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U.S. ENVIRONMENTAL PROTECTION AGENCY

SEPTEMBER 2016

- ▶ Overview of EPA Brownfields
- ▶ Grant Programs
- ▶ Technical Assistance for Communities
- ▶ Benefits of Brownfields Redevelopment
- ▶ Accomplishments
- ▶ Tools for Communities

# Brownfields Program History

- ▶ In the early 1990s, the U.S. Conference of Mayors highlighted blighted sites – “brownfields” as one of the most critical problems facing cities
- ▶ Environmental justice advocates highlighted abandoned industry sites and broader community environmental and health issues
- ▶ Lenders and developers sought EPA clarification of liability
  - ▶ Industrial and commercial property being abandoned
  - ▶ ‘Fear of contamination’ and ‘liability’ keep buyers/investors away
  - ▶ Brownfields pushed down property values and tax revenues.
  - ▶ Properties not cleaned up and contributing toward community blight
- ▶ Local elected officials, environmental justice advocates and lenders asked EPA to clarify liability and address ‘brownfields’

# EPA Grants & Tools

## *Find, Assess and Clean Brownfields*

- ▶ Grants –provide funding to certain organizations to perform specific activities:
  - ▶ Competitive:
    - ▶ Assessment, Revolving Loan Fund (RLF), Cleanup (ARC)
    - ▶ Environmental Workforce Development and Job Training (EWDJT)
    - ▶ Multipurpose Grants
    - ▶ Area-Wide Planning (AWP),
    - ▶ Research, training, and technical assistance
  - ▶ Non-competitive
    - ▶ State and Tribal Response Programs
    - ▶ Targeted Brownfields Assessment (TBA)
- ▶ Technical Assistance:
  - ▶ Technical Assistance to Brownfields Communities (TAB)
  - ▶ Technical Assistance for Program Implementation (TAP)
  - ▶ Land Revitalization project assistance

# Assessment Grants

- ▶ Provide funding to:
  - ▶ Inventory and assess sites
  - ▶ Cleanup and conduct redevelopment planning
  - ▶ Conduct community involvement and facilitate area wide planning
- ▶ Who is eligible?
  - ▶ State, local, and tribal governments
  - ▶ General purpose units of local government
  - ▶ Regional Council or redevelopment agencies
- ▶ Funding:
  - ▶ Up to \$200,000 to assess properties contaminated by hazardous substances, pollutants, or contaminants and/or \$200,000 for petroleum sites
  - ▶ For site-specific proposals, may seek waiver of \$200,000 limit and request up to \$350,000
  - ▶ Up to \$1 M for assessment coalition

# Revolving Loan Fund Grants

- ▶ Provides funding to capitalize a revolving loan fund that provides loans and sub grants to carry out cleanup of brownfield sites.
- ▶ Who is eligible?
  - ▶ State, local, and tribal governments
  - ▶ General purpose units of local government
  - ▶ Regional Council or redevelopment agencies
- ▶ Funding:
  - ▶ Up to \$1,000,000 per eligible entity
  - ▶ Funds may be used to address properties contaminated hazardous substances and/or petroleum
  - ▶ Requires a 20 percent cost share

# Cleanup Grants

- ▶ Provide funding for cleanup activities at brownfields.
- ▶ Who is eligible?
  - ▶ State, local, and tribal governments
  - ▶ General purpose units of local government
  - ▶ Regional Council or redevelopment agencies
  - ▶ Non-profit organizations

\*Applicants must own the property at time of application
- ▶ Funding:
  - ▶ Up to \$200,000 per site (total of 3 sites)
  - ▶ Requires a 20 percent cost share

# Environmental Workforce Development and Job Training Grants

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- ▶ Provides funding to recruit, train, and place unemployed and under-employed residents of communities affected by solid and hazardous waste to facilitate cleanup of contaminated properties and prepare trainees for future employment in the environmental field.
- ▶ Now supports training in all media within OSWER (solid waste, Superfund, brownfields, emergency response, Federal Facilities, etc.)
- ▶ Who is eligible?
  - ▶ States, counties, municipalities, Federally-recognized Indian Tribes, and U.S. Territories
  - ▶ Colleges and universities
  - ▶ Community job training organizations
  - ▶ Non-profit training centers and Workforce Investment Boards
- ▶ Funding:
  - ▶ Up to \$300,000 each



# Area Wide Planning Grants

- ▶ Provides funding for planning assistance (not for site assessment or cleanup)
- ▶ Awards:
  - ▶ advance an ongoing local planning process
  - ▶ develop an area-wide plan for a brownfields-impacted area (such as a neighborhood, district, city block, corridor, etc.)
  - ▶ identify next steps and resources needed to implement the plan within a brownfields-impacted area
- ▶ 23 Communities were selected for FY10 (Pilot Program)
- ▶ 20 communities were selected for FY13
- ▶ 21 communities were selected for FY15

# State and Tribal Program

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- ▶ Supports establishment and enhancement of State and Tribal Response Programs. Includes support for capacity building, site assessment, cleanup and related program support.
- ▶ Who is eligible?
  - ▶ States, tribes, US territories
- ▶ Funding:
  - ▶ \$50M Annually

# Technical Assistance

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- ▶ **Targeted Brownfield Assessments (TBA)**
  - ▣ EPA contractor-led environmental assessments
  - ▣ Requested by communities, non-competitive
  - ▣ Especially useful for small and rural communities as well as environmental justice communities
  - ▣ Requests are accepted by regions on a rolling basis

# Technical Assistance

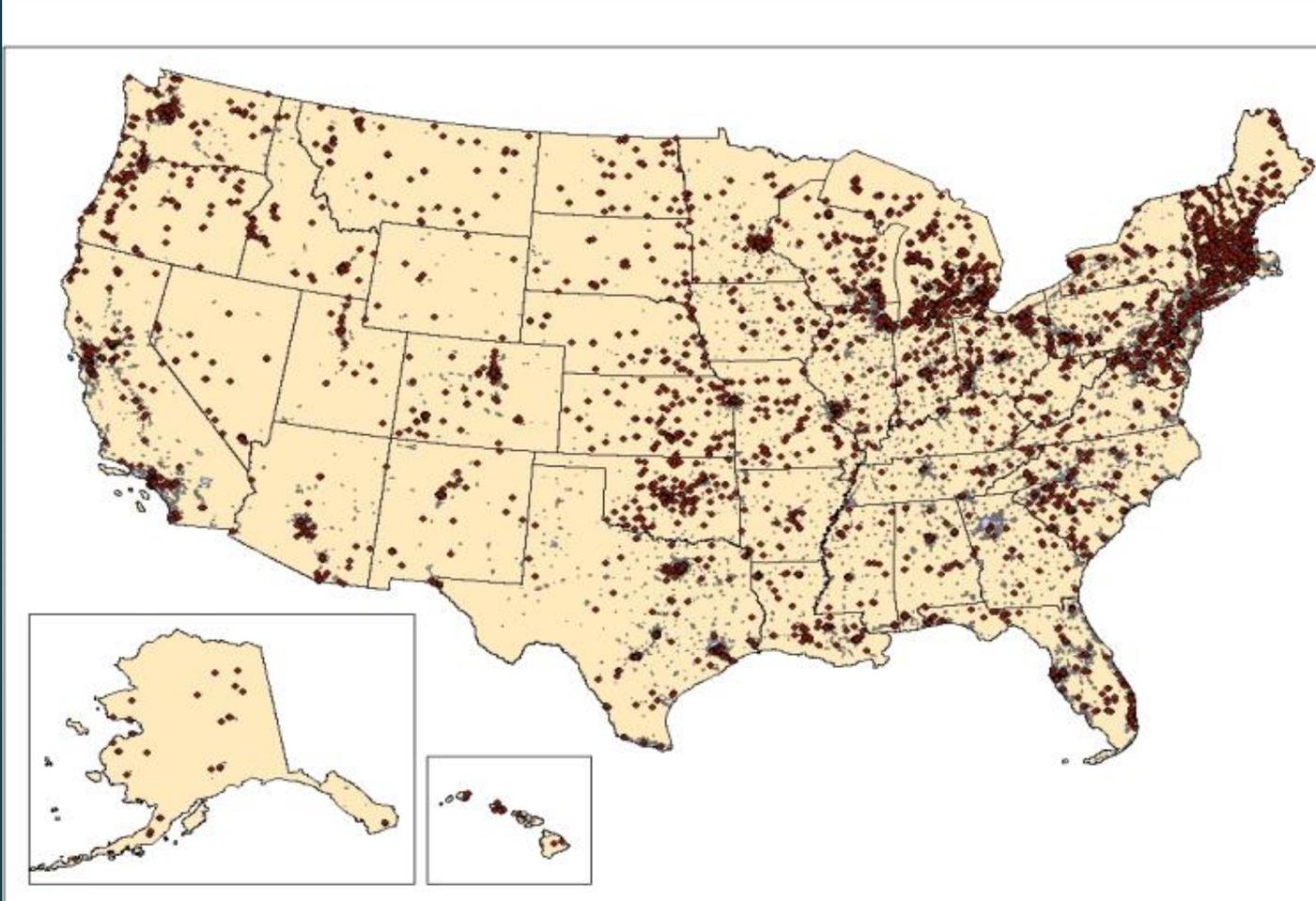
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## Technical Assistance to Brownfields Communities (TAB Program)

- ▶ Provides geographically-based technical assistance and training to communities and other stakeholders on brownfield issues.
- ▶ Available to help guide communities through the cleanup and redevelopment process. TAB Grantees can offer:
  - ▶ help in preparing grant proposals,
  - ▶ performing site inventories,
  - ▶ reviewing historical information,
  - ▶ assisting with the design of the investigation/sampling/field analysis,
  - ▶ and cleanup and redevelopment planning
- ▶ Kansas State University is the TAB Grantee for Region 6, as well as regions 5, 7 and 8 (<https://www.ksutab.org/>)

# Brownfield Properties in the EPA Database

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**Mapped projects:  
Cleanups  
in My Community**

<https://www.epa.gov/cleanups/cleanups-my-community>

# Benefits from EPA Brownfields Funding

- **Through fiscal year 2013, Brownfields funding:**
  - On average, \$17.79 was leveraged for each EPA Brownfields dollar expended
  - And 7.3 jobs were leveraged per \$100,000 of EPA brownfields funds expended on assessment, cleanup, and revolving loan fund cooperative agreements
- **Environmental (Air and Water) Benefits of Brownfields**-Brownfield sites have greater location efficiency resulting in 32-47% reduced vehicle miles traveled for trips associated with these sites
- **Additional Benefits of Brownfields Redevelopment**- Residential property values increased by 5-15.2 percent once a nearby brownfield was assessed or cleaned up

# Other Benefits of The EPA Brownfields Program

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- Reduces blight and
- Revitalizes urban areas
- Removes stigma
- Restores pride in community
- Creates tax revenue
- Creates jobs



- Revitalizes neighborhoods
- Reduces health risks
- Revitalizes neighborhoods
- Reduces health risks
- Protects/creates greenspace
- Reduces sprawl
- Promotes sustainability
- Improves quality of life
- Promotes sustainability
- Improves quality of life

# Overall Accomplishments

*Since EPA Brownfields Program Inception*

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- ▶ Leveraged nearly \$21 billion in cleanup and redevelopment
- ▶ Leveraged more than 108,000 jobs



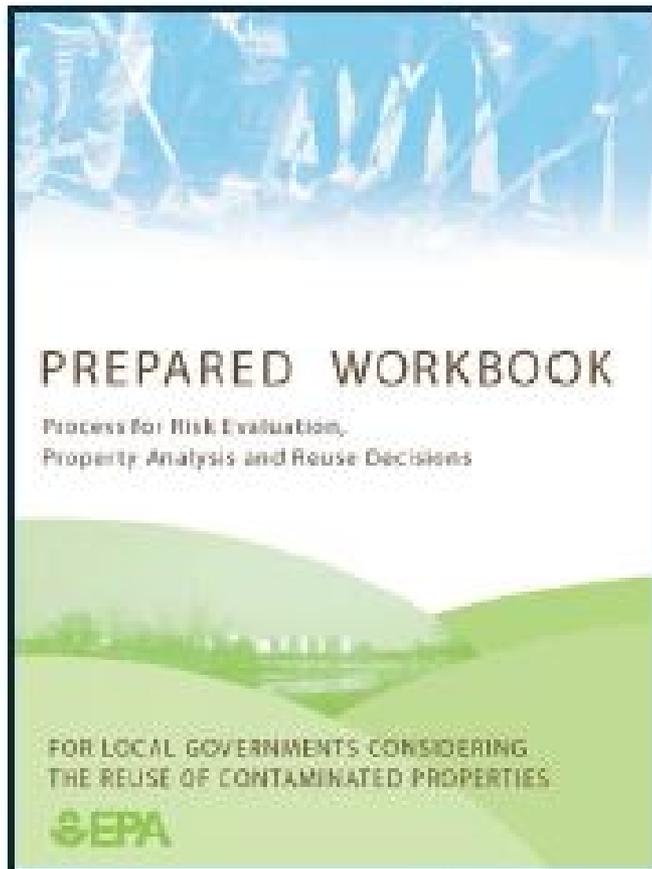
# Tools For Communities

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# Tools For Communities

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The image is a screenshot of a web browser displaying the website for the "PREPARED Workbook". The browser's address bar shows the URL "http://www.dep.state.pa.us/prepared". The website header includes the logo for the "Department of ENERGY & ENVIRONMENTAL PROTECTION" and a navigation menu with options like "Home", "About Us", "Programs & Services", "Information", "Forms", and "Contact Us". The main content area features a large heading: "PREPARED Municipal Workbook (Process for Risk Evaluation, Property Analysis, and Reuse Decisions)". Below this heading, there is a paragraph of introductory text and a bulleted list of key features or steps. The list includes: "Identify risks, and get a report from environmental consultants and engineers", "Identify and assess options for alternatives to a potential reuse/development", "Exclude the risks associated with different levels of development, and", "Anticipate/prepare for situations or contingencies that may arise". The page also includes a sidebar with various links and a footer with additional information.

# Leveraging Guide

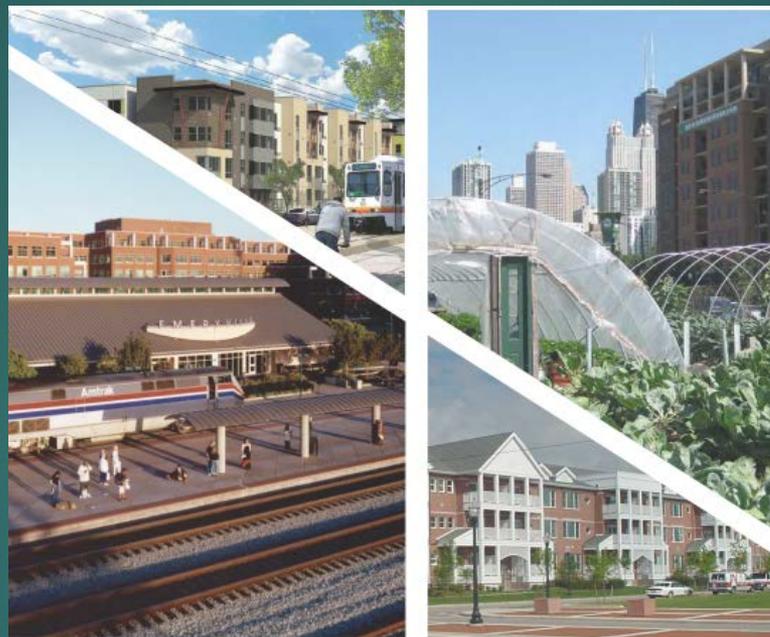
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*Setting the Stage for Leveraging  
Resources for Brownfields Revitalization*

# Guide to State Programs

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Cleaning Up Brownfields  
Under State Response Programs –  
Getting to “No Further Action”

# Business Planning Tool for Urban Agriculture Business

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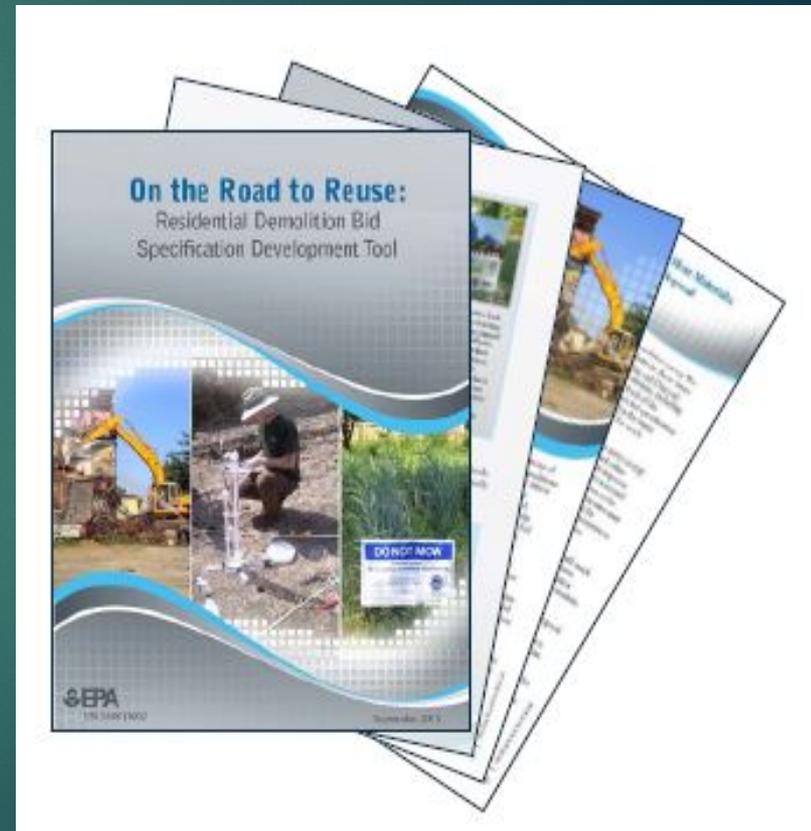
- ▶ EPA worked with the Lucas County Improvement Corporation, Toledo Community Development Corporation (CDC), University of Toledo, Center for Innovative Food Technology, The Collaborative, Toledo Grows, the City of Toledo, Ohio EPA, and the U.S. Department of Housing and Urban Development to help the Toledo CDC develop a business plan for the Fernwood Growing Center.



# Residential Demolition Tool

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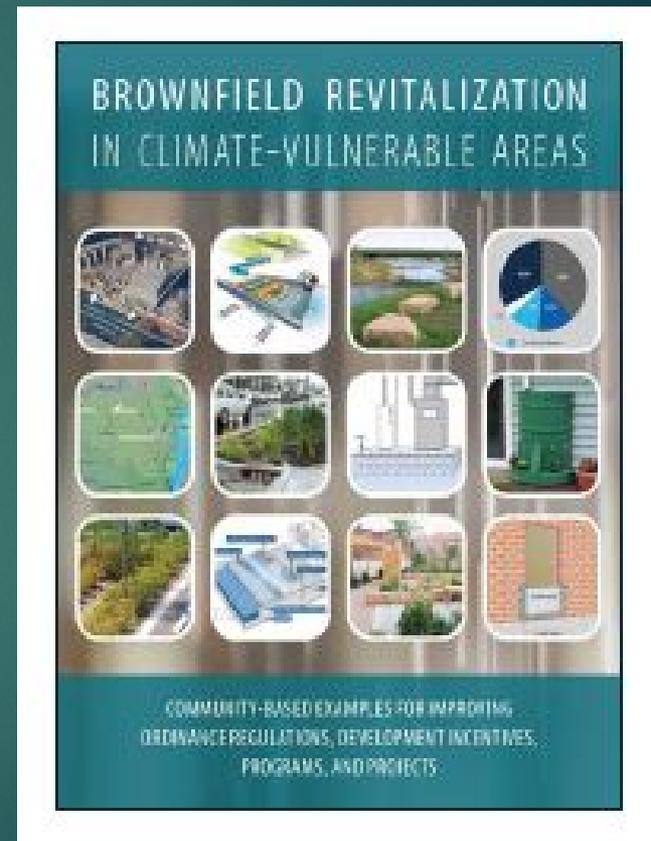
- ▶ Region 5's Land Revitalization Team helped the City of Detroit, Michigan, develop sound demolition practices, prepare demolished sites for reuse, and revitalize demolished lots into "green" sites.
- ▶ This tool helps users anticipate environmental issues and concerns so they can factor them into the planning and procurement process.



# Economic Development and Climate Resilience Planning Tool

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- ▶ The report outlines nationally applicable examples of relevant regulatory standards, incentives, and guidelines to consider when updating zoning, building code, and subdivision regulations
- ▶ Includes examples of non-regulatory projects, programs, and approaches that may be helpful to the communities recovering from major weather events.



# Join Us at the Next National Brownfields Training Conference December 5 – 7, 2017 in Pittsburgh

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**Brownfields 2017**  
SUSTAINABLE COMMUNITIES START HERE  
EPA ICMA  
*Leaders at the Core of Better Communities*

## SAVE THE DATE!

Join us in Pittsburgh ♦ December 5-7, 2017



Photo courtesy of EPA

### 2017 NATIONAL BROWNFIELDS TRAINING CONFERENCE

Pittsburgh ♦ David L. Lawrence Convention Center ♦ December 5-7, 2017