



E3: Economy, Energy, and Environment

Supporting Manufacturing Leadership through Sustainability

The E3 initiative harnesses the existing resources of five U.S. agencies, utilities, local governments, and manufacturers to enhance sustainability and competitiveness in local and regional economies, and to spur job growth and innovation.

Who Is Involved in E3?

E3 is a joint collaboration among five U.S. federal agencies: the Department of Commerce (DOC), the Small Business Administration (SBA), the Department of Labor (DOL), the Department of Energy (DOE), and the Environmental Protection Agency (EPA). These agencies work directly with local utilities, local government, and small- and medium-sized manufacturers.

What Existing Programs Contribute to the E3 Team?

- DOC** The National Institute of Standards and Technology's Manufacturing Extension Partnership (MEP) has 59 centers across the country that bring years of experience to the E3 Team in areas of cost reduction, business growth, and lean manufacturing.
- SBA** Through loan programs and Small Business Development Centers, SBA provides counseling services and financing for the implementation of business improvements.
- DOL** Through workforce development grants with an energy focus and green job training grants of over \$500 million, DOL actively supports the development of green jobs and green skills training.
- DOE** The Industrial Technologies Program's *Save Energy Now* initiative provides access to energy audits, new technologies, and numerous other resources, promoting industrial energy efficiency as a profitable business model. Companies that have become "*Save Energy Now* Leaders" are partnering with DOE to significantly reduce their energy use. DOE also manages the Energy Efficiency and Conservation Block Grant program that provides funds to state and local governments to improve energy efficiency and reduce fossil fuel emissions.
- EPA** Through its Climate Leaders program, EPA has a partnership with industry that measures greenhouse gas emissions and sets aggressive goals for their reduction. Also EPA's Green Suppliers Network collaborates with MEP to assist small- and medium-sized manufacturers with *Lean and Clean* assessments.





Who Benefits from E3?

Manufacturers, utilities, local and regional economies, and local and national governments all benefit from E3.

Manufacturers

E3 manufacturing recommendations lead to increased productivity and energy efficiency, resulting in reduced production costs and increased profits. Efficient processes will help manufacturers lead the way to a sustainable and prosperous future.

Utilities

E3 strengthens the business of industrial ratepayers while reducing their energy use and carbon emissions. This, in turn, reduces the need for utilities to construct new power plants so they can instead divert their resources to incorporating renewable energy in their power supply.

Local & Regional Economies

E3 stimulates the local workforce by creating new jobs and helping to retain existing ones. The E3 Team collaborates to train workers so they are equipped with the skills necessary to compete in a global economy.

Local & National Governments

E3 enables government agencies to leverage each others' resources to meet their individual goals. E3 establishes a flexible framework for multiagency projects that can be molded according to each project's needs.

What Is the Project?

Leveraging its pool of existing resources, the E3 Team generates and provides direct, customized assistance to strengthen manufacturers through technical assessments; grant and loan seeking advice; and training, capacity building, and continuous improvement.

Where Is E3 Being Implemented?

Upon completion of two pilot projects that started this summer (2009) in Columbus, Ohio and San Antonio, Texas, partner agencies look to implement E3 in other states that have expressed interest, including Georgia, Indiana, Louisiana, Michigan, Missouri, North Carolina, Ohio, Pennsylvania, South Carolina, Washington, and Wisconsin.

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