

# JLG Industries, Inc. (Shippensburg and McConnellsburg, PA) – 50001 Ready

## WHY 50001 READY?

The U.S. Department of Energy's 50001 Ready program is a self-paced, no-cost way for organizations to build a culture of structured energy improvement that leads to deeper and sustained energy and GHG savings. Recognition is available for facilities and organizations that self-attest to the implementation of an ISO 50001-based energy management system without external audits or certifications.

## Overview

Owned by Oshkosh Corporation, JLG Industries Inc. is a manufacturer of access equipment, such as telescopic handler forklifts (also known as "telehandlers"), at 80 sites spanning the globe, from the U.S. to China. JLG's domestic manufacturing facilities are members of the U.S. Department of Energy's (DOE) Better Plants program, having pledged to achieve a 25% reduction in their energy intensity within 10 years relative to a 2014 baseline year. Oshkosh Corporation achieved this goal in year 8, reaching 31% energy saved.

## Solutions

In preparation for engaging with 50001 Ready, JLG joined the Pennsylvania State University's Technical Assistance Program (PennTAP) 50001 Ready cohort. With support from this DOE 50001 Ready partner, JLG's Shippensburg and McConnellsburg sites, both based in Pennsylvania, attained 50001 Ready status in 2021 and 2022, respectively, with their most recent attestation occurring in 2024. At the corporate level, JLG already had some familiarity with ISO-based standards through their Tianjin, China facility, which is certified to the ISO 14001 environmental management standards.

JLG intends to maintain 50001 Ready status at the Shippensburg and McConnellsburg facilities, and is also planning to bring 50001 Ready to another site in 2024, the first of an internal goal of "one site per year." For JLG, the benefits aren't limited to reduced operational costs; they include risk management, continual operational improvement and maintaining a competitive edge.



Aerial view of JLG Industries' McConnellsburg, Pennsylvania facility. *Courtesy of JLG*

***"For anyone in the environmental field, it's understood that energy management is one of the pillars of conservation."***

– Jason Grentus, Senior Environmental Manager,  
JLGIndustries

## Key Takeaways: Implementing a 50001 Ready Energy Management System

- ▶ **Healthy competition:** With two sites being part of the same **50001 Ready cohort**, JLG saw staff at Shippensburg and McConnellsburg continuously pushing one another to do better. This friendly competition resulted in improved energy performance for both sites, more than might have otherwise been achieved. Having more than one site participate led to a swath of shared information and insights that also served to improve performance.

► **Healthy equipment:** Staff at the McConnellsburg facility attribute much of their success to heating, ventilation, and air conditioning (HVAC) upgrades. The Shippensburg site achieved its biggest reductions through lighting and controls. Before new equipment is purchased, a dialogue is initiated with engineers to determine if more efficient equipment exists at a comparable price point, and once the new equipment arrives at JLG, it is operated and maintained with efficiency in mind. End-of-shift checklist items, such as turning off the lights, have been replaced with occupancy sensors. This combination of strong equipment and automated systems has resulted in more consistent and effective energy management.

*“Upgrading the compressors saved considerable energy and improved the quality of compressed air used throughout the facility. This greatly improved aspects of our manufacturing operations in McConnellsburg”*

– Thomas A. Koontz Jr., Project Maintenance Engineer,  
FMP, 1 JLG Drive



The new compressor room was the largest project that was completed at 1 JLG Drive. *Courtesy of JLG.*

- **Project tracking:** Tracking projects using the company's own tools, in tandem with the **50001 Ready Navigator**, enabled JLG to monitor progress at both the Shippensburg and McConnellsburg sites and ensured that everyone who should have been involved in a particular project was, in fact, involved. Having such a protocol in place equipped team leaders with the knowledge necessary to guide delegation and decision-making, allowing staff to tackle Navigator tasks in a timely manner.
- **Passing the baton:** JLG's Shippensburg and McConnellsburg sites recognize the inevitability of personnel turnover in any business and understand the importance of maintaining a strong energy management system to ensure continual improvement, despite such changes. In light of this, the sites have systems in place so that new employees receive appropriate training, allowing the facility to continue to effectively manage energy, even as key personnel depart.

### Other Benefits

JLG's efforts not only optimized energy savings, but also resulted in increased sales due to purchases from companies with strong sustainability commitments. With the help of the 50001 Ready program, the company's reputation for environmental stewardship continues to improve, leading to an influx of new talent, as younger employees are more likely to prefer to work for environmentally conscious companies.

Additionally, the human impact of 50001 Ready is illustrated by the employee response to the lighting improvements made at the McConnellsburg site: Some longstanding employees had been moved from areas with poor lighting that posed a safety concern to other areas or teams within the facility. They expressed their gratitude for the upgraded lighting, which allowed them to safely return to a working environment with which they were more comfortable and familiar.

Updated 2024.05.13