

EPA programs and Tools

Environmental Assistance Programs &
Resources for Automotive OEMs and Suppliers
Spring Hill, Tennessee
September 8, 2011



Learning to see “Green”

Traditional “Lean” Eliminates...

- Defects
- Overproduction
- Waiting
- Non-utilized resources
- Transportation
- Inventory
- Motion
- Extra processing



MEP • MANUFACTURING
EXTENSION PARTNERSHIP

“Clean” adds...

- Full use of Raw Material
- Energy Efficiency
- Water conservation
- Eliminating Toxic Material
- Reduction of:
 - Packaging Wastes
 - Emissions to Air and Water
 - Solid & Hazardous Wastes
 - Regulatory obligations and risks





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**GREEN SUPPLIERS
NETWORK**



MEP • MANUFACTURING
EXTENSION PARTNERSHIP

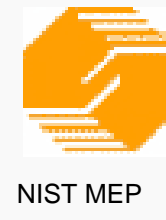




The Value of Lean AND Clean

Cost Savings from Environmental Impact Opportunities	<u>\$35,979,115/yr</u>
Energy Conservation (MM Btu)	2,956,765
Water Conservation (gallons)	98,600,949
Water Pollution Reduction (lbs)	21,301,320
Air Emissions Reduction (lbs)	7,224,261
Solid Waste Reduction (lbs)	31,090,186
Cost Savings from Lean Opportunities	<u>\$41,055,373/yr</u>
Cost Savings from Other Opportunities	\$2,300,000/yr
Total Potential Cost Savings	\$79,334,488/yr

Results for 166 reviews





- About E3
- E3 on the Ground
- Put E3 in Action
- Accomplishments
- More on Sustainability

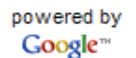
Welcome to **E3: Economy, Energy and the Environment**—an initiative designed to help you thrive in a new business era focused on sustainability and, working together, to promote sustainable manufacturing and economic growth throughout the United States.

Working together within the E3 framework, we can:

- BOOST** local economies
- DRIVE** innovation
- INCREASE** manufacturing productivity
- FOSTER** development
- REDUCE** environmental impacts
- CONSERVE** energy and resources

- Project Framework
- Frequently Asked Questions
- Leveraging Resources
- Tools and Materials
- Tell Me More!

Sustainable Manufacturing in the News | Milwaukee Small Business Times (blog) - Green is the new gold for Wisconsin manufacturers



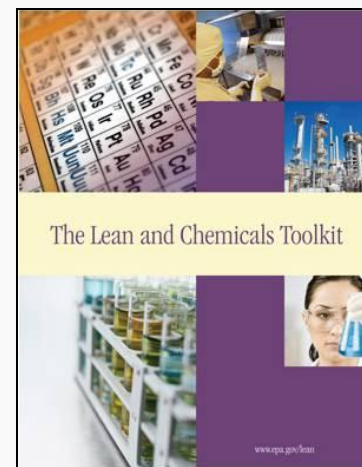
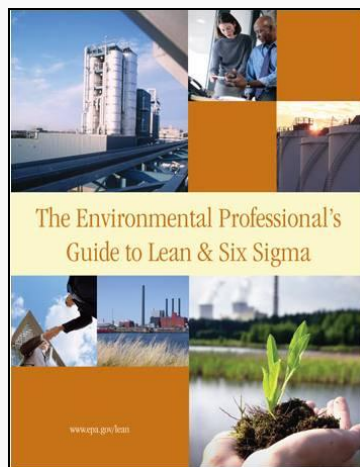
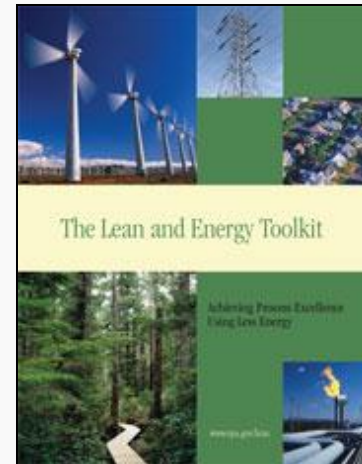
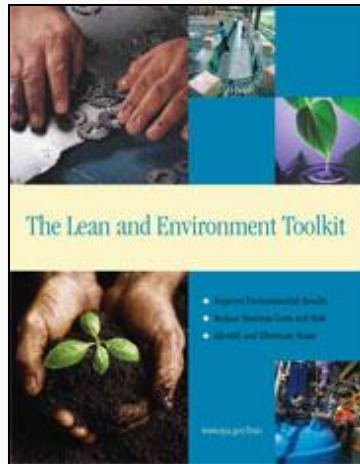


EPA Climate Leaders Tools

Climate Leaders Tool	Description	Projected Dates
Annual GHG Inventory Summary and Goal Tracking Form	Easy to use spreadsheet that helps track GHG inventory values and goal progress	2011
Inventory Management Plan (IMP) Template and Checklist	Instructional document that helps inform users of critical elements for GHG inventory development and management	2011
EPA eGRID Emissions Factor zip code tool	Simple, time-saving tool that allows users with many facilities to quickly populate eGRID factors into inventory	2011
Consolidated Emissions Factor "Hub"	A "one-stop shop" for emissions factors	2011
Enhanced EPA Simplified GHG Calculator	A revised, simple and free "turbo-tax" GHG calculator for business of all sizes	2011
GHG Goal Setting Model and Guidance	An easy-to-use, publicly available benchmarking model that allows companies across the U.S. economy to set a GHG goal that goes beyond business as usual for their sector	2011



EPA's Lean & Environment Toolkits





State Pollution Prevention Programs

- Intern Programs
- Retired Engineer Programs
- Pollution Prevention Technical Assistance
- Pollution Prevention Grants
- <http://www.p2rx.org/>

