



THE CITY OF

Zanesville

Community Development Department
 401 Market Street • Zanesville Ohio 43701
 (740) 455-0601 Ext. 124

JEFF L. TILTON
 Mayor

JAY D. BENNETT
 Director

December 14, 2015

U.S. EPA Region 5 Headquarters
 C/O: Matthew Didier
 77 West Jackson Boulevard
 Chicago, Illinois 60604-3507

Re: FY2016 USEPA Brownfields Hazardous Substances and Petroleum Products
 Assessment Grant Proposal
 Zanesville-Muskingum County Coalition, Ohio

Dear Mr. Didier:

The Zanesville-Muskingum County Coalition (ZMCC) is submitting the enclosed application for a U.S. EPA Brownfields Assessment Grants (\$450,000 for hazardous substances and \$150,000 for petroleum products). The City of Zanesville and Muskingum County have a rich history but we are facing extraordinary economic challenges from the brownfields present in our community. With EPA's support, we will address this challenge by facilitating new investment.

Muskingum County and its largest city, Zanesville, are located in western foothills of Appalachian Ohio along the Interstate 70 corridor halfway between Columbus, Ohio and Wheeling, West Virginia. We were once known world over for being the pottery capital of the world due to our abundant natural resources and skilled artisan workforce. The operations were generally small which resulted in the industrial activities being located amidst the districts that provided the workforce for the operations. Homes are often situated immediately adjacent to the brownfield sites that require assessment and are scattered throughout our historic neighborhoods.

The manufacturing industry has declined nationwide in recent years, but Muskingum County has been hit extremely hard. Two-thirds of manufacturing jobs disappeared in Muskingum County within the past decade, which is well over twice the rate of employment decline in that sector experienced by the rest of the nation. This job loss has left a group of skilled and motivated workers applying for scarce jobs. For example, when AVON Products opened its distribution center in 2009, 11,000 people applied for 500 jobs. We were once touted as a model American city but as the pottery industry migrated away our community suffered left only with the legacy of environmentally contaminated sites where clay was molded into ceramics. Zanesville was recently noted as the 7th most vulnerable town in the USA.

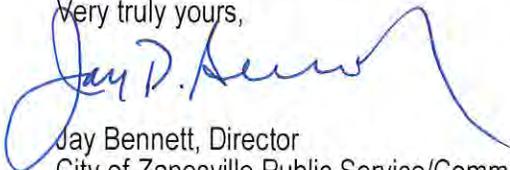
Zanesville (including its Brighton Historic District) and three of the County's micro communities, Roseville, East Fultonham, and Philo, are the Targeted Communities for this grant proposal. Our targeted communities for assessment include areas with multiple brownfields interspersed within neighborhoods as well as the larger and more obvious, but perhaps more isolated, brownfields. The poverty rate in Zanesville is almost three times the federal rate; <50% poverty rate is more than twice the federal rate; the unemployment rate is almost twice the rate of Ohio and the Nation; and median household income is only one-half the national value, 56% of the state value, and two-thirds the Muskingum County value. The issues in the other Target Communities of the ZMCC, including several micro-communities, are similar.

The ZMCC has a plan to address brownfield issues in order to continue revitalizing our neighborhoods to the benefit of our residents and businesses. The Assessment Grant will kick start the brownfields program by providing funds to assess the priority brownfields and other community-identified sites to evaluate threats to sensitive populations and ecosystems and support redevelopment. It will also provide support for area businesses and developers who plan to purchase and redevelop sites located throughout the ZMCC. The Brownfield Assessment Grant will provide a powerful tool to offset the technical, financial, and timing challenges we face as a community. We respectfully request that you consider our application.

The following applicant information is provided as specified in the Grant Guidelines:

- a. **Applicant Identification:** City of Zanesville, 401 Market Street, Zanesville, Ohio 43701; Phone: (740) 455-0601.
- b. **Applicant DUNS number:** 60-663-1562
- c. **Funding Requested:**
 - i. Grant Type: Assessment
 - ii. Federal Funds Requested: \$600,000
 - iii. Contamination: \$450,000 Hazardous Substances and \$150,000 Petroleum
 - iv. Coalition
- d. **Location:** Muskingum County, Ohio; coalition members include the City of Zanesville (lead member), Muskingum County, and the Zanesville-Muskingum County Port Authority, which services Muskingum County.
- e. *Not a site-specific proposal*
- f. **Contacts:**
 - i. The Project Director is Mr. Jay Bennett, Director of the City of Zanesville Public Service/Community Development Department, 401 Market Street, Zanesville, Ohio 43701; Phone: (740) 455-0601x101; E-mail: Jay.Bennett@coz.org.
 - ii. The City of Zanesville Mayor is Mr. Jeff Tilton, 401 Market Street, Zanesville, Ohio 43701; Phone: (740) 455-0603; E-mail: Mayor@coz.org.
- g. **Date Submitted:** December 14, 2015
- h. **Project Period:** Three years (FY2016-FY2018)
- i. **Population:**
 - i. 25,481 (*City of Zanesville; local unit of government*)
 - ii. 85,818 (*Muskingum County population*)
- j. **Other Factors:** The Other Factors Checklist is attached.

Very truly yours,



Jay Bennett, Director
City of Zanesville Public Service/Community Development Department
Attachments: Other Factors checklist

Appendix 3 Regional Priorities Form/Other Factors Checklist

Name of Applicant: Zanesville-Muskingum County Coalition, Ohio

Regional Priorities Other Factor

If your proposed Brownfields Assessment project will advance the regional priority(ies) identified in Section I.E, please indicate the regional priority(ies) and the page number(s) for where the information can be found within your 15-page narrative. Only address the priority(ies) for the region in which your project is located. EPA will verify these disclosures prior to selection and may consider this information during the selection process. If this information is not clearly discussed in your narrative proposal, it will not be considered during the selection process.

Regional Priority Title(s): Region 5: Coordinating Public Funding for Brownfields

Page Number(s): 10

Assessment Other Factors Checklist

Please identify (with an **x**) which, if any of the below items apply to your community or your project as described in your proposal. To be considered for an Other Factor, you must include the page number where each applicable factor is discussed in your proposal. EPA will verify these disclosures prior to selection and may consider this information during the selection process. If this information is not clearly discussed in your narrative proposal or in any other attachments, it will not be considered during the selection process.

	Other Factor	Page #
	<i>None of the Other Factors are applicable.</i>	
	Community population is 10,000 or less.	
	Applicant is, or will assist, a federally recognized Indian tribe or United States territory.	
X	Targeted brownfield sites are impacted by mine-scarred land.	3, 9
X	Project is primarily focusing on Phase II assessments.	5, 7, 8
X	Applicant demonstrates firm leveraging commitments for facilitating brownfield project completion by identifying amounts and contributors of funding in the proposal and have included documentation.	9, 12, App D
X	Recent (2008 or later) significant economic disruption has occurred within community, resulting in a significant percentage loss of community jobs and tax base.	1, 4, 5, 14

<p>Applicant is one of the 24 recipients, or a core partner/implementation strategy party, of a “manufacturing community” designation provided by the Economic Development Administration (EDA) under the Investing in Manufacturing Communities Partnership (IMCP). To be considered, applicants must clearly demonstrate in the proposal the nexus between their IMCP designation and the Brownfield activities. Additionally, applicants must attach documentation which demonstrate either designation as one of the 24 recipients, or relevant pages from a recipient’s IMCP proposal which lists/describes the core partners and implementation strategy parties.</p>	
<p>Applicant is a recipient or a core partner of HUD-DOT-EPA Partnership for Sustainable Communities (PSC) grant funding or technical assistance that is directly tied to the proposed Brownfields project, and can demonstrate that funding from a PSC grant/technical assistance has or will benefit the project area. Examples of PSC grant or technical assistance include a HUD Regional Planning or Challenge grant, DOT Transportation Investment Generating Economic Recovery (TIGER), or EPA Smart Growth Implementation or Building Blocks Assistance, etc. To be considered, applicant must attach documentation.</p>	
<p>Applicant is a recipient of an EPA Brownfields Area-Wide Planning grant.</p>	

**FY2016 USEPA BROWNFIELDS HAZARDOUS SUBSTANCES AND PETROLEUM
ASSESSMENT GRANT APPLICATION
ZANESVILLE-MUSKINGUM COUNTY COALITION, OHIO**

RANKING CRITERIA FOR ASSESSMENT GRANTS

1. Community Need

The City of Zanesville (lead member), Muskingum County (County), and the Zanesville-Muskingum County Port Authority (Port Authority) have formed the Zanesville-Muskingum County Coalition (ZMCC) to address the recognized need to consolidate efforts across the County toward the common goal of mitigating the economic and environmental impact of the numerous brownfields in the region. The separate communities within Muskingum County lack the resources to evaluate and repurpose individual brownfields and don't have the capacity to comprehensively inventory, prioritize, and assess multiple brownfields. ZMCC unsuccessfully applied for a FY2014 USEPA Brownfields Assessment Grant. Since that attempt, ZMCC has strengthened the partnership between Coalition members, garnered media attention ([Click for WHIZ newscast](#)), defined more definitive roles for each member, and been actively involved in the community determining target areas for assessment and raising awareness of the program by hosting three community meetings.

1.a. Targeted Community and Brownfields

1.a.i. Muskingum County and its largest city, Zanesville, are located in western foothills of Appalachian Ohio along the Interstate 70 corridor halfway between Columbus, Ohio and Wheeling, West Virginia. The ZMCC area covers 665 square miles with a population approaching 86,000.¹ Abundant natural resources, including waterways (Muskingum and Licking rivers), high quality clay, and coal for fuel provided an ideal blend of raw materials for the manufacturing industry to flourish. The local pottery industry developed, beginning with a small seasonal cottage industry composed of independent potters known as 'bluebird potteries' in the early 1800s, which grew and flourished into large multi-kiln operations.

As a consequence of its history, Zanesville's nicknames include 'Clay City' and the 'City of Natural Advantages.' At its peak, Zanesville produced more ceramic tiles than any other location in the country. One challenge created by the origins of the pottery/ceramics industry in the ZMCC area is that many of the operations were generally small to mid-sized rather than concentrated into a few very large industrial plants, which resulted in the industrial activities being located amidst the neighborhoods that provided the workforce for the operations. Homes are often situated immediately adjacent to the brownfield sites that require assessment. Over time, the construction and agriculture industries switched from clay to PVC and other materials, shutting the door on much of the pottery industry in the County. This is not uncommon for the manufacturing industry nationwide in recent years, but Muskingum County has been hit extremely hard. From 2001 to 2011, the U.S. saw a 27% decline in manufacturing employment. During the same time period, Ohio's manufacturing employment dropped 31.8%, while Muskingum County's manufacturing sector employment dropped 66.5%.³ **Two-thirds of manufacturing jobs disappeared in the ZMCC area in 10 years, which is well over twice the rate of employment decline in that sector experienced by the rest of the nation. Between 2005 and 2015, ZMCC lost nearly 5,700 manufacturing jobs.⁴ Poverty also runs rampant in the ZMCC, with many communities' poverty rates doubling or even tripling the federal poverty rate, as shown in the table below.** This poverty and job loss has left a group of experienced, skilled and motivated workers clawing for jobs. When AVON Products opened its distribution center in 2009, **11,000 people applied for 500 jobs.⁴** In days past, one national magazine declared Zanesville 'pre-eminent among model American cities.'⁵ In recent days, magazines are declaring it the 'seventh most vulnerable town in the USA.'⁵

Zanesville (including its Brighton Historic District) and three of the County's micro communities, Roseville, East Fultonham, and Philo, are the Targeted Communities for this grant proposal. Our targeted communities for assessment include areas with multiple brownfields interspersed within neighborhoods as well as the larger and more obvious, but perhaps more isolated brownfields. Redevelopment outcomes of this project will coincide with the Livability Principles⁶ of increasing economic competitiveness, supporting existing communities, leveraging federal investment, and valuing existing communities and neighborhoods.

1.a.ii. While many of the largest brownfields throughout the ZMCC area have been vacant or underutilized for decades, manufacturing downsizings are continuing unabated and the trend is compounding the region's economic devastation. Statistics comparing the Target Communities within the ZMCC area to State and National figures are presented below (on following page).

	<u>Population</u>	<u>Un-employed</u>	<u>Poverty Rate</u>	<u><50% Poverty Rate</u>	<u>Percent Minority</u>	<u>Median Household Income</u>
Roseville	1,926 ³	7.7% ²	36.0% ³	14.6% ³	2.9% ²	\$26,250 ³
East Fultonham	323 ³	1.7% ²	32.7% ³	32.7% ³	3.0% ²	\$24,844 ³
Philo	768 ³	7.6% ²	14.4% ³	9.0% ³	2.3% ²	\$43,861 ³
Brighton Historical District	942 ³	9.3% ²	17.3% ³	9.7% ³	20.8% ²	\$32,222 ³
Zanesville	25,481 ³	9.0% ²	29.7% ³	13.9% ³	16.2% ²	\$26,986 ³
Muskingum County	85,818 ⁴	7.0% ⁴	18.0% ⁴	7.5% ⁴	7.7% ⁴	\$40,524 ⁴
Ohio	11,594,163 ⁴	4.5% ⁴	15.8% ⁴	7.3% ³	19.2% ⁴	\$48,308 ⁴
United States	311,536,594 ³	5.3% ¹	11.8% ³	6.8% ³	29.1% ²	\$53,046 ³

¹Data from Bureau of Labor Statistics - www.bls.gov; ²Data from 2010 U.S. Census with ESRI Business Analyst forecasts for 2015 - www.census.gov; ³Data from 2009-2013 American Community Survey - factfinder.census.gov; ⁴Data from Ohio Office of Research.

1.a.iii. The ZMCC identified two health and welfare concerns related to brownfields. The first is the concentration of brownfields located near sensitive populations; the second is the migration of contaminants from brownfields to the County's many lakes and rivers. The Muskingum County GIS Department estimates that between 250 and 300 brownfields, ranging in size from ¼ acre to 160 acres, are located within the ZMCC area. These sites are found in gateways, along riverfronts, or town centers and are disproportionately located in the Targeted Communities. The brownfields include forgotten auto repair shops, gas stations, paint shops, machine shops, manufacturers, junk yards, and municipal dumps and landfills that serviced the population of the ZMCC from the 1880's to the present.^{7a} Many of these sites are located within or near residential neighborhoods. Dillon Lake State Park and hundreds of miles of rivers and streams within the County have excess pollutants and are not clean enough to support recreation.^{7b}

The ZMCC has identified several priority brownfields within the Target Communities on which it will focus Assessment Grant funds, based on size, location, high potential for contamination, proximity to sensitive populations, and high redevelopment opportunity. A larger inventory of approximately 20 brownfields within the ZMCC area has been developed. The following table describes the priority sites, the potential health effects associated with these priority brownfields, and the impacted sensitive populations.

Priority Site (<i>Size, proximity to sensitive populations, and ZMCC member interest</i>)	Historic Use(s) / Possible or Known Contaminants	Potential Exposure Pathways and Health Effects¹
Columbia Concrete Plant <i>Approx. 162 acres in East Fultonham; adjacent to low-income housing, Muskingum River and Lake Isabella (County interest).</i>	Former concrete plant and transport center / volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), metals, asbestos and lead-based paint.	Physical hazards (vacant, blighted structures), inhalation (asbestos, lead, VOCs), ingestion (lead and other metals), direct contact (PAHs, metals), migration to groundwater / headaches, poor coordination, anemia/bone marrow problems, reproductive problems/birth defects (lead), respiratory problems, nerve damage, liver/kidney damage, cancer.
Mosaic Tile and National Plumbing Pottery <i>Approx. 31 acres in and adjacent to the low-income, high minority, Brighton Historical District of Zanesville; Chaps Run flows through site, adjacent to County Fairgrounds, less than one mile from Wilson Elementary (Port Authority and Zanesville interest).</i>	Former pottery and cull piles / heavy metals and VOCs/PAHs from glazes, asbestos from kilns and bldg., lead-based paint suspected; specific conditions unknown. Known TCE impact in groundwater on adjoining site.	Same as above.
Roseville Pottery <i>Approx. 1 acre in Roseville; adjacent to low-income housing, less than 300 feet from library, and 1/3 mile from multiple schools (County interest).</i>	Same as above.	Same as above.
Abandoned Gas Stations <i>Approx. 0.20 acre each (two priority sites in Zanesville), many more in ZMCC area. Located near museums, parks, low-income housing, and</i>	Former gas stations/ VOCs, PAHs, metals, asbestos and lead-based paint suspected.	Same as above.

Priority Site (Size, proximity to sensitive populations, and ZMCC member interest)	Historic Use(s) / Possible or Known Contaminants	Potential Exposure Pathways and Health Effects ¹
Muskingum River. One located in Putnam Historical District (Zanesville interest).		
Ohio Ferro Alloy Approx. 46 acres in Philo; adjacent to Muskingum River and Sycamore Run. Less than one mile from Philo Jr. High and public library (County interest).	Former foundry and strip mines / metals, asbestos and lead-based paint suspected; specific conditions unknown.	Direct contact (metals), migration to groundwater / headaches, poor coordination, anemia/bone marrow problems, reproductive problems/birth defects (lead), respiratory problems, nerve damage, liver/kidney damage, cancer.
Former United Technologies Automotive 17.3 acres in eastern Zanesville; surrounded by low-income neighborhood, less than ½ mile from two schools, parks, and Mill Run (Port Authority and Zanesville interest).	Former automobile parts manufacturing center / VOCs, PAHs, metals.	Direct contact (VOCs, PAHs, metals), migration to groundwater / headaches, poor coordination, anemia/bone marrow problems, reproductive problems/birth defects (lead), respiratory problems, nerve damage, liver/kidney damage, cancer.

¹Agency for Toxic Substances and Disease Registry (ATSDR), ToxFAQs.

1.a.iv. The ZMCC area has additional significant environmental impacts interspersed throughout the region. A former wire plant in Zanesville has contaminated the Muskingum River and impacted the City of Zanesville water supply well field with chlorinated solvents (TCE). Because the site is a superfund, it is not targeted for this assessment grant program, but it illustrates the level of environmental hardships already borne by the population in our area. **Abandoned surface and underground mines are also numerous in the area. The poorly reclaimed surface mines and spoil piles contribute polluted runoff to the Muskingum and Licking rivers and their tributaries and are likely impacted with heavy metals leading to acid mine drainage.** Sinkholes created by the subsidence of collapsing underground mines present a physical safety hazard in both urban and rural areas. Review of national 2015 county health rankings indicates that Muskingum County is near the bottom (66 out of 88 counties) in Ohio for health outcomes, which is based on an equal weighting of length/quality of life. Air pollution in Muskingum County is 21% worse than the United States average,⁸ partially due to Interstate 70 bisecting Zanesville. According to the Ohio Department of Transportation's Office of Technical Services, approximately 56,000 automobiles passed through the Zanesville section of I-70 daily in 2013. Ohio Bureau of Underground Storage Tanks Regulations (BUSTR) reports 34 *known* active releases from USTs that have resulted in groundwater contamination above state action levels in Muskingum County; countless more have not been reported. Compounding the effect of environmental pollutants are additional health concerns that are more prevalent in poor communities and discussed below.

1.b. Impacts on Targeted Community

Brownfields located in close proximity to residences, schools, libraries, and/or parks are negatively impacting sensitive populations by potentially exposing them to numerous contaminants via direct contact and ingestion, airborne particulates inhalation, and vapor intrusion pathways. Nearby brownfields are negatively impacting the health of residents, illustrated below by death rates from cancer (per 100,000) that eclipse both state and national figures.^{9,10} City specific data was unavailable.

Cancer Type:	Lung	Breast	Brain	Cervix	Pancreas	Leukemia	Kidney	All Types
Muskingum County	71	26	6.1	3.7	14.3	8.3	7.0	204
Ohio	55	23	4.5	2.6	11.5	7.3	4.3	187
USA	47	22	4.3	2.3	10.9	7.0	3.9	189

Twice as many children have asthma in Muskingum County (18.5%¹¹) than in the U.S. (9.3%¹²). Adults in Ohio making less than \$15,000 annually are 3.5 times more likely to have asthma than adults exceeding \$50,000 in annual income, demonstrating health disparities due to a lack of healthy food options in impoverished communities.¹² Hospitalization as a result of asthma was reported at 14.9 (per 10,000 population) in Muskingum County, compared to 11.1 for Ohio.¹³ Additional County specific data is unavailable. Mothers with medical risk factors during pregnancy per 100 live births in the County (71%) is much higher than the statewide rate (45%¹⁴).

The Ohio Department of Health (ODH) compiles data for incidence of chronic lower respiratory diseases. According to ODH published data for 2010, the death rate for chronic lower respiratory diseases (per 100,000 population per year) for the County (55.6) are substantially higher than the rates for Ohio

(51.0), as is the death rate due to Alzheimer's disease (42.9 for the County vs. 29.7 for Ohio). These numbers demonstrate 1) the breadth of health concerns across the County's population, and 2) a disproportionate impact from pollution to low-income residents in municipalities of the County.

The majority of the County's population, including sensitive populations such as children, elderly, minorities, and low-income residents, reside in the County's municipalities. The Brighton District of Zanesville, the location of two priority brownfields, along with other sections of Zanesville and Muskingum County are classified as USDA Urban Food Deserts¹⁵ (low income and more than 1 mile from a grocery store with fresh fruits/vegetables) where grocery stores have closed and no new stores replaced them. Residents are no longer easily able to purchase healthy foods. Based on the 2009 National Health Interview Survey, in the U.S., the percentage of obesity among lower income adults (30.7% for household income below \$35,000) is higher than that of higher income adults (26.6%), demonstrating health disparities due to a lack of healthy food options. Stimulating redevelopment will improve the health and quality of life of these sensitive populations. The lead poisoning rate for children in Zanesville is elevated above the state average and triggers mandatory blood lead testing in portions of the Zanesville community. **In Roseville during the 1990s, a USEPA funded investigation of the presence of lead in soil, most likely from waste ceramics and ceramic glazes, found lead at 125 times the normal concentration.**¹⁶

The second health and welfare concern is migration of contaminants from brownfields to the County's many nearby lakes and rivers. There are approximately 2,200 acres of lakes and 615 linear miles of major streams and rivers in Muskingum County. 31% of residents rely on private wells¹⁷ for their water supply, which is especially susceptible to contamination from human activities, as these wells are not as deep or tested as regularly as municipal wells. Migration of contaminants through stormwater and/or groundwater from the County's municipalities, including four priority brownfields adjacent to waterways, presents a threat to water quality, sediments, and the health of aquatic life. Residents and visitors who wish take advantage of the recreational opportunities provided in the County's 13 state parks/forest/preserves, including the approximately 1,325-acre Dillon Lake, may be exposed to these contaminants via direct contact or ingestion. The Assessment Grant will give the ZMCC funds to evaluate the priority brownfields, determine the extent of the suspected contamination, and address exposure pathways. The assessment data will be used to develop remediation plans to control airborne particulate exposures, vapor intrusion exposures, dermal contact exposures, contaminated stormwater runoff and groundwater migration, improving the health of both its residents and its natural resources. As the lead applicant of ZMCC, Zanesville will assist the separate communities within Muskingum County that lack the resources to evaluate and assess the issues associated with brownfields.

1.c. Financial Need

1.c.i. The Coalition's financial need has resulted from the decrease in available revenue with which the municipalities have to operate and provide redevelopment support. **Ohio Local Government Funds to Muskingum County have decreased by more than \$500,000 since 2006.**²¹ Zanesville has experienced a steady population decline from a peak of 40,517 in 1950¹⁸ to 25,481 in 2015. Municipalities within the County are facing ever-tightening budgets as property values decline and local income tax revenues plummet due to declining population. Relative to its size and population, the ZMCC has a disproportionately large number of brownfield sites. Funds which would otherwise have been free for other ventures must now be diverted into street maintenance and repair, as well as policing of vacant structures.

ZMCC's rural makeup only compounds the problems as running and maintaining infrastructure to rural areas consumes larger portions of the budget, more so than densely populated regions. Additionally, Ohio EPA has mandated combination sewer separation projects, which will increase each Target Community's bills 400% over the next 10 years, further stripping available funds from brownfield projects. The Targeted Communities simply cannot afford funds to assess these brownfields and this assessment grant represents their only hope of providing funding to assess brownfields and plan for cleanup and redevelopment to improve both the physical and financial health of their citizens. Redevelopment of these sites will spur economic growth, provide impoverished residents with much needed employment opportunities, and increase the property and income tax bases. Without this grant these risks will remain.

The shrinking population and workforce, along with the significantly lower income of the remaining citizens in our communities combine to create a dire need for outside resources to address issues such as

brownfields. Much of Muskingum County's 66.5%³ decrease in manufacturing employment that has taken place over the last decade can be attributed to local downsizing and plant relocations such as Mattingly Foods, which reduced its workforce; The Lear Corporation, which relocated two plants to Mexico ca. 2000 (loss of 1,300 jobs); and the Longaberger Company, which reduced its workforce by about 9,000 since its peak. **The 9,000 former Longaberger employees alone represent a number equal to more than 10% of the entire current Muskingum County population.**

1.c.ii. The ZMCC's primary financial concern is the lack of quality employment opportunities, which is disproportionately impacting its low income residents. The region's Appalachian cultural roots, and its historic reliance on natural resource extraction and manufacturing (particularly in pottery/ceramics), have resulted in generally lower incomes throughout the area. For example, the poverty rate in Zanesville is almost three times the federal rate; <50% poverty rate is more than twice the federal rate; the unemployment rate is almost twice the state and federal rates; and median household income is only 50% of the federal value, 56% of the state value, and 66% of the Muskingum County value. The issues in the other Target Communities of the ZMCC, including several micro-communities, are similar. **More than one-third of residents in micro-communities such as East Fultonham and Roseville live in poverty while dreaming that the brownfield next door could lead to a quality job.** Efforts to reverse the effects of the steady erosion of population, employment, and income are greatly hampered by the simultaneous accrual of abandoned facilities and brownfield properties throughout the area. The numerous vacant industrial sites, many of which are tightly interspersed within residential neighborhoods, create blighted pockets in our communities, directly contribute to a decline in property values and an increase in crime, and represent a hazard to the health and safety of the citizens living in their shadows. For example, the Brighton District, listed on the National Register of Historic Places, once a vibrant community with two potteries (now brownfields) and a grand sense of community, has become a hotbed of crime including murder, prostitution, and human trafficking; **multiple meth labs are suspected** according to city officials. As criminal activity increases more community members leave, resulting in additional vacant buildings. The resulting loss of income tax and shrinking property tax base generally leaves insufficient resources to procure even essential public services and certainly does not generate the funds necessary to address brownfield redevelopment in a comprehensive and effective manner.

The average home values in the Target Communities are 25% to 50% less than the average Muskingum County home.¹⁹ Decreasing property values result in low to negative asset growth, resulting in less investment by residents. **Property values in Zanesville dropped by 7% (compared to a 3% rise statewide) since 2009.**²⁰ In a vicious cycle of environmental injustice, the same brownfields that cost resident's access to local, good-paying jobs are decreasing their property values.

The second component of the ZMCC's financial need is the decrease in available revenue the County and the municipalities have to operate and provide redevelopment support (discussed above). Assessing only the 20 brownfields currently in the ZMCC inventory would cost approximately \$600,000 (average \$4k Phase I and \$26k Phase II) that the ZMCC does not have available. The Assessment Grant will help the ZMCC assess brownfields and jump-start redevelopment on sites that conventional developers might ignore. This in turn will promote the reuse of abandoned brownfields (utilize existing infrastructure), create wealth generating jobs, and increase revenue, key components of the goals of the following community-driven documents: Muskingum County Comprehensive Plan (2008), Muskingum County Land Use Plan (2012; created with input from City of Zanesville and the Port Authority), and Zanesville draft Comprehensive Plan (2015; specific addresses brownfield goals and policies).

2. Project Description and Feasibility of Success

2a. Project Description

2.a.i. The Coalition will be led by the City of Zanesville and includes the County and Port Authority. This grant will fund community outreach, an updated inventory, up to 19 Phase I ESAs (Environmental Site Assessments), 1 Quality Assurance Project Plan (QAPP), 16 Phase II ESAs, and 4 Cleanup Plans. We anticipate these activities will catalyze our efforts to redevelop underutilized industrial sites, revitalize properties, increase the tax base, and create jobs throughout the region with an emphasis on the Targeted Communities of Zanesville, Brighton, East Fultonham, Philo, and Roseville. The Target Communities have been prioritized because of numerous brownfields bordering residential neighborhoods and sensitive

populations, and impacting the County's waterways, especially the Muskingum River and its tributaries. **The brownfields program approach aligns with the goals of the City of Zanesville's and, Muskingum County's Comprehensive Plans, as well as Muskingum County's Land Use Plan.** The goals of these plans reflect concerns identified by the many community members who participated in developing them: bring community members together to proactively address identified issues and opportunities; develop strategies for policy change; enrich the civic processes, health, safety, and general welfare; preserve and protect natural resources, which contribute to a high quality of life; promote visionary leadership; and provide a broad foundation for planning and decision making in the community. The Assessment Grant will kick start the brownfields program by providing funds to, first, assess the priority brownfields and other community-identified sites to evaluate threats to sensitive populations and ecosystems and support redevelopment; and, second, provide support for area businesses or developers who plan to purchase and redevelop other sites located throughout the ZMCC area (typical due diligence). The ZMCC created an initial approach to brownfields redevelopment, which may be revised as the project progresses if intended outputs/outcomes are not being achieved and/or community concerns arise. Because there are so many brownfields in the County, the ZMCC simply cannot address them all at once. The ZMCC has selected seven sites, with community input, in disadvantaged areas of the County, aligning with the goals of the Comprehensive Plans. By redeveloping the 7 identified priority sites, ZMCC will improve the vitality of existing neighborhoods and create jobs for residents. For example, approximately 31 acres of former industrial and manufacturing space (Mosaic/National Plumbing Potteries) is located in Brighton, surrounded by low-income and minority residents. **The ZMCC has requested the EPA Technical Assistance to Brownfields (TAB) program to assist and facilitate a visioning session scheduled for Spring 2016 for the surrounding neighborhood and other stakeholders. The goal is to include residents in identifying revitalization options that may include a grocery store (which is in high demand by nearby residents). This would create jobs, and eliminate blight and a USDA Food Desert all at once.** Quarterly community meetings are ongoing regarding the future use of this site. End uses have not been determined at other priority sites; however, end uses will likely be determined after input from community members and local developers.

Assessment data will be used to determine the extent of brownfields contamination; evaluate exposure pathways and develop mitigation/remediation strategies that are protective of human health and the environment; and support redevelopment planning and marketing of brownfields. As the grant project progresses, the ZMCC will integrate high-risk and developable sites identified by the community members and community organizations (Sections 2.a.iii, 3.a, and 3.c) into the project and utilize grant funds to assess these sites. As documented in the Memorandum of Agreement (MOA) between Coalition members, a minimum of four sites outside of Zanesville will be assessed (we anticipate more than this number). Other sites will be assessed as business/developer interest occurs during the grant project. These assessments will support commercial/industrial redevelopments in areas with existing infrastructure, creating local jobs and amenities without infringing on greenspace.

2.a.ii. The ZMCC has the pieces in place to begin assessment grant project immediately upon award. The Coalition has agreed upon an MOA between coalition members. After being awarded the Assessment Grant, ZMCC will prepare a Work Plan with community support (Section 3.) for EPA approval. Further expediting the process once funds are awarded, a request for qualifications was completed in October 2015 resulting in the selection of qualified environmental consultant (QEC) to work with the ZMCC throughout the project period (procurement process met state/federal competition guidelines). ZMCC and the QEC (the project team) will lead the brownfields program (Section 5.a) which will begin by preparing an overall 36-month project budget to ensure the project remains on schedule (which will be included in the Work Plan provided to the USEPA). **Zanesville will act as lead organization on the project** and provide staff for day-to-day grant operations including: updating/maintaining the brownfield inventory; distributing project information to the community; site selection; and progress tracking. Zanesville will be responsible for oversight of the QEC and submitting the required reports to the EPA quarterly. Zanesville has established relationships with each of Coalition's communities and will work with property owners and the municipalities to secure site access for assessment activities. Specific roles for coalition members are outline in the MOA.

ZMCC, the QEC, residents of the Targeted Communities, and community organizations (Section 3.) will be involved in expanding the brownfields inventory, which will continue throughout the grant period. Because of legal issues associated with publicly listing private properties, the inventory will focus on developable sites and secure permission to add these sites to the inventory (permission will be secured by Zanesville for sites within city limits and by the Port Authority for sites outside Zanesville city limits). After being deemed eligible by the USEPA and community notification, a Phase I Environmental Site Assessment (ESA) in accordance with ASTM E-1527-13 and/or a Phase II ESA will be performed. A QAPP will be developed by the QEC prior to beginning Phase II ESA activities. Procedures will be instituted to ensure that the community is protected from contaminants during assessment work (Section 4.a). Upon receipt of assessment results, the QEC will work with ZMCC and community partners to devise cleanup, and site use strategies that support redevelopment and improve the environment and health of residents. After completion of initial assessment activities, investigations may be needed to further define the extent of contamination and design environmental response actions for cleanup and safe reuse. Contaminated sites may be entered into the Ohio EPA (OEPA) Voluntary Action Program (VAP). The results of assessments will be disseminated to the community via public meetings and notification of community organizations (Section 3). If health threats are identified, OEPA and the Zanesville-Muskingum County Health Department (ZMCHD) will be notified immediately (Section 3.b). Remedial Action Plans will immediately be developed for priority sites. ZMCC will seek additional funding from local, state and/or federal sources (Section 2.c) for subsequent environmental response actions. Monthly project team meetings will ensure individual projects are progressing and overall completion within the 3-year time limit.

2.a.iii. As previously agreed upon by ZMCC members, brownfields in the Target Communities will be given top priority for funding. **Access agreements are already in hand for multiple priority sites.** The priority sites were selected based on input from ZMCC members and local communities, and using the criteria discussed below. Second priority will be given to other sites that are believed to be impacting residents and sites with an interested, viable developer. Site access will be obtained by: sales agreement (transactions); County or lender for foreclosures (depending on the tax or loan); through local nuisance abatement authority; or from OEPA for sites that present an imminent threat to public health. By assessing these key sites, ZMCC hopes to facilitate redevelopment and improve the vitality of existing neighborhoods, create jobs, increase greenspace, and improve recreational opportunities. The assessment grant will also provide support for businesses and communities to spur redevelopment of smaller sites throughout the County. **Prioritization will include ranking of sites based on the following criteria:** 1. threat posed (human and ecological) by the contaminants of concern and volume/mobility of contamination present of the site, 2. potential for redevelopment (no plan vs. drawings prepared and waiting for site to be remediated to start development), 3. proximity to poverty stricken areas, 4. creation of jobs, 5. creation of greenspace, 6. tax base increase. Access will be secured by Zanesville for sites within city limits, and by Muskingum County for sites outside of Zanesville, prior to requesting an eligibility determination from the USEPA. This approach may be revised as the project progresses if goals for intended outputs/outcomes are not being met or other community concerns arise.

2.b. Task Description and Budget Table

Task 1 Programmatic Costs: Programmatic costs are \$6,050. ZMCC is providing all personnel costs except for \$3,650 (hazardous substances) for updating and maintaining brownfields information in the Assessment, Cleanup, and Redevelopment Exchange System (ACRES) system (\$50/hour for 73 hours). Once a site has been determined to be eligible, it will be entered into ACRES and its profile will be updated after completion of Phase I and II ESAs, remediation, and/or redevelopment. The petroleum grant includes attending one USEPA Brownfields Conference and an additional brownfield conference (\$1,200/trip). Additional work or services necessary to carry out the project, such as the QAPP and Health and Safety Plans, will be provided in-kind by the QEC.

Task 2 Community Outreach: Community outreach costs are \$10,600. Included is \$1,000 (\$500 each grant) for printing and mailing project information and documents to citizens and community stakeholders and contractual costs of \$9,600 for conducting community outreach and stakeholder meetings, updating all ZMCC member websites as new information is generated, drafting press releases, and other activities to complete the community outreach programs (\$5,000 for hazardous substances grant and \$4,600 for petroleum grant). Effort beyond \$10,600 will be provided in-kind through additional labor and expenses

(i.e. travel and supplies) needed to conduct environmental outreach meetings. Output=minimum of 4 kickoff meetings, 30 monthly meetings, 3 project closeout meetings. **Three community meetings have been held and local media have aired news stories on the goals of the brownfield program.**

Task 3 Site Inventory and Selection: ZMCC has an initial inventory (approximately 20 sites) and included \$4,850 in the budget for inventory maintenance costs, which includes travel costs of \$650 for identifying/confirming new sites and showing sites to interested parties (\$250 for hazardous substances grant and \$400 for petroleum grant). As many as 250-300 brownfields are suspected ([Click for Slideshow of Known Brownfields](#), which includes several priority sites). The QEC will assist in compiling the inventory list throughout the project at a cost of \$4,200 (\$2,100 each grant). Output=50 new brownfields identified.

Task 4 Site Assessment: Sites will be evaluated through performance of Phase I and/or II ESAs (conducted in accordance with All Appropriate Inquiry (ASTM Standard E1527) and other ASTM standards and practices) and, when appropriate, the Ohio VAP. ZMCC will focus grant funds on performing assessments, especially Phase II ESAs, to determine the nature and extent of the contamination at priority sites. The costs for completing Phase I and Phase II ESAs will vary depending on the complexity and whether VAP compliance is required. Based on past experience, ZMCC estimates Phase I ESAs will cost \$2,500 to \$7,000, VAP Phase I ESAs will cost \$7,000 to \$10,000, and Phase II ESAs will cost \$15,000 to \$60,000. The hazardous substances grant budget includes contractual costs of \$416,000 based on 14 Phase I ESAs at \$4,000 each (\$56,000 total), and 12 Phase II ESAs at \$30,000 each (\$360,000 total). The petroleum grant budget includes contractual costs of \$122,000, based on five Phase I ESAs at \$4,000 each (\$20,000 total) and four Phase II ESAs at \$25,500 each (\$102,000 total). These are averaged costs used for budgeting. Actual costs may vary. Output=19 Phase I ESAs and 16 Phase II ESAs completed.

Task 5 Cleanup Planning: ZMCC will conduct cleanup/redevelopment planning as required by the Ohio VAP for brownfields where redevelopment is imminent and such activities will facilitate the redevelopment. This may include preparation of Remediation Work Plans (RWPs), assessment of brownfields cleanup/redevelopment alternatives, and evaluation of institutional and engineering controls. Contractual costs for this task are estimated at \$22,500 (hazardous substances) and \$18,000 (petroleum), based on completing two hazardous substances RWPs at \$11,250 each and two petroleum RWPs at \$9,000 each. Output=4 RWPs and cleanup plans completed.

Budget Categories	Hazardous Substances Assessment Grant Project Tasks					
(programmatic costs only)	Task 1 Programmatic	Task 2 Community Outreach	Task 3 Site Inventory	Task 4 Site Assessment	Task 5 Cleanup Planning	Total Budget
Personnel	\$3,650					\$3,650
Travel			\$250			\$250
Supplies		\$500				\$500
Contractual		\$5,000	\$2,100	\$416,000	\$22,500	\$445,600
Total Budget	\$3,650	\$5,500	\$2,350	\$416,000	\$22,500	\$450,000
Budget Categories	Petroleum Assessment Grant Project Tasks					
Personnel						
Travel	\$2,400		\$400			\$2,800
Supplies		\$500				\$500
Contractual		\$4,600	\$2,100	\$122,000	\$18,000	\$146,700
Total Budget	\$2,400	\$5,100	\$2,500	\$122,000	\$18,000	\$150,000

To evaluate progress, ZMCC will document the outputs listed above. ZMCC will also measure the following outcomes: acres of land assessed, remediated and redeveloped, acres of greenspace and parks preserved or created; jobs created or retained; tax revenue generated; redevelopment investment value; and other funding leveraged. ZMCC will evaluate the project progress quarterly to assure the funds are being expended as anticipated and if the completed assessments are catalyzing remediation and redevelopment investment, creating jobs and mitigating exposure risks. ZMCC will adjust the site funding approach if the project is not generating the expected outcomes.

2.c. Ability to Leverage: Assessment Grants can be vital for catalyzing brownfields redevelopment projects because they cover the costs of site assessment needed to support liability management, project design, and remediation planning. This alone is rarely sufficient to ensure a successful redevelopment. ZMCC understands this grant will not be a complete cure to the conditions brownfields have created and additional sources of funding will be required to ensure a successful program. ZMCC, therefore, is pledging resources to the project and will secure additional funds to supplement this grant. With the grant and supplemental leveraged funds, ZMCC will be able to immediately tackle these projects and facilitate redevelopment. The table below identifies additional local resources that ZMCC can readily access to support assessment and subsequent cleanup and redevelopment activities, if funded.

Source	Resources Leveraged/Role of Resources	Estimated/ Anticipated Value	Likelihood
City of Zanesville, Muskingum County, and Port Authority	<ol style="list-style-type: none"> 1) Staff time for outreach and programmatic activities. 2) Meeting rooms, educational materials, equipment for outreach/workshop events. 3) Site access support (clearing of brush and debris, building access, etc.) to support Phase I and Phase II ESA activities. 4) Cash to assist with assessment/reuse planning in years 2 and 3 of project 	<p>\$15,000 from Staff (300 hrs. at \$50/hr.)</p> <p>\$5,000 (meeting venue/equipment/supplies costs of \$500 per event, for ten events)</p> <p>\$5,000 (equipment/ supplies and staff costs (at \$50/hr.) to aid in site access support.</p> <p>\$10,000 towards assessment/reuse planning (\$5k each in years 2 and 3)</p>	100% ZMCC will require the in-kind resources (Zanesville funds commitment letter attached)
ZMCHD	<ol style="list-style-type: none"> 1) Evaluate existing data on the health of Muskingum County residents. 2) Assist with public engagement through our website and other outreach programs. 	\$12,000 from Staff (240 hrs. at \$50/hr)	100% (commitment letter attached, Section 3b)
Zane State College (ZSC)	Professor (CHMM) and students will complete Phase I ESAs for interested parties free of charge. Will educate both the campus and surrounding area on environmental issues associated with brownfield sites.	\$12,000 estimated value (assuming 3 Phase I ESAs)	100% (commitment letter attached, Section 3c)
QEC	<ol style="list-style-type: none"> 1) Documentation including: QAPP, monthly status reports, HASPs, project administrative meetings 2) Develop hazardous substance educational program 	<p>\$10,000 (100 hrs. at \$100/hr.)</p> <p>\$7,500 (75 hrs. @\$100/hr.)</p>	100% (required to provide in-kind)
Muskingum County Job & Family Services	<ol style="list-style-type: none"> 1) Facilitate job training and placement tied to redevelopment projects. 2) Assist those seeking employment to develop job plans to ensure continued success. 3) Alert public of employment opportunities/training 	\$10,000 from Staff (200 hrs. at \$50/hr.)	100% (commitment letter attached, Section 3b)
HUD CDBG	Funds used to prevent and eliminate blight in low-income areas.	\$105,000 (average amount annually awarded to Zanesville)	95%
Local Communities	Will host community forums	\$5,000 (meeting venue/equipment/supplies costs of \$500 per event, for ten events)	100% (commitment letter attached, Section 3b)
Technical Assistance to Brownfields	Community outreach/training/visioning for site reuse, Greener Cleanup Strategies for cleanup plans.	\$10,000 from Staff (200 hrs. at \$50/hr)	80% (in progress)
Zanesville-Muskingum County Chamber of Commerce	Will host community forums and provide assistance with marketing, communication, and outreach to residents and businesses in the community.	\$5,000 from ZMCCC staff (100 hrs at \$50/hr)	100% (commitment letter attached)

ZMCC members have experience in investing, cooperating, and leveraging grant funds for the redevelopment of our community. Working together previously, the three coalition members invested over \$10 million in local funds and leveraged over \$8.8 million in federal and state funds towards the development of EastPointe Business Park, constructed on a former coal strip mine. ZMCC cooperated to

create a Joint Economic Development District to share in development costs as well as income tax revenue generated by the Business Park. Today the park has 2 million square feet under roof and about **1,700 employees**. Tax exemptions are available to bring in additional new businesses.

Current studies are being completed at former Ohio Ferro Alloy priority brownfield site in Philo to determine if a new bridge across the Muskingum River is feasible in this location. If the site is selected, development funds will be available from County, State, and Federal sources. **ZMCC's ability to leverage funds from other sources, as listed above, aligns with the USEPA Region 5 Priority: Coordinating Public Funding for Brownfields.** ZMCC plans to apply for the following state and federal leveraging resources:

Program	Amount	Program Description	Application to brownfields program
USEPA			
Brownfield Cleanup & RLF Grants	\$200,000-\$1,000,000	Outreach and Cleanup of hazardous substance/petroleum contamination	Community Involvement and Cleanup of Brownfields Sites
Area Wide Planning Grant	\$200,000	Opportunity to build local ownership and commitment around shared vision for area's cleanup and redevelopment.	See left. ZMCC intends to apply next time AWP Grant is available (FY2017)
Ohio EPA / Ohio Developmental Services Agency (ODSA)			
Ohio Brownfield Fund	\$500,000 - \$5,000,000	Low-interest loan program for area-wide planning/assessment/cleanup	Loans for Community Involvement, Assessment, and Cleanup of Brownfields Sites
Abandoned Gas Stat. Cleanup Grant	\$500,000	Assessment and removal/cleanup of USTs at abandoned gas stations. Applications accepted beginning January 2016.	In January 2016, ZMCC will apply for assessment/cleanup money at 2 priority gas stations sites, freeing up USEPA grant money.
Jobs Ohio	\$500,000 - \$5,000,000	Loans and grants to assist with redevelopment of sites with likely job retention	Cleanup/redevelopment of abandoned or underutilized sites. ZMCC will apply when developers show interest to sites.
Targeted Brownfield Assessment Grants	\$557,000 (total funds)	Provides property assessments on brownfield sites at no cost to eligible public entities	VAP Phase I and Phase II ESAs free of charge. ZMCC application pending: December 2015.
Neighborhood Revitalization Grant (through HUD CDBG)	\$500,000	Projects are designed to improve the quality of life, livability and functionality of distressed areas through a targeted investment in public facilities such as construction/rehabilitation of public infrastructure in a low- and moderate-income neighborhood.	Submitting application for Brighton area of Zanesville (Target Community). Project director feels strongly that Zanesville will be awarded grant in FY2017, based on meetings with ODSA leadership team.

3. Community Engagement and Partnerships

3.a. Plan for Involving Target Community and Other Stakeholders/Communicating Project Progress

3.a.i. ZMCC understands the importance of community involvement, outreach, and planning. During formation of the Zanesville (lead member) Comprehensive Plan, which is in the process of being finalized, feedback from citizens and community leaders guided the development of the plan's goals. Following notice of an Assessment Grant award, the ZMCC will announce the award and the availability of the draft Work Plan to the community through a press release to the local newspaper (Zanesville Times Recorder) and by posting a notice on the Coalition members' websites. ZMCC will place advertisements/public service announcements on the local cable TV access channel and local area radio stations (WOUZ 90.1, WJIC 91.7, WHIZ92.7/1240AM) to reach members of the community at every educational level and those without internet service, and send written or electronic notices to local business leaders (bankers, real estate brokers, developers). **NBC news in Zanesville has run several stories on their webpage and had a live newscast ([Click for WHIZ newscast](#)) discussing the Coalitions' application and goals.** ZMCC will establish a Facebook page, LinkedIn group, and Twitter handle for the grant, which will allow the community to interact with ZMCC during the entire project. ZMCC will include instructions on how to reach these internet forums in the initial press release. Hard copies of the draft Work Plan will be made available at the ZMCC members' offices, micro-communities town halls, and local public libraries for access by those without computer access. The public will be able to provide comments verbally to ZMCC staff, electronically on Facebook/LinkedIn/Twitter, and in writing by email or letters to the City of Zanesville. The comments will be discussed during a public meeting hosted by the ZMCC. The draft Work Plan will be modified in response to relevant comments.

To ensure the Targeted Communities are engaged, the project team will canvass target neighborhoods with the meeting announcements and risk awareness educational materials. Kick-off meetings will be broadcast via webinar for citizens who cannot attend. Meeting materials/minutes will be posted on Facebook, LinkedIn, Twitter, and ZMCC members' websites with hard copies available at locations described above. ZMCC will present the reasoning for site selection at public meetings and solicit feedback. ZMCC will use community comments and project viability as metrics to access grant funds.

3.a.ii. Following Work Plan approval, the ZMCC will schedule a public kick-off meeting to acquaint the community with the project and its goals. Public meetings will be scheduled in each Target Community to ensure that the various communities are engaged. The public will be asked to identify brownfields they feel are impacting health and welfare, which will be added to the inventory. After completing an assessment, information will flow outward to the community, notifying local stakeholders of results, and explaining health and environmental impacts. Assessment results will be posted on ZMCC members' websites, Facebook, LinkedIn, and Twitter, with hard copies available as previously described. If health threats are identified, written notices will be sent to impacted citizens and the ZMCHD will be contacted. When cleanup and/or redevelopment planning is initiated, explanations of plans and solicitation of comments on those plans, will be implemented. The project team will hold open public monthly meetings in the micro-communities where assessments are being conducted for stakeholders to solicit feedback on the assessment grant findings and ways to promote and improve project outcomes. Monthly updates will be provided at public county/town meetings and the project team will attend community organization meetings to discuss project results. At project close, ZMCC will hold a final public meeting to discuss the project outcomes.

3.b. Partnerships with Government Agencies

3.b.i. The City of Zanesville, lead coalition member, will run the brownfield program. The City will continue to call on established relationships with Ohio Department of Transportation (ODOT), the Ohio Development Services Agency (ODSA), and OEPA or Bureau of Underground Storage Tank Regulations (BUSTR) Program to assist with Assessment Grant activities (hazardous substances and petroleum products, respectively). The City will also work closely with OEPA and BUSTR to ensure appropriate assessment and cleanup activities are conducted. This project will be conducted in compliance with OEPA guidance documents and Ohio's VAP. Zanesville will work with OEPA staff for resolution of regulatory or procedural issues, interpretation of rules/guidance documents, and technical guidance. When contamination is discovered, the cleanup criteria established under the VAP will be used to identify and address on-site health and environmental threats posed by contamination. If contamination discovered through assessment has the potential to negatively impact the health of local populations, especially as related to off-site exposures, OEPA will be notified and brought in as a project partner with ZMCC and ZMCHD.

The City also has great local relationships with the ZMCHD and Muskingum County Job and Family Services (MCJFS). The ZMCHD public health nuisance complaint program and several ZMCHD programs, such as handling environmental nuisance complaints for commercial buildings (e.g. dangerous blight) and environmental health administration, relate to the ZMCC's Brownfield program. The ZMCHD has been actively involved in education/notification, testing, and monitoring related to radon, mold, lead poisoning, and groundwater protection. The expertise and experience of the ZMCHD will be called upon to help assess off-site health threats posed by contamination; design/conduct notification/education programs; and coordinate health testing if migration of contamination from a brownfield is confirmed. MCJFS will provide the services previously mentioned in the table in Section 2.c (Ability to leverage). Both MCJFS and ZMCHD will also assist with community outreach.

3.b.ii. The Muskingum County Land Reutilization Corporation, which serves as an area land bank, will partner with the ZMCC because effective redevelopment requires both a means to properly assess brownfield liabilities and to acquire and assemble parcels suitable for redevelopment. The Muskingum County Planning Commission will be included because of their expertise in land use planning, GIS and the regulations involved in redevelopment. The Zanesville Community Development Office (ZCDC), Zoning Officer and Code Enforcement Officer will also be included because of their insight into the regulations, procedures, and funding opportunities involved in redevelopment. The City plans to assist with historic preservation and has an established Historic Design Review Board. Several communities within Muskingum County (Villages of Philo and Roseville, Muskingum, Springfield, and Washington Townships)

have pledged to be active partners and host community meetings (Appendix D). ZMCC has broad based support and has entered into discussions with local municipalities and other partners about leveraging funding. The Ohio Dept. of Natural Resources will be included because of their knowledge of mine reclamation and issues affecting local rivers. Additionally, the Agency for Toxic Substances and Disease Registry’s Community Environmental Health Education Kits, presentations, and fact sheets will compliment outreach efforts. We will seek technical assistance with questions we can’t answer.

3.c. Partnerships with Community Organization

3.c.i. The ZMCC has identified 24 organizations, including the following, who will be project partners:

Minority Business Resource Network: The goal of the MBRN is to improve the quality of life for all minorities in SE Ohio through economic growth. The MBRN will provide support, community organization, and outreach, and other in-kind activities requested by the ZMCC and approved by the MBRN.

Muskingum Rivers Advocacy Council: The Council will assist with public outreach and risk-awareness education programs, identify sites that may be impacting river ecosystems, and provide input into brownfield redevelopment projects within the ZMCC area to ensure new projects are protective of sensitive ecosystems.

Muskingum County Library System: The library system will research brownfields and provide information to the Coalition, as well as host meetings and assist with community organization and outreach.

United Way of Muskingum, Perry, and Morgan Counties: The United Way will communicate and coordinate with other local non-profit organizations about the grant.

Zanesville-Muskingum County Chamber of Commerce: ZMCCC is committed to improving regional economic conditions and will host community economic development forums, advertise the grant program, and help entrepreneurs in accessing and utilizing the grant funds.

Zane State College: ZSC is a two-year public college in Zanesville. ZSC is offering to assist with completion of Phase I ESAs for targeted brownfield properties for the educational instruction that such work would provide. This arrangement will offset some of the cost of completing Phase I assessments, foster local interest and involvement in our brownfield program, and prepare students for a career in environmental related fields.

OSU Extension: The goal of the OSU Extension is to engage people and strengthen their lives and communities through research-based education programming. OSU Extension has committed to educating the community about water quality, ecological health, and protecting their local water resources, which in turn will educate residents on the negative effects of brownfields/reduce exposure at existing brownfields..

3.c.ii. Letters of support from the above organizations, among *many* others, are included in Appendix C.

4. Project Benefits

4.a.i. Health and/or Welfare Benefits: The specific health and welfare benefits associated with redevelopment of the priority brownfields are summarized in the following table. Similar benefits, in whole or part, can be expected from redevelopment of smaller brownfields located throughout the ZMCC area.

Priority Site	Health and/or Welfare Benefits
Columbia Concrete Plant and Ohio Ferro Alloy	The soil and groundwater will be assessed to identify hazardous substances impact to facilitate remedial planning to limit direct contact exposures and migration into adjacent bodies of water. Assessing these properties will also aid in putting these large swatches of land near residential areas and rivers into productive use.
Mosaic Tile, Roseville Pottery, and National Plumbing Pottery	The soil, groundwater, and/or soil gas will be assessed to identify hazardous substances impact to facilitate remedial planning to limit 1) vapor intrusion concerns on-site and for nearby residents, and 2) direct contact exposures. Assessing these priority sites will aid in redevelopment, eliminating large crumbling vacant facilities and safety concerns for the surrounding neighborhoods.
Abandoned Gas Stations, Former United Technologies Automotive	The soil, groundwater, and/or soil gas will be assessed to identify the extent of petroleum impact to facilitate remedial planning to limit 1) vapor intrusion concerns on-site and for nearby residents, and 2) direct contact exposures. Assessing these priority sites is the first step in eliminating health hazards for the low-income surrounding neighborhoods.

Additionally, at each brownfield with existing structures, hazardous building materials (i.e., asbestos and lead-based paint) will be assessed. Cleanup planning will be conducted so that hazardous materials can

be abated and blighted structures can either be renovated or demolished, increasing public safety and limiting exposures to a known carcinogen and a systemic poison.

When these sites are remedied, the benefits to the health of the communities and the environment will be manifested in outcomes such as potentially reversing or stabilizing the rising cancer rate in the population or mitigating the elevated lead poisoning levels in our children. Waterways along the Muskingum and Licking rivers will be cleaner, have more greenspace, and more accessibility so that residents can enjoy their natural beauty and the benefits of recreational opportunities that will increase both health and quality of life. The priority brownfields are located in close proximity to residential areas, parks, waterways, and schools; therefore, reductions in health and welfare threats will directly benefit the disproportionately affected, impoverished residents, helping to address the environmental justice issues these brownfields present. Cleanup and redevelopment of these sites will greatly reduce current threats to citizens living, working, and playing in those areas. Redevelopment of these brownfields epitomizes the equitable development principle of utilizing new investment in economically disadvantaged neighborhoods in a way that directly benefits the residents. The redevelopment outcomes of this project coincide with the guiding Livability Principles of increasing economic competitiveness, leveraging federal investment, and valuing and supporting the communities within the Coalition area. Zanesville, the lead member, has experience revitalizing blighted low-income areas. The Greenwood Revitalization Project in 2002 demolished almost 200 dilapidated houses and replaced them with 23 four-bedroom units for low-income families.

4.a.ii. Environmental Benefits: The cleanup of brownfields along the Licking and Muskingum Rivers, including on-site storm water management, will limit uncontrolled, nonpoint pollution sources and illicit discharges into the river watersheds. This will reduce contaminants into the rivers, improve aquatic life, and allow for fishing and recreation activities so the rivers can become safe, accessible, focal points for the communities, a major part of the ZMCC's vision for the future. Assessment of soil, groundwater, and soil gas may also lead to environmental cleanup of these media, which will reduce future exacerbation issues..

4.b. Environmental Benefits from Infrastructure Reuse / Sustainable Reuse

4.b.i. Sustainable development principles, including matching land use to existing infrastructure to preserve natural resources and green space, are woven into the Muskingum County Land Use Plan (2012) and the Zanesville and Muskingum County Comprehensive Plans. The current financial condition of the County makes it nearly impossible to capitalize new infrastructure; therefore, the ZMCC decided that grant funds and other redevelopment incentives will only be provided to projects located on sites where infrastructure necessary to support the project already exists or can be upgraded at a reasonable cost. This will enable contractors to reduce the use of construction materials and limit air emissions from construction. The ZMCC also will use Assessment Grant funds and other brownfield incentives as "carrots" to encourage the incorporation of sustainable and "green" redevelopment components, such as innovative stormwater management techniques (rain gardens, bioswales, etc.), use of low-volatility building materials, and installation of energy efficient heating/cooling and lighting systems.

ZMCC will encourage the use of "green" site investigation methods (e.g., in-site data loggers, direct-push drilling, solar powered equipment and charging systems), remediation techniques (e.g., idling reduction plans for equipment, diesel vehicle retrofit technologies) and, if demolition is necessary, will strongly encourage deconstruction practices rather than traditional demolition of buildings and recycling/reuse of demolition debris. ZMCC encourages the installation of energy efficient heating/cooling and lighting systems, resulting in reduced resource use and operating costs, and encourage developments to pursue certification through the LEED program. These sustainable development approaches will help ZMCC reuse existing resources, reduce fossil fuel use and emissions, and minimize its energy use and waste generation during brownfields redevelopment.

ZMCC has experience incorporating sustainable development with brownfields, converting former strip mines into the EastPointe Business Park (previously discussed in Section 2.c) and another into the Wilds, one of the largest and most innovative wildlife conservation centers in the world. Additional brownfield redevelopment projects, such as the Quasar Energy Group (QEG) project, have resulted in jobs and clean energy. QEG repurposed a **former cement plant in Zanesville to use the anaerobic digestion process to create energy. The process is carbon neutral, and the waste fluid from the process is an organic fertilizer.** QEG achieved significant recognition in 2008 when it was awarded the

nation's largest grant and guaranteed loan by the United States Department of Agriculture - Renewable Energy for America Program. Avon, constructed in Zanesville in 2009, was designed with LEED Green Building Principles including collection and re-use of grey water; water efficient landscaping; energy efficient lighting and recycled materials in the furnishings and other building materials. Also, during demolition of buildings at the Superfund site in Zanesville in 2014, all building debris was recycled.

4.b.ii. Each of the planned redevelopment projects in the Targeted Communities discussed in this application meet no less than four of the criteria that define the USEPA's Livability Principles: increase economic competitiveness, support existing communities, leverage federal investment, and value communities and neighborhoods.

4.c. Economic and Community Benefits (long-term benefits)

4.c.i. Each successful redevelopment will have the following positive economic impacts: 1) Removal and/or redevelopment of the abandoned commercial and industrial sites will reduce the negative impact on home values, boost tax revenues, preserve/enhance greenspace, and reduce the financial strain on the ZMCC's protective forces (police and fire) caused by the need for increased monitoring of these facilities. 2) Redevelopment will provide opportunities for new businesses that will bring higher-paying jobs. These jobs, along with entertainment venues and educational institutions (Zane State College, OU Zanesville), will recruit young professionals to work and live in the ZMCC area. 3) With new job opportunities, ZMCC residents will once again be able to support their families and invest in their communities, improving living conditions in struggling neighborhoods and the communities while increasing both the income and property tax bases. These outcomes coincide with the guiding Livability Principles of valuing/supporting community neighborhoods and increasing economic competitiveness. Specific sites will have specific redevelopment plans, based on their size and location. For example, redevelopment of the former potteries in the Brighton District with a grocery store/mixed-use development will result in an estimated investment of \$25 million (including cleanup) and add 100-150 new jobs,²² also increasing property and income tax revenue and eliminating a USDA Food Desert. EPA TAB will guide the process. Zanesville has applied for a USEPA Local Foods/Local Places Grant, which may further benefit the Brighton redevelopment projects.

With the economic downturn and aging population; residents are turning to community parks for inexpensive family recreation. These changes require a shift towards accessible trail and park systems. Also parks and urban greenspace along the waterways act as environmental and floodway buffers, keeping industry from infringing on sensitive ecosystems. Assessment of brownfields along the rivers will facilitate the Coalition's acquisition of the needed lands, with assistance from the Muskingum County Land Reutilization Corporation (land bank).

4.c.ii. Currently, there is no USEPA Environmental Workforce Development/Job Training program in the ZMCC area. As previously mentioned (Section 3), ZMCC has a great relationship with Muskingum County Job and Family Services (MCJFS). Based on current workforce skills, ZMCC and MCJFS think that food processing and logistics are the most likely sources of future employment. ZMCC will focus employment on these areas. Additionally, ZMCC will use its connection with Zane State College (ZSC) and OU – Zanesville (Section 3.c) to link area residents to the required education and training necessary to secure employment in supply chain management and logistics fields. By using ZSC students to inventory brownfields and assist with Phase I ESAs, ZMCC will provide students with work experience and spur interest in environmental careers. ZMCC will apply for USEPA Job Training grants when available.

5. Programmatic Capability and Past Performance

5.a. Programmatic Capability: The Coalition is ready to implement an Assessment Grant and will request to begin community outreach prior to Cooperative Agreement approval. Since their unsuccessful attempt for funds in FY2014, ZMCC has been implementing additional measures to ensure success. Three community meetings regarding the brownfield program have been held; the brownfield program has also garnered local media attention. A list of area developers has been created; ZMCC plans to contact each upon reward of assessment grant funds. The project team has a Memorandum of Agreement (MOA) between the Coalition partners, with specific roles for each, and has already selected a qualified environmental consultant (QEC) through a qualifications based search. The project team will determine which sites will be assessed in accordance with the MOA and the criteria discussed in Section 2.a.iii. The QEC is experienced in all aspects of USEPA Assessment Grant management and has extensive

experience with, and understanding of, the Ohio VAP and BUSTR. ZMCC staff members who will work on this grant project comprise a dedicated team that brings a variety of experience to the project.

Mr. Jay Bennett, Director of the Zanesville Public Service/Community Development Department, will serve as project director. Mr. Bennett is directly responsible for formulating and recommending policies, programs, and procedures for the City. He has over 28 years of experience in management, economic development, community development, and planning. **Mr. Bennett has written and administered numerous federal and state grants, totaling more than \$12 million.** Additionally, he has provided direction for accounting of federal grants such as USEPA, USEDPA, and HUD CDBG/HOME programs, in his current and past positions. He has prepared numerous NEPA environmental reviews in the role of Responsible Entity. Mr. Bennett has valuable experience in facilitating meetings and community visioning around such topics as community comprehensive planning and community redevelopment.

Mr. Patrick O’Malia, Redevelopment Administrator, will help coordinate the grant. Mr. O’Malia won a national award for public-private partnerships and has experience managing Federal grants. He has extensive experience assisting local communities in navigating the process to apply for federal grants. He is skilled in economic development, finance, urban planning, public sector outreach, and marketing. Should Mr. Bennett become unable to serve as Project Director, Mr. O’Malia can immediately step in. In the unlikely event of staff turnover, the depth of the staff on the project team will allow for a seamless transition to other experienced members.

5.b. Audit Findings: The City of Zanesville, lead member of the ZMCC has had no adverse audit findings with management of Federal, State, or local grants.

5.c.i/ii/iii.1 and 2.. Past Performance and Accomplishments: The City of Zanesville (and the other coalition members) has not been a previous recipient of a USEPA Brownfields Grant. Zanesville, the Coalition’s lead member, has extensive experience managing federal and non-federal assistance agreements. Recent examples are listed below:

Grant	Amount	Purpose	Outcome	Measurement Success
Department of Justice – Local Law Enforcement Block Grants	\$164,497	Purchase of police cars, computers, and communication devices	Purchased police cars, computers, and communication devices	Increased safety and more efficient communication between law enforcement
FEMA – Assistance to Firefighters Grant	\$856,894	Purchase of fire truck, ambulance, and SCBAs	Purchased fire truck, ambulance, and SCBAs	Increased safety of residents
Federal Aviation Administration Grant	\$3,309,928	Airport Improvements	Relocated taxiway, apron rehab, installed lights/markers	Improved Airport Safety
Ohio Department of Transportation Grants	\$1,157,707	Transportation Improvement Projects	Repaved 146/60 Connector, Pine Street, Military Road Bridge, and State Street Bridge	Successfully repaired several problem areas on local streets/bridges

Zanesville complied with funds disbursement requirements, financial tracking, reporting requirements, submitting technical documents, documenting project progress, and auditing requirements for the listed grants. Zanesville, along with the other Coalition members, has the procedural knowledge to successfully disburse Assessment Grant funds and track Assessment Grant expenditures.

References: **1.** Ohio County Profiles, Ohio Office of Research. **3.** The U.S. Bureau of Economic Analysis, 2011. **4.** Zanesville-Muskingum County Port Authority, October 2015. **5.** The Monthly, December 2008. **6.** Principles adopted by the partnership between the USEPA, United States Department of Transportation, and United States Department of Housing and Urban Development to promote smart growth. **7a.** Local city directories and Sanborn maps. **7b.** USEPA EJ SCREEN Enviromapper. **8.** 2015 County health rankings issued by the Robert Woods Foundation. **9.** Ohio Cancer Incidence Surveillance System, 2015. **10.** Ohio Department of Health, Death Statistics, 2010. **11.** Picture of Health for Muskingum County Residents, 2014. **12.** Center for Disease Control and Prevention, Behavioral Risk Factor Surveillance System 2010. **13.** Ohio Family Health Survey, 2008. **14.** Ohio Dept. of Health Warehouse, 2005. **15.** USDA, Food Access Research Atlas. **16.** USEPA, 2003. **17.** The Ohio State University Extension, Water Resources of Muskingum County. **18.** U.S. Gazetteer Files 2010, U.S. Census Bureau. **19.** American Community Survey, 2009-2013 estimates. **20.** Zillow.com. **21.** Ohio Department of Taxation, State and Local Government Funds, CY2006 & CY2014. **22.** Interview with Kroger Company Construction Manager.

APPENDICES

- APPENDIX A THRESHOLD ELIGIBILITY DETERMINATION**
- APPENDIX B LETTER FROM STATE ENVIRONMENTAL AUTHORITY**
- APPENDIX C LETTERS OF COMMITMENT FROM COMMUNITY ORGANIZATIONS**
- APPENDIX D LEVERAGED FUNDS COMMITMENT**
- APPENDIX E PETROLEUM ELIGIBILITY DETERMINATION**
- APPENDIX F LETTERS OF COMMITMENT FROM ASSESSMENT COALITION MEMBERS**

APPENDIX A
THRESHOLD ELIGIBILITY DETERMINATION

THRESHOLD CRITERIA

FY 2016 U.S. EPA BROWNFIELDS HAZARDOUS SUBSTANCES AND PETROLEUM ASSESSMENT GRANT APPLICATION

Submitted By: City of Zanesville, Ohio; Muskingum County, Ohio; and Zanesville-Muskingum County Port Authority

THRESHOLD CRITERIA

- 1. Applicant Eligibility:** The City of Zanesville (grant applicant and lead Coalition member) is a general purpose unit of local government in the State of Ohio. The remaining Coalition members, Muskingum County and the Zanesville-Muskingum County Port Authority, are also governmental/quasi-governmental agencies in the State of Ohio. A Memorandum of Understanding is included in Appendix A and letters of commitment from Coalition members are included in Appendix F.
- 2. Letter from the State or Tribal Environmental Authority:** Letters from the Ohio EPA and the Division of State Fire Marshall Bureau of Underground Storage Tank Regulations (BUSTR) are included in Appendix B and E, respectively.
- 3. Community Involvement:** The ZMCC understand the importance of community involvement in planning. During formation of the City of Zanesville's (lead member) and Muskingum County's Comprehensive Plans, feedback from citizens and community leaders guided the plans development. Following notice of an Assessment Grant award, the ZMCC will announce the award and the availability of the draft Work Plan to the community through a press release to the local newspaper (Zanesville Times Recorder) and by posting a notice on the Coalition members' websites. ZMCC will place advertisements on local area radio stations (WOUZ 90.1, WJIC 91.7, WHIZ92.7, 1240AM) and on public access television to reach members of the community at every educational level and those without internet service, and send written or electronic notices to local business leaders (bankers, real estate brokers, developers). ZMCC will establish a Facebook page, LinkedIn group, and Twitter handle for the grant, which will allow the community to interact with ZMCC during the entire project. ZMCC will include instructions on how to reach these internet forums in the initial press release. Hard copies of the draft Work Plan will be made available at the ZMCC members' offices and local public libraries for access by those without computer access. The public will be able to provide comments verbally to ZMCC staff, electronically on Facebook/LinkedIn/Twitter, and in writing by email or letters to the City of Zanesville. The comments will be discussed during a public meeting hosted by the ZMCC. The draft Work Plan will be modified in response to relevant comments. To ensure the targeted communities are engaged, the project team will canvass target neighborhoods with the meeting announcements and risk awareness educational materials. Kick-off meetings will be broadcast via webinar for citizens who cannot attend. Meeting materials/minutes will be posted on Facebook, LinkedIn, Twitter, and ZMCC members' websites with hard copies available at locations described above. ZMCC will present the reasoning for site selection at public meetings and solicit feedback. ZMCC will use community comments and project viability as metrics to access grant funds.

Following Work Plan approval, the ZMCC will schedule a public kick-off meeting to acquaint the community with the project and its goals. The public will be asked to identify brownfields they feel are impacting community health and welfare, which will be added to the inventory. After completing an assessment, information will flow outward to the community, notifying local stakeholders of results, and explaining health and environmental impacts. Assessment results will be posted on ZMCC members' websites, Facebook, LinkedIn, and Twitter, with hard copies available as previously described. If health threats are identified, written notices will be sent to impacted citizens and the ZMCHD will be contacted. When cleanup and/or redevelopment planning is initiated, explanations of plans and solicitation of comments

on those plans, will be implemented. The project team will hold open public monthly meetings in the micro-communities where assessments are being conducted for stakeholders to solicit feedback on the assessment grant findings and ways to promote and improve project outcomes. Monthly updates will be provided at public county/town meetings and the project team will attend community organization meetings to discuss projects results. At project close, ZMCC will hold a final public meeting to discuss the project outcomes.

4. **Site Eligibility and Property Ownership Eligibility:** This application is for a community-wide Coalition Brownfields Assessment Grant. Consequently, site eligibility and property ownership eligibility criteria are not applicable.

Zanesville-Muskingum County Coalition
BROWNFIELDS ASSESSMENT COALITON

MEMORANDUM OF AGREEMENT BETWEEN THE FOLLOWING PARTIES: City of Zanesville, Zanesville-Muskingum County Port Authority, AND Muskingum County.

THIS COOPERATIVE AGREEMENT ("Cooperative Agreement") is made by and among the CITY OF ZANESVILLE OHIO ("Zanesville"); MUSKINGUM COUNTY, OHIO, BY AND THROUGH ITS BOARD OF COMMISSIONERS ("Muskingum County"); and ZANESVILLLE-MUSKINGUM COUNTY PORT AUTHORITY ("ZMCPA") [all parties hereafter referred to as "Coalition Partners"].

Muskingum County and ZMCPA herein agree to contract with Zanesville to administer this Cooperative Agreement. In consideration of the mutual promises and covenants contained in this Agreement, the Coalition Partners hereby agree as follows:

I. PURPOSE

The Coalition Partners are desirous of applying and receiving funding from the Environmental Protection Agency ("EPA") for Brownfield Assessment activities. The purpose of this Cooperative Agreement is to define the roles and responsibilities of the Coalition Partners in a Brownfields Assessment Coalition to be known as the Zanesville-Muskingum County Coalition ("the Coalition") in order to carry out the activities outlined in the EPA application for the funding of Brownfield Assessment activities and subsequent grant agreement documentation.

II. SCOPE OF ACTIVITIES

Activities funded through the Cooperative Agreement may include inventory preparation, site selection criteria development, assessments, planning (including cleanup planning) relating to brownfield sites, and outreach materials and implementation, and other eligible activities. Zanesville may retain consultant(s) and contractors to undertake various activities funded through the Cooperative Agreement.

III. RESPONSIBILITIES OF ZANESVILLE

Zanesville shall serve as the Lead Coalition Partner of the Coalition. In that capacity, Zanesville shall have the following responsibilities:

1. To manage and administer this Cooperative Agreement;
2. To Prepare grant applications to EPA and other such agencies on behalf of the Coalition;
3. To procure the consultant(s) in compliance with Ohio State Statutes; to issue Request for Proposals or Request for Qualifications; to oversee receipt of the submitted proposals and selection and award of contracts; and to negotiate the terms of agreements in consultation with Muskingum County and ZMCPA;

4. To develop a site selection process based on agreed upon factors that will ensure that a minimum of 10 sites (minimum of 4 sites outside Zanesville city limits) are assessed over the life of the Cooperative Agreement with an anticipated 19 Phase I sites, 16 Phase II sites and 4 clean-up site plans be requesting funding from EPA, and to submit the same to EPA for prior approval to ensure eligibility;
5. Upon designation of the specific sites, to work with Muskingum County and ZMCPA if the geographic area the site is outside Zanesville city limits, to finalize the scope of work for the consultant or contractor;
6. To insure that other activities as negotiated in the work plan, such as community outreach and involvement, are implemented in accordance with a schedule agreed upon by Zanesville, and if outside Zanesville City Limits, Muskingum County and ZMCPA;
7. To maintain compliance with the statutes, regulations, and terms and conditions of any grants received by the Coalition;
8. To provide for the general administration of grants received by the Coalition;
9. To Maintain compliance by Muskingum County and ZMCPA with the terms and conditions of this Cooperative Agreement;
10. To provide timely information to Muskingum County and ZMCPA regarding the management of the Cooperative Agreement and any changes that may be made to the Cooperative Agreement over the period of performance; and
11. Any other responsibilities that from time to time the Coalition Partners shall determine to be necessary and proper to accomplish the purposes of the Cooperative Agreement.

IV. RESPONSIBILITIES OF MUSKINGUM COUNTY and ZMCPA

Muskingum County and ZMCPA will each have the following responsibilities:

1. To appoint one (1) member to represent their interest in the Coalition;
2. To provide timely information to Zanesville as may be requested in performing its duties under this Cooperative Agreement;
3. To participate fully in the brownfields assessment process;
4. To obtain all required permits, easements, and/or access agreements as may be necessary to undertake assessments at the selected site; provided however, if Muskingum County nor ZMCPA has the capacity to perform these activities, Zanesville may assist in securing necessary site access agreements and permits;

5. To comply with all requirements set forth in any grant agreements that may be entered into by the Coalition Partners, including an accounting of expenditures of grant funds made by each Muskingum County and ZMCPA; and
6. To comply with any other requests that may be made by Zanesville from time to time in performing its duties under this Cooperative Agreement.

V. FUNDING

The City of Zanesville agrees that any compensation for professional services shall be paid as provided under the terms of any grants received by the Coalition.

VI. NOTICES

Any notices required to be given under this Agreement shall be given to the Coalition Partners as follows:

For City of Zanesville:

Jay Bennett, Director of Community Development Department
401 Market Street
Zanesville, OH 43701
740-455-0601 ext. 101
jay.bennett@coz.org

For Muskingum County:

James W. Porter, President of the Muskingum County Commissioners
401 Main Street
Zanesville, OH 43701
740-455-7100
jwporter@muskingumcounty.org

For ZMCPA:

Matt Abbott, Executive Director
205 North Fifth Street
Zanesville, OH 43701
740-455-0742
matt@zmcport.com

VII. EXECUTION IN COUNTERPARTS

This Cooperative Agreement may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such counterparts shall together constitute but one in the same instrument.

VIII. EFFECTIVE DATE

The Effective Date of this Agreement shall be the date the last Coalition Partner representative executed the agreement.

IX. ASSIGNMENT

This Agreement may not be assigned unless by the written mutual consent of all Coalition Partners.

X. SEVERABILITY

If any section, phrase, sentence or portion of this Agreement is, for any reason, held to be invalid by any court of competent jurisdiction, such portion shall be deemed as a separate, distinct, and independent provision, and such holding shall not affect the validity of the remaining portions hereof.

XI. SUCCESSORS

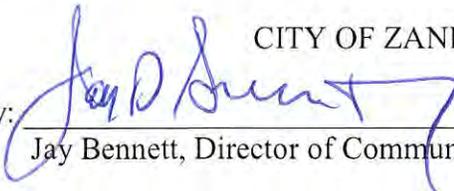
This Cooperative Agreement shall also be binding upon and the benefits of this Agreement shall inure to all successors of the Coalition Partners.

XII. WITHDRAWAL OF PARTICIPATION

In the event any Coalition Partner desires to withdraw its participation, the Coalition Partner shall give a minimum of Sixty (60) days prior written notice to the other Coalition Partners if its intention to discontinue its participation in the Coalition; provided, however, such action shall not relieve such Coalition Partner from any obligations it may have incurred prior to the date of the notice, including any obligations arising from its receipt of grant funds.

IN WITNESS WHEREOF the parties hereto have set their hands and seals on the dated noted below.

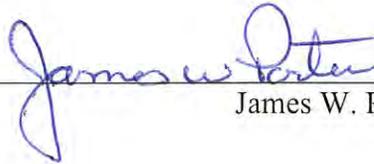
APPROVED this 24 day of November, 2015.

By:  CITY OF ZANESVILLE, OHIO
Jay Bennett, Director of Community Development

By:  Jeff Tilton, Mayor

APPROVED this 19th day of November, 2015.

BOARD OF COMMISSIONERS OF MUSKINGUM
COUNTY, OHIO

By: 
James W. Porter, President

By: 
Jerry L. Lavy

APPROVED this 24 day of November, 2015.

ZANESVILLE-MUSKINGUM COUNTY PORT
AUTHORITY

By: 
Matt Abbott, Executive Director

APPENDIX B
LETTER FROM STATE ENVIRONMENTAL AUTHORITY



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

November 12, 2015

U.S. Environmental Protection Agency, Region 5
ATTN: Matthew Didier
77 West Jackson Blvd., Mail Code SE-7J
Chicago, IL 60604-3507

RE: Zanesville-Muskingum County Coalition Community Wide Assessment Grant Proposal

Dear Mr. Didier:

I am pleased to offer Ohio EPA's support for the Zanesville-Muskingum County Coalition (ZMCC) Community Wide Assessment Grant Proposal. The coalition, consisting of the City of Zanesville, Muskingum County, and the Zanesville-Muskingum County Port Authority, is applying for a community wide assessment grant totaling \$600,000. We have worked with Ohio's brownfields in the past and hope to be able to provide support to the Zanesville-Muskingum County Coalition under the Assessment, Cleanup and Revolving Loan Fund Grant program established by the Small Business Liability Relief and Brownfield Revitalization Act (P.L. 107-118).

The funding the Zanesville-Muskingum County Coalition is requesting under their community wide assessment grant proposal will be used to complete Phase I and Phase II assessments at multiple priority sites located in low-income target communities. Specifically, this grant will help sustain, clean up, and restore neighborhoods and the ecological systems that support them by providing funds to assess brownfield sites. If awarded, this grant would provide a major opportunity for the Coalition to continue revitalization of the blighted areas in the targeted communities and create new job opportunities for residents of these areas.

We look forward to working with the Zanesville-Muskingum County Coalition and U.S. EPA on this project. If you have any questions, please do not hesitate to contact me at 614-644-2285.

Sincerely,

A handwritten signature in black ink that reads "Amy Yersavich". The signature is written in a cursive, flowing style.

Amy Yersavich, Manager
Ohio Environmental Protection Agency
Site Assistance and Brownfield Revitalization

cc: Jay Bennett, Community Development Director, City of Zanesville
John Rochotte, Ohio EPA, DERR/SEDO

APPENDIX C
LETTERS OF COMMITMENT FROM COMMUNITY ORGANIZATIONS



225 Underwood Street
Zanesville, OH 43701

740-454-0144 Phone
740-454-0154 Fax

muskingum.osu.edu

November 16, 2015

Mr. Jay Bennett
City of Zanesville
401 East Market Street
Zanesville, OH 43701

RE: Letter of Commitment for U.S. EPA Brownfields Assessment Grant
U.S. EPA Brownfields Assessment Grant Project
ZMC Coalition

Dear Mr. Bennett,

Please accept this letter in support of the Zanesville Muskingum County (ZMC) Coalition's application for a U.S. EPA Brownfield Assessment Grant. The *mission* of Ohio State University Extension is to engage people to strengthen their lives and communities through research-based educational programming. The *vision* of OSU Extension is to be a dynamic educational entity that partners with individuals, families, communities, business and industry, and organizations to strengthen the lives of Ohioans.

We will be a partner with the ZMC Coalition in promoting the goals of identifying, assessing, and cleaning brownfield sites. Specifically, we are a resource to educate the community about water quality and ecological health. Our Agricultural and Natural Resources programming educates and involves citizens in protecting their local water resources.

OSU Extension works to enhance and sustain the environment and quality of place in Ohio, helping to attract human capital and new ventures. The Muskingum County OSU Extension office is tasked with extending the resources of OSU to our local community. We look forward to partnering with the City to improve human and environmental health.

Sincerely,

Clifton Martin
OSU Extension Educator
Agriculture and Natural Resources

Chris Penrose,
OSU Extension County Director



November 2, 2015

Mr. Jay Bennett
City of Zanesville
401 East Market Street
Zanesville, OH 43701

RE: Letter of Commitment for U.S. EPA Brownfields Assessment Grant
U.S. EPA Brownfields Assessment Grant Project

Dear Mr. Bennett,

On behalf of Zane State College, we are pleased to provide this letter in support of the USEPA Brownfields Assessment Grant application for the Zanesville Muskingum County Coalition. This grant will enable the coalition to address important issues that will benefit the community in the areas of economic development and environmental health.

Zane State College has been a community partner and educational resource to the City and County since 1969. We play a key role in the area economy as we work with economic development partners as well as business and industry to ensure that a skilled and professionally trained workforce is available to meet community employment needs. We collaborate with countless organizations and individuals to design and deliver training programs that lead to jobs for our area residents.

During the course of the Assessment Grant, Zane State College will work with local entities to develop and implement training programs to prepare environmental technician workers. Programs for development include environmental sampling and assessment techniques and health and safety training. Training programs will be designed to provide skilled workers who are prepared to assist with assessment activities in support of the Coalition's Brownfields Assessment Grant. Our students in the Environmental Site Assessment course will also attempt to work with the Coalition to help in the Phase I assessments. In the past, students from Zane State College have helped with the assessment of the National Plumbing Pottery brownfield site, and the assessment and sampling of soils at the Mitzel Building owned by private individuals.

Should you have any questions, or need additional information please do not hesitate to contact Elizabeth Kline, faculty for the program at 740.588.4116 or ekline@zanestate.edu.

Sincerely,

A handwritten signature in black ink, appearing to read 'Chad M. Brown'.

Chad M. Brown, Ph.D.
President
Zane State College

A handwritten signature in black ink, appearing to read 'Elizabeth Kline'.

Elizabeth Kline, MS, CHMM
Assistant Professor, Environmental
Technologies

PIONEER AND HISTORICAL SOCIETY

of Muskingum County

115 Jefferson St. • Zanesville, OH 43701



November 13, 2015

City of Zanesville
C/O: Mr. Jay Bennett, Community Development Director
401 East Market Street
Zanesville, OH 43701

RE: Letter of Commitment for U.S. EPA Brownfields Assessment Grant

Dear Mr. Bennett:

On behalf of trustees and members of Muskingum County's Pioneer and Historical Society, I have written this letter to express our support for the Zanesville-Muskingum County Coalition's application for a U.S. Environmental Protection Agency Community Wide Brownfields Assessment grant. Our organization serves all of Muskingum County as the primary advocate for local history. We believe that an understanding and appreciation of our historic heritage is essential to maintaining a unique and meaningful identity as a community.

We will participate in the assessment grant by providing support, community organizing and outreach, and other in-kind activities requested by the Coalition determined to be appropriate by our organization. We understand that by the EPA providing funds to inventory, characterize, and assess brownfield sites within the City of Zanesville and Muskingum County, the grant will sustain progress toward a healthier community and natural environment. There are properties near our two museums in Zanesville's Putnam Historic District that are likely brownfield sites that would be impacted by this grant. Eliminating brownfield sites will positively impact historic properties and communities throughout the city and county by making investment in these areas more attractive.

We are excited about the possibilities a Brownfields Assessment Grant holds for the future of our residents, making our community economically strong and environmentally safe.

Sincerely,

James Geyer, Director
Pioneer and Historical Society of Muskingum County
740-454-9500
phsomc@sbcglobal.net



The Zanesville Community Of Voices

PO Box 3494, Zanesville, Ohio 43702

740-229-ZCOV (9268)

[Http://www.zcov.org](http://www.zcov.org)

Affiliated with and covered under MBRN of Southeastern Ohio - 501(C)3: 31-1604409

My name is Susan Jones and I am the Recording Secretary of The Zanesville of Community of Voices. I am writing to extend the support of our organization to Zanesville City Hall and the Muskingum County Commissioners in their endeavors to apply for a federal grant to improve our community.

The Zanesville Community of Voices has done numerous projects to help improve the community. We offer summer camps, basketball tournaments, and we partnership with the two community gardens in the area in which we teach the youth of the community to plant and prepare their own food during the summer camps. With the help of these grants some of the abandoned and dilapidated buildings in the area could be utilized to expand our efforts to continue to give the youth of the community positive influences and activities for their futures. We have also worked with the Department of Transportation to organize groups to clean garbage off the streets and in neighborhoods.

Please feel free to contact me or anyone at The Zanesville Community of Voices for any further assistance needed. We would be more than happy to help work together to make our community an even more successful and productive place to live.

Sincerely,

Susan Jones, Recording Secretary
The Zanesville Community of Voices

The safety of this community rests in our hands, and in the voices of the citizens.

Visit us on Facebook: Zanesville Community of Voices

Email us: Info@ZCOV.org

Our Mission Statement: "...to lift people and communities so they can empower others educationally, socially, economically and spiritually."

Pure Arts Center

11-24-2015

522 Woodlawn ave, Zanesville ,Ohio 43701

City of Zanesville C/o: Mr. Jay Bennett, Community Development Director

401 East Market Street Zanesville ,OH 43701

RE: Letter of Commitment for U.S. EPA Brownfields Assessment Grant

Dear Mr. Bennett:

On behalf of the Pure Arts Center, I am writing this letter to express our support for the Zanesville- Muskingum County Coalition's application for a U.S. Environmental Protection Agency Community Wide Brownfields Assessments grant. Our organization represents residents, businesses and art organizations in Zanesville's downtown and Putnam Historic District.

We will participate in the assessment grant by providing support, community organizing and outreach, and other in-kind activities requested by the Coalition determined to be appropriate by our organization. We understand that by the EPA providing funds to inventory, characterize, and assess brownfield sites within the City of Zanesville and Muskingum County, the grant will sustain progress toward a healthier community and natural environment.

We are excited about the possibilities a Brownfields Assessment Grant holds for the future of our residents, making our community economically strong and environmentally safe.

Sincerely,



David P Mitzel, President

The Artist Colony of Zanesville (740) 221-2165



Eastside Community Ministry

• P. O. Box 965 • Zanesville, OH • 43702-0965 • Phone: (740) 452-7519

• Fax: (740) 455-9815 • E-mail: ecm@eastsideministry.org • www.eastsideministry.org

November 30, 2015

Mr. Jay Bennett
City of Zanesville
401 East Market Street
Zanesville, OH 43701

Dear Mr. Bennett:

On behalf of the Eastside Community Ministry, in support of the Zanesville Muskingum County Coalition's application for a U.S. Environmental Protection Agency hazardous substances and petroleum assessment grant, we wish to express our agreement and offer assistance. Our staff, board members, and volunteers, are firmly behind making the area a better place to live and work.

The blighted areas left behind by our industrial history have diminished the community in certain regards and we understand the need to redevelop abandoned brownfield sites within the County. We encourage the U.S. Environmental Protection Agency to give serious consideration to the Coalition's application for an assessment grant and provide whatever assistance it can provide to the community's residents and businesses.

Sincerely,

A handwritten signature in cursive script that reads 'Jamie Trout'.

Jamie Trout
Executive Director

Creating a Better Community by Serving Neighbors in Need Since 1958





MUSKINGUM ECONOMIC OPPORTUNITY ACTION GROUP, INC
MUSKINGUM COUNTY COMMUNITY ACTION AGENCY
828 LEE STREET
ZANESVILLE, OHIO 43701
PHONE (740) 453-5703
FAX (740) 454-3717

Nancy L. Pierce, C.E.O.

Gretchen Sayre, Board President

November 13, 2015

City of Zanesville
401 Market Street
Zanesville, OH 43701

Attn: Mr. Jay Bennett

Dear Mr. Bennett:

On behalf of The Muskingum Economic Opportunity Action Group, (The Muskingum County Community Action Agency).I have written this letter to express our support for the Zanesville-Muskingum County Coalition's application for a U.S. Environmental Protection Agency Community Wide Brownfields Assessment grant. Our organization assists residents in Zanesville and all of Muskingum County.

We will participate in the assessment grant by providing support, community organizing and outreach, and other in-kind activities requested by the Coalition determined to be appropriate by our organization. We understand that by the EPA providing funds to inventory, characterize, and assess brownfield sites within the City of Zanesville and Muskingum County, the grant will sustain progress toward a healthier community and natural environment.

We are excited about the possibilities a Brownfields Assessment Grant holds for the future of our residents, making our community economically strong and environmentally safe.

Sincerely,

A handwritten signature in blue ink that reads "Nancy L. Pierce".

Nancy L. Pierce, CEO
M.E.O.A.G., Inc.



Our Mission

To promote, protect & improve public health in Muskingum County.

Public Health

Prevent. Promote. Protect.

Zanesville-Muskingum County

November 16, 2015

City of Zanesville
Mr. Jay Bennett
401 East Market Street
Zanesville, OH 43701

RE: Letter of Commitment for U.S. EPA Brownfields Assessment Grant
FY2016 U.S.EPA Brownfields Assessment Grants
Zanesville Muskingum County Coalition

Dear Mr. Bennett:

The Zanesville-Muskingum County Health Department (ZMCHD) is pleased to support the Zanesville Muskingum County Coalition's Brownfield application for a U.S. EPA Brownfield Coalition Assessment Grant. The ZMCHD is committed to improving the safety and health of our community. Our mission is to promote, protect & improve public health in Muskingum County and this project directly supports this mission.

This assessment grant is a great start down the path of reinvestment and improving the quality of life in our communities. Environmental assessments are necessary to identify contaminated sites and begin the cleanup planning process. This will not only eliminate public safety hazards, but will also improve the health of people and the environment.

ZMCHD will be a partner with the Coalition in promoting the goals of identifying, assessing and cleaning Brownfield sites within Muskingum County. Additionally, we will help with public engagement through our website and other public health outreach we conduct.

Sincerely,

Corey Hamilton, M.S., R.D., L.D.
Health Commissioner

Health Department
205 N. 7th Street
Zanesville, OH 43701

Ph: 740-454-9741
Fax: 740-455-6726
www.zmchd.org

Board of Health
Jennifer Agin
Bill Bird
James Brown
Paul Nestor
Lee Roach
Thomas Ruggles, MD
James Shepherd



November 17, 2015

City of Zanesville
Attn: Mr. Jay Bennett, Community Development Director
401 East Market Street
Zanesville, OH 43701

RE: Letter of Commitment for U.S. EPA Brownfields Assessment Grant

Dear Mr. Bennett:

On behalf of the Muskingum County Convention Facilities Authority, I have written this letter to express our support for the Zanesville-Muskingum County Coalition's application for U.S. Environmental Protection Agency Community Wide Brownfields Assessment grant. Our organization represents residents and businesses in the Muskingum County Area.

We will participate in the assessment grant by providing support, community organizing and outreach, and other in-kind activities, other than financial, requested by the Coalition determined to be appropriate by our organization. We understand that by the EPA providing funds to inventory, characterize, and assess brownfield sites within the City of Zanesville and Muskingum County, the grant will sustain progress toward a healthier community and natural environment.

We are excited about the possibilities a Brownfields Assessment Grant holds for the future of our residents, making our community economically strong and environmentally safe.

Sincerely,

Mr. Scott Kennedy, Chairman of the Board
Muskingum County Convention Facilities Authority

MUSKINGUM RIVERWAYS ADVOCACY COUNCIL

2725 Pinkerton Rd, Zanesville, Ohio 43701

November 16, 2015

Mr. Jay Bennett
City of Zanesville
401 East Market Street
Zanesville, OH 43701

RE: Letter of support for U.S. EPA Brownfields Assessment Grant
U.S. EPA Brownfields Assessment Grant Project
ZMC Coalition

Dear Mr. Bennett:

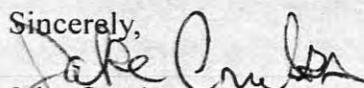
The Muskingum Riverways Advocacy Council is pleased to offer our support and gratitude to the ZMC Coalition for the purpose of implementation of a U.S. EPA Brownfields Assessment Grant.

MRAC's mission statement, *"To monitor, preserve, protect and promote the economic, historic and recreational assets of the Muskingum River."*

With the ZMC Coalition grant intent mirroring the mission statement of MRAC, MRAC strongly supports the ZMC Coalition's application for the grant as we understand the damage that is being done to our sensitive ecosystems from past industrial practices.

The Brownfield Assessment Grant Project will be a welcome asset to the area rivers and tributaries. ZMC Coalition is passionate about conservation efforts of wetlands, streams, wildlife and parks and active in teaching outdoor ethics and promoting responsible outdoor recreation. MRAC's role in the grant project will be to assist the Coalition in public outreach and risk-awareness education program to our members and other groups committed to environmental stewardship, assist the Coalition in identifying sites that we believe might be impacting the river ecosystems and resource stewardship and provide input into brownfield redevelopment projects within the ZMC Coalition area to ensure new projects are protective of our sensitive ecosystems.

Sincerely,



Jake Creeks,
MRAC President
mracohio@gmail.com
cell # 740-297-5849

Muskingum County Fair

Southeastern Ohio's Blue Ribbon Fair



DOUG GUINSLER, Secretary
P. O. Box 2176
Zanesville, OH 43702-2176
740-453-3068

November 17, 2015

City of Zanesville
C/O: Mr. Jay Bennett, Community Development Director
401 East Market Street
Zanesville, OH 43701

RE: Letter of Commitment for U.S. EPA Brownfields Assessment Grant

Dear Mr. Bennett:

On behalf of the Muskingum County Agricultural Society Board (Fair Board), I have written this letter to express our support for the Zanesville-Muskingum County Coalition's application for a U.S. Environmental Protection Agency Community Wide Brownfields Assessment grant.

We will participate in the assessment grant by providing support, community organization and outreach, and other in-kind activities requested by the Coalition determined to be appropriate by our organization. We understand that by the EPA providing funds to inventory, characterize, and assess brownfield sites within the City of Zanesville and Muskingum County, the grant will sustain progress toward a healthier community and natural environment.

We are excited about the possibilities a Brownfields Assessment Grant holds for the future of our residents, making our community economically strong and environmentally safe.

Sincerely,

A handwritten signature in cursive script that reads "William Agin".

William Agin
Vice President
Muskingum Co. Fair Board



November 19, 2015

Mr. Jay Bennett
City of Zanesville
401 East Market Street
Zanesville, OH 43701

RE: Letter of Support for U.S. EPA Brownfields Assessment Grants

Dear Mr. Bennett:

The Muskingum County Land Reutilization Corporation is pleased to support your application for the FY2016 U.S. Environmental Protection Agency (U.S. EPA) Brownfