

LEAN AND GREEN PROJECT SUPPORT PROGRAM

Are you:

- Struggling to find new and untapped low-cost opportunities to reduce your organization’s energy and environmental impacts?
- Searching for affordable ways to learn and get support for implementing a successful Lean Six Sigma project into your organization?
- Looking to integrate environmental projects into your organization’s continuous improvement initiatives to reduce operational and ecological costs?

Lean and Six Sigma rely on a continuous improvement culture to remove process waste. When applied to environmental wastes, these methods help uncover opportunities and inefficiencies in your facility that fall outside traditional approaches. Successful Lean and Green Projects will reduce environmental impacts while driving bottom line business results.

PROGRAM DETAILS:

This program will involve 5-10 interested organizations that meet regularly to reduce your facility’s environmental impacts and costs. We will help your project team of 2-4 people identify an ecological project at your facility with support from your top management. Through customized training and coaching/support calls, we will help you apply Lean and Six Sigma methods to complete an improvement project.

Your Lean and Green Project can focus on reducing chemicals, water, energy, hazardous waste, air emissions, or solid waste.

Support calls will ensure project progress, answer questions, and guide the project to completion.

A Lean and Green certificate from the Washington State Department of Ecology is provided upon completing the program/project.

We offer two tiers of projects: The W.A.S.T.E. WALK is designed for smaller companies and the W.A.S.T.E. PROJECT for larger companies with dedicated resources for environmental or process improvement initiatives. Impact Washington can help you select the right project for your company.

ACTIVITIES/OFFERINGS	W.A.S.T.E. WALK	W.A.S.T.E. PROJECT
TRAINING TIME	4 Hours	10 Hours
TRAINING DELIVERY	Recorded	Live
PROGRAM DURATION	3 Months	6 Months
COHORT COACHING SESSIONS	2 Per Month (6)	4 Per Month (24)
COHORT COACHING SESSION TIME	12 Hours	40 Hours
PROJECT WORK ESTIMATION	24 Hours	90 Hours
TOTAL TIME ESTIMATION PER TEAM	40 Hours	100 Hours
RECOGNITION	Lean/Green Certificate Level 1	Lean/Green Certificate Level 2
COST PER ORGANIZATION	\$70	\$2,440
PARTICIPANTS PER ORGANIZATION	1-2	1-4
MINIMUM ROI ESTIMATION	\$1,000	\$5,000
MAX # OF COMPANIES	10	5

PROGRAM GOAL:

Each company will identify a project that can achieve top management support and aligns with environmental goals. The goal for each engagement is to save at least \$1000 (W.A.S.T.E. Walk) or \$5,000 (W.A.S.T.E. Project) for each organization. **Previous successes include:**

- ✓ Columbia Paint & Coatings recovered 49,200 lbs per year of paint solids from the wash water. Based on a few Lean and environment events, they reduced wastewater by 36,900 gallons per year.
- ✓ Woodfold Manufacturing reduced volatile organic compound (VOC) emissions by nearly 1,000 lbs per year. It diverted 6 tons per year of solid PVC waste from the landfill through opportunities identified in a value stream mapping event.
- ✓ Romac Industries, Inc reduced the quantity of a hazardous chemical involved in the chemical processing of metal components– the result was a dramatic reduction in chemical use and waste management activities, improving process quality, facility safety, and significant cost reduction (\$60K+/year).

ATTENDEES WILL:

- ✓ Receive coaching on an existing project to keep it on track or kick-off a project with expert guidance and support.
- ✓ Learn from weekly coaching calls with Lean Six Sigma and Department of Ecology experts
- ✓ Learn popular Lean and Six Sigma methods and understand how they apply in your facility
- ✓ Present a successful Lean Six Sigma project that reduces an environmental impact in your facility
- ✓ Receive a Lean and Green certificate
- ✓ Integrate environmental and energy considerations and benefits into future continuous improvement efforts

THIS PROGRAM IS DESIGNED FOR:

- ✓ Process, Manufacturing and Industrial Engineers
- ✓ Environmental Health and Safety Managers and Engineers
- ✓ Sustainability professionals
- ✓ Manufacturing Technicians
- ✓ Facility Managers
- ✓ Production Managers
- ✓ Operations Managers
- ✓ Process Improvement Specialists and Consultants

TOPICS

LEAN AND GREEN

W.A.S.T.E WALK

- Lean overview
- 8 wastes
- Waste/gemba walks
- Kaizen
- 5S workplace organization
- Impact-ease matrix
- Checklists and error proofing
- Visual controls
- Change management
- Documentation

LEAN AND GREEN

W.A.S.T.E PROJECT

- Lean overview
- 8 wastes
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- Kaizen
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- Impact-ease matrix
- Checklists and error proofing
- Visual controls
- Change management
- Documentation
- Defining a project charter
- Aligning Lean, EHS, and Facilities
- Data collection methods
- Process mapping
- Surveys and observations
- Data and statistical analysis
- Root cause analysis
- Brainstorming
- Pilot studies
- Statistical process controls
- Standard work
- Capture cost and impact of the project
- Project report outs
- Other project topics based on project needs

Brion Hurley - Program Lead and Coach

A Lean Six Sigma Master Black Belt with Business Performance Improvement. He spent 18 years in the Aerospace industry, and has spent the past 10 years working on sustainability projects to reduce private sector environmental impacts and improve nonprofit operations.

PROGRAM PARTNER:



COMPLETE THIS FORM TO PARTICIPATE