

# Lean and Environment Grant Project

The Department of Ecology's Lean and Environment Grant Project, funded by the U.S. Environmental Protection Agency, is an effort to provide excellent service to three Washington manufacturing companies by leveraging and measuring the benefits of adding environmental considerations into Lean Manufacturing practices.

One of the primary goals of the project is to establish a successful collaboration with Washington Manufacturing Services, and through this partnership, explore, measure and report the benefits of integrating environmental factors into Lean implementation. Our vision is that the three companies will take what they learn from their pilot projects and develop an ongoing culture and practice of continuous improvement which factors in the environment and safety while increasing process efficiencies — reduced lead time, work-in-process, downtime and increased quality.

## Services

### **WMS will provide the following services:**

\$30,000 worth of Lean Implementation services to be included as needed:

- Lean training
- Value Stream Mapping
- Lean Improvement Workshops (kaizen)
- Presentation to management, recommendations

### **Department of Ecology will provide the following services:**

- Identify and reduce material and resource wastes
- Identify and reduce risks (e.g. worker health and safety, spills and site contamination)
- Low-cost, high-impact improvements that reduce these wastes and risks
- Free regulatory compliance consultation to facilitate implementing process changes

## Potential Benefits

- Lead-time reduction and quality improvement
- Downtime and changeover reduction
- Improved worker health and safety
- Inventory reduction
- Increase in floor space available for production
- Reduction in the need for compliance, and risk of non-compliance
- Increased productivity and lower costs

## Company Investment

- 20% of total project cost
- Commitment of time and employees
- Commitment to timely project completion
- Willingness to share story and metrics



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