



**E3: Economy, Energy, and Environment**  
**A voluntary framework to help strengthen**  
**U.S. Manufacturing**  
**Through Sustainable Business Practices**

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3/17/2014

U.S. Environmental Protection Agency

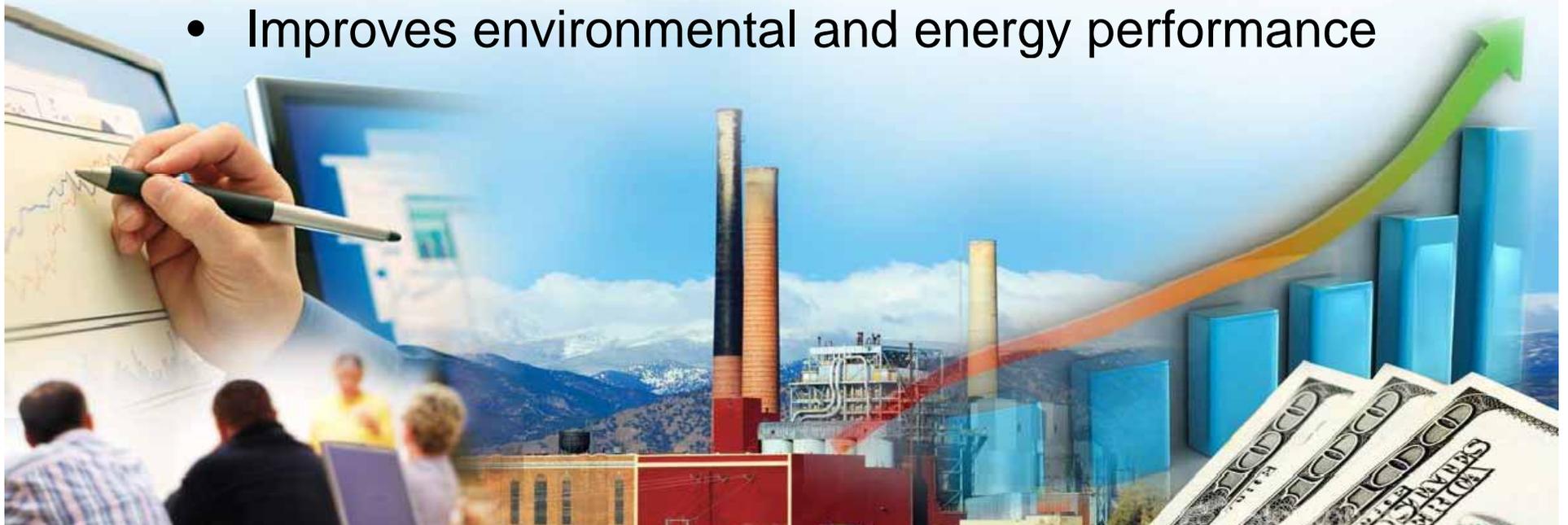
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# What Is E3 ?



A model framework for collaboration among manufacturers, utilities, local, state, and federal governments, and local manufacturing community ecosystems

- Strengthens local economies
- Helps manufacturers become more profitable
- Creates and retains jobs
- Improves environmental and energy performance

