy is consumed in your facility.
- A prioritized list of next steps, including operations and maintenance action items, to drive increased efficiency and cost reduction.
- Calculations indicating savings achieved to date, and total savings potential.
- A high-level overview of capital projects that could drive additional energy savings.

3 ENGINEERING FOLLOW-UP

From here, you can get started implementing changes on your own. However, most customers opt to have Cascade provide follow-on support to help them work through the action items on their list, and find more opportunities over time. We'll help your staff stay on track, prevent backsliding, and provide additional coaching and training to kick-start a process leading to ongoing energy-efficiency improvements.

To learn how your company can benefit from a Cascade Energy efficiency tune-up, please contact us at: 866.321.4573.



Drive ongoing improvements with SENSEI™

If you're using SENSEI, Cascade's energy-efficiency platform, we can populate the ACT module with all the action items developed during your tune-up. That way, you'll already be a step ahead of the game.

Learn more about SENSEI at energysensei.com.



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TALK TO A CASCADE ENERGY TUNE-UP EXPERT TODAY

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