

Greening the Supply Chain



An Innovative Government-Industry Partnership

March 22, 2005

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Greening the Supply Chain

AGENDA

- EPA Greening the Supply Chain Projects – Brief Overview, Linda Darveau, USEPA Region1
- The EMS User Group Project-Patti Carrier, New Hampshire Ball Bearings
- Green Suppliers Network-Judy Wlodarczyk, ConnSTEP
- Next Steps

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- OEM's are now assembly plants
- Regulated processes are outsourced to small manufacturers.
- OEMS not held responsible for the full environmental impact of their products.
- Greening the Supply Chain leverages environmental improvement at small manufacturers.

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Region I EMS User Groups

- User groups: First developed by Southern Cal. Trade Assoc. & Region 9
- Region I twist- using the supply chain market forces to promote environmental management systems among small manufacturers.
- Six-eight month program based on EMS Guide.

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- **GSN-EPA Headquarters Program**
- Using tools already developed by NIST-MEP's
- Pilot with Saturn-GM suppliers very successful
- Goal-to get industry to develop association to run program

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Incentives for small company:

- Chance to develop relationship w/major customer
- Free training
- On site assistance

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Benefits to the Environment:

- Reaching companies we don't normally see.
- Instilling continuous improvement ethic in small companies-ends enforcement cycle.
- Sharing of information among companies
- Improving communication between OEMs and Suppliers. (Lean, EU Directives)
- Good return on investment

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NHBB	Energy Savings	Water Savings	Solid Waste	Future Targets
CMF	\$17,000			Sludge Acetone
Armoloy		\$1500		Chem use
R.Labs			1200lbs \$600.00	Haz Waste
Cooper				ISO
K&K	\$10,000	\$10,000	\$240,00	ISO

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Projects:

- Raytheon: RCRA, TRI, Tier 2, Safety Training, chemical management service
- New Hampshire Ball Bearings: EMS User Group, nine companies participated.
- Pratt & Whitney/Hartford: EMS, Five companies participated.
- Pratt & Whitney/North Berwick: EMS, Ten companies participated.
- Hamilton Sundstrand/ Windsor Locks, Six companies

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Critical components for a successful project:

- Good kickoff event to promote enthusiasm
- OEM support-preferably from purchasing, management
- On site assistance
- Logistics-site access

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Next Steps:

- SEP's
- Use approach for other sectors-Fed Facilities
- Integrate into Performance Track Program
- Environmental Justice Projects