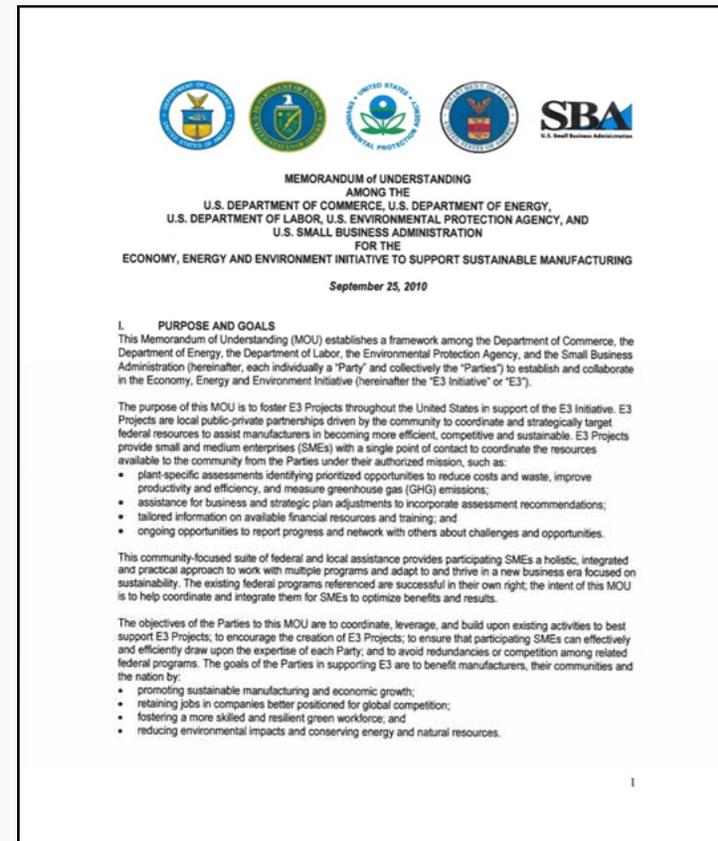




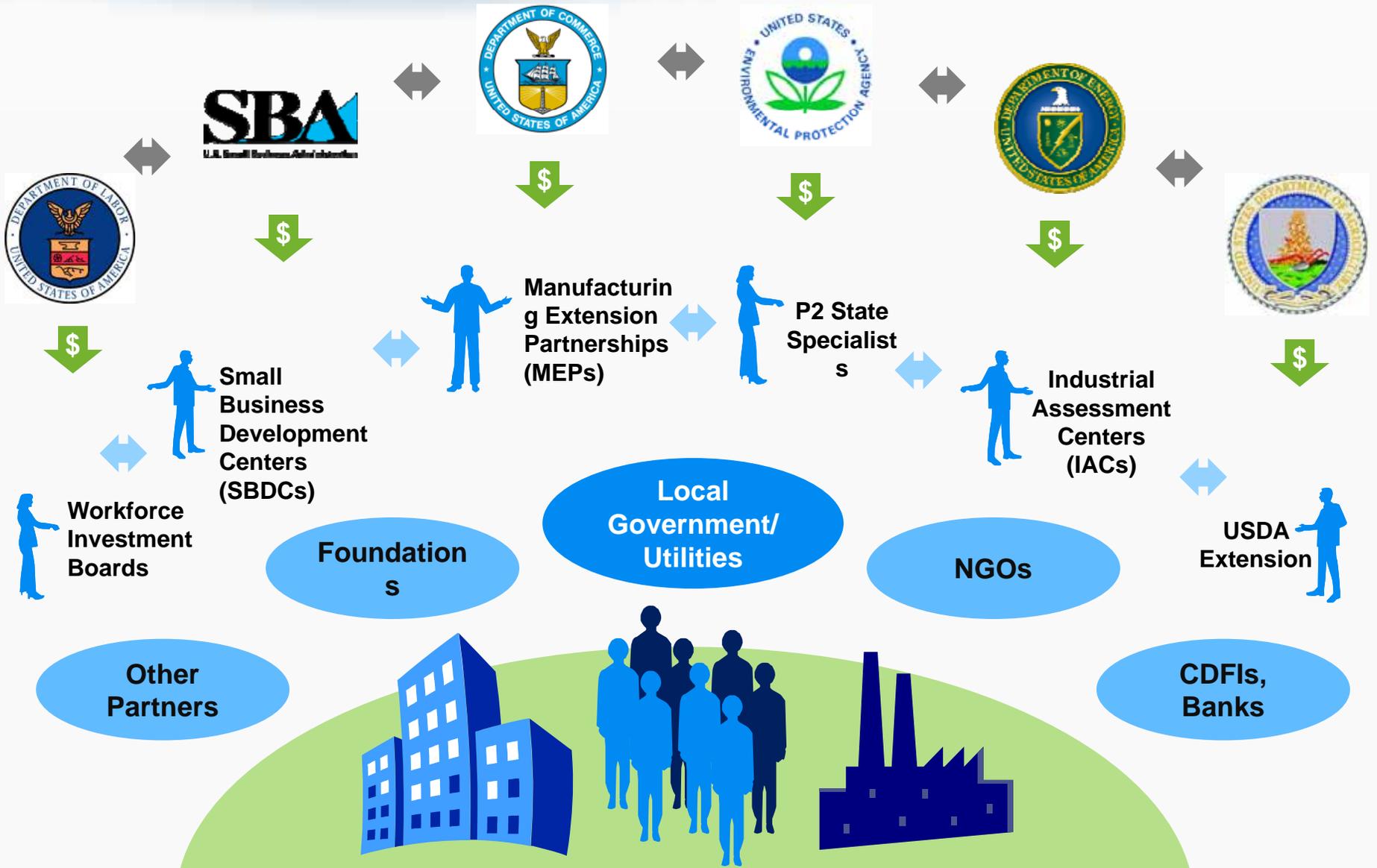
# Nationally Working together through Sustainability

## Joint Federal MOU

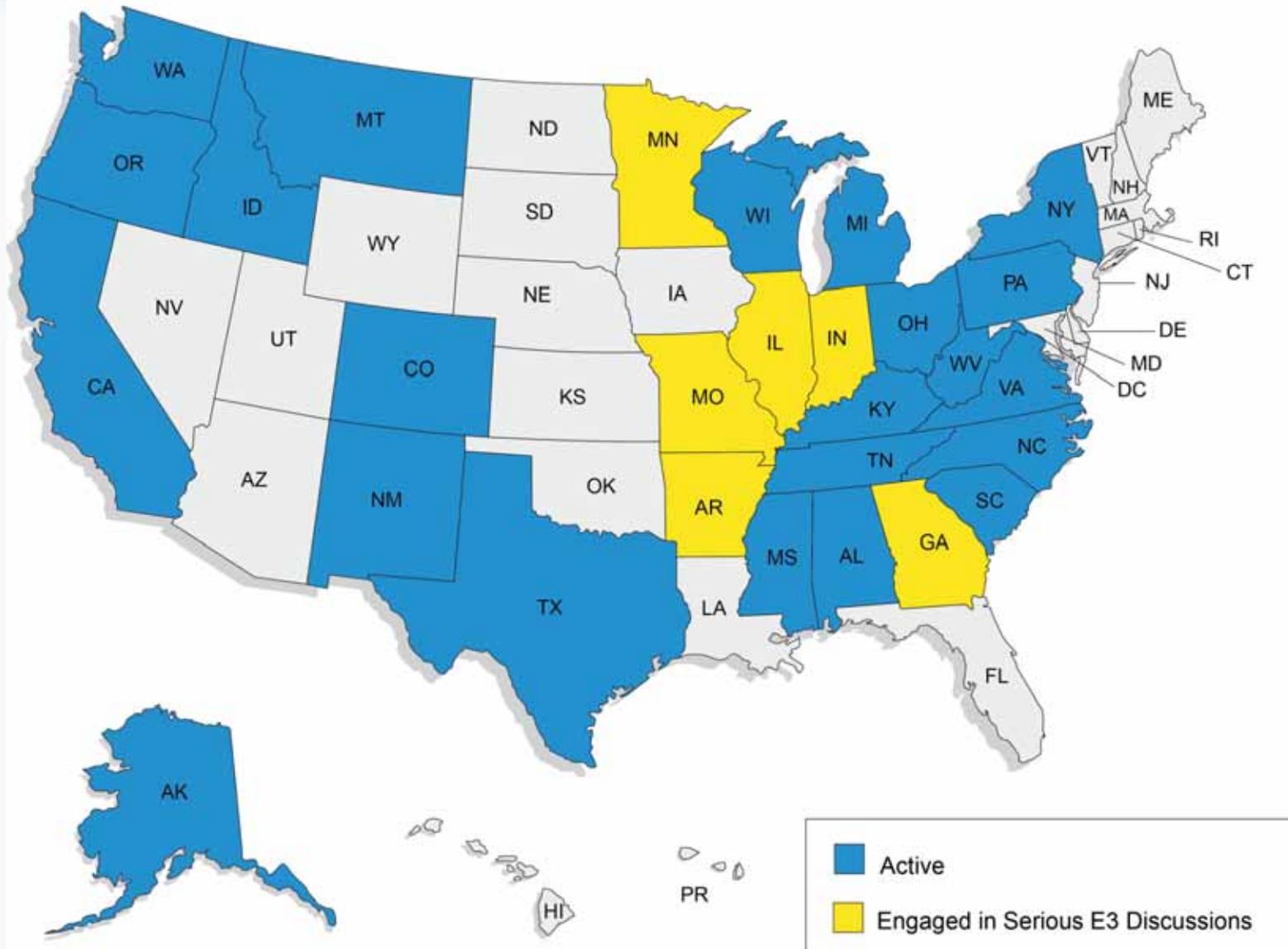
Department of Energy  
Department of Labor  
Small Business Administration  
Environmental Protection Agency  
Department of Commerce  
Department of Agriculture



# How Does E3 Do This?



# A Growing Number of Communities Nationwide are Using the E3 Framework





## E3 Benefits for Virginia Communities

- Collaboration of efforts for the greater good of the local economy provides enhanced ability to attract new business;
- Voluntarily prevent pollution allows communities to meet or exceed environmental and climate change goals;
- Sharing of success stories and joint webinars provide training on successful sustainable practices;
- Increased manufacturing jobs and / or increased job retention due to lower costs thru sustainability efforts;



## E3 Partnerships in Region 3 in 2014

- **Manufacturing Technology Center at Wytheville Community College, Wytheville, Virginia**
- **GENEDGE Alliance-MEP, Danville, Pittsylvania County, Virginia**
- West Virginia University, Morgantown, West Virginia
- PA Small Business Development Center, Philadelphia
- PA Technical Assistance Program (PennTAP), Penn State University, PA
- Delaware River Industrial Resource Center, Philadelphia



## E3 Virginia Manufacturing Support Team

- **Manufacturing Technology Center:** Nelson Teed, Keith Litz
- **GENEDGE ALLIANCE** – Bill Donohue, Tom Watson, Joan Moore, Tom Zbell
- **NIST Manufacturing Extension Partnership** - Brian Lagas
- **VA DEQ - Pollution Prevention Management:** Sharon Baxter
- VA Department of Mines and Minerals, Division of Energy
- Wytheville/Danville Community College, MTC
- Utilities
- City and Local government engagement
- Workforce Investment Boards





## E3 Virginia Manufacturing Resources

- VA Small Business Development Center Network @ George Mason University, School of Public Policy Mason Enterprise Center, Fairfax, VA
- VA Department of Labor: Registered Apprenticeship, Todd Cook
- VA SW Workforce Development Board , Darrel Blankenship
- USDA Rural Development, VA contact Lorette Tucker,
- National Pollution Prevention Roundtable ...[www.p2rx.org](http://www.p2rx.org), [www.p2.org](http://www.p2.org)
- Southside Business Technology Center
- VA Small Business Development Center
- Help us add to the list.....





# Sustainability and Implementation Support E3 Virginia

## **U. S. Environmental Protection Agency, Region 3 role to date:**

- Grant Funding through EPA Pollution Prevention Grants and Source Reduction Assistance Grants (E3 is a regional priority)
- Encourage federal, state and local participation and engagement in E3;
- Providing e-mail information on training opportunities and resources
- E3 national and regional webinars and training opportunities to share best practices/ success stories (i.e. EPA ENERGY STAR webinars; EPA Storm Water information; WASTEWISE Program;
- E3 Success story showcase on E3 national website...[www.e3.gov](http://www.e3.gov)
- Convening discussions and calls :
  - OSHA support discussion;
  - DOC's NIST engagement (national /regional)



## E3 Virginia

### **E3 Southwest Virginia (VA Manufacturing Technology Center ) –Keith Litz**

- E3 South West VA - signed 2011...Wytheville MTC (EPA funding)
- EPA Pollution Prevention and Source Reduction Assistance fund provided for the project development and implementation

### **E3 Danville / Pittsylvania VA (GENEDGE Alliance) – Tom Watson**

- E3 Danville/Pittsylvania County - signed 2012..GENEDGE Alliance
- Funded by Danville Regional Foundation / VA Tobacco Indemnification
- \*\*\*Both VA E3's work collaboratively to provide :
- Technical assessments, and recommendations.
- **What are barriers to implementation ?**



## E3 Virginia Funding Opportunities

- Federal funding opportunities available ...[www.grants.gov](http://www.grants.gov)

### **Investing in Manufacturing Communities Partnership (IMCP)**

The Investing in Manufacturing Communities Partnership is an Obama Administration initiative that will help accelerate the resurgence of manufacturing and create jobs in cities across the country.

<http://www.eda.gov/challenges/imcp/>

**Deadline for applications April 14th**





## E3 Virginia Implementation Support

It has been suggested that it would be particularly helpful to have team engagement for funding applications that addresses sub-components of a given community's plan, including: workforce and training, supplier network, research and innovation, infrastructure, political support, and operational improvements.

Leveraging funding and to identify implementation resources

SBA loans and incentives coming later this year





# E3 Virginia Plan for 2014 and Beyond



- Engage local federal agencies to share info.
- New E3 partnership NASCAR Challenge to be announced during Earth Day (April 22) sustainability implementation results = special NASCAR prize
- Looking for your suggestions...
- Please join our informal meeting for lunch after closing of conference....

