Slide 1

MANUFACTURING EXTENSION PARTNERSHIP
Manufacturing Extension Partnership
. . . making manufacturers more competitive
EPA Region 8 P2 Roundtable
Jackson Hole, WY
Bill Boone
Senior Technical Advisor
National Institute of Standards and Technology
September 8, 2000

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MANUFACTURING EXTENSION PARTNERSHIP
NIST Mission
The National Institute of Standards and Technology was established by Congress "to assist industry in the development of technology ... needed to improve product quality, to modernize manufacturing processes, to ensure product reliability ... And to facilitate rapid commercialization ... of products based on new scientific discoveries."

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MANUFACTURING EXTENSION PARTNERSHIP
MEP Mission Statement
"To strengthen the global competitiveness of US-based manufacturing by providing information, decision support, and implementation assistance to smaller manufacturing firms in adopting new, more advanced manufacturing technologies, techniques, and business best practices."

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MANUFACTURING EXTENSION PARTNERSHIP
Leveraging Resources
384,000 SMEs
Over 3,500 Affiliate Organizations
Over 2,000 Field Staff
Over 400 Field Offices
75 MEP Centers
NIST

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MANUFACTURING EXTENSION PARTNERSHIP
Technical Assistance Delivery
Strengths
– Consistent Delivery of Services by MEP Centers Nationwide
– Partnerships and Collaboration
– Focused Areas of Technical Assistance
Improvement Opportunities
– Continued Training of MEP Center Staff
– Maintain/Expand Partnership Collaboration

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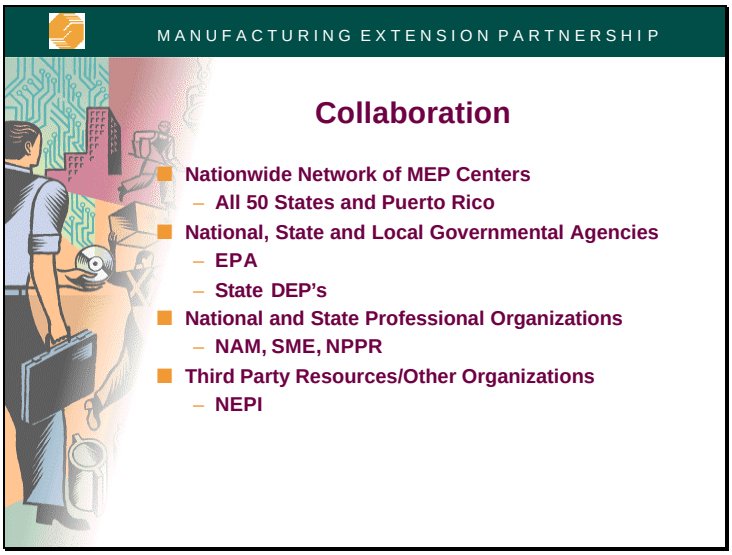
MANUFACTURING EXTENSION PARTNERSHIP
Collaboration
Nationwide Network of MEP Centers
All 50 States and Puerto Rico
National, State and Local Governmental Agencies
EPA
State DEP's
National and State Professional Organizations
NAM, SME, NPPR
Third Party Resources/Other Organizations
NEPI

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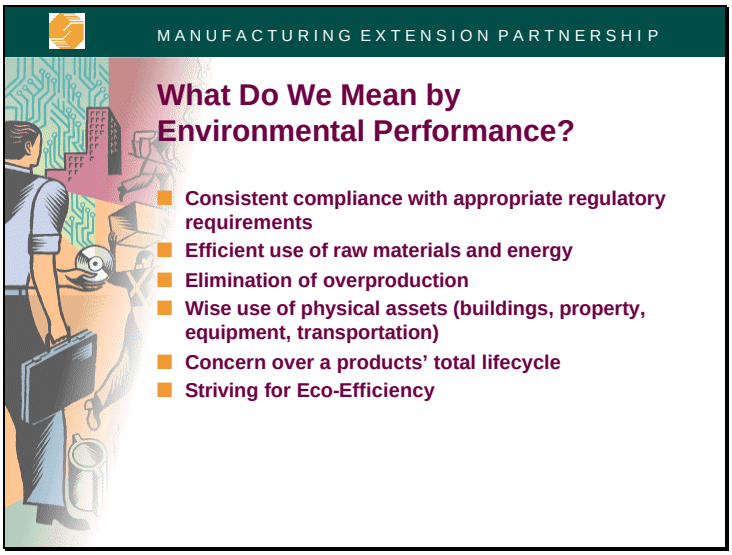
MANUFACTURING EXTENSION PARTNERSHIP
What Do We Mean by Environmental Performance?
Consistent compliance with appropriate regulatory requirements
Efficient use of raw materials and energy
Elimination of overproduction
Wise use of physical assets (buildings, property, equipment, transportation)
Concern over a products' total lifecycle
Striving for Eco-Efficiency

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MANUFACTURING EXTENSION PARTNERSHIP
How Can Focusing on Environmental Performance Improve the Bottom Line?
Not point solution oriented
Systematically considers which issues have the greatest impact on the enterprises' profitability
Integrates suggested solutions with lean/clean manufacturing and total quality management.
Balances opportunity with liability
Creates a pathway for growth without an increasing demand on consumption.

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MANUFACTURING EXTENSION PARTNERSHIP
Technologies to Achieve Improved Environmental Performance
Environmental Management Systems
– integrated with quality management systems, when possible
Design for Environment
– considers total life-cycle of product
Lean/Clean Manufacturing
– reduced waste while achieving eco-efficiency
eBusiness/eCommerce
– customer oriented enterprise-wide solutions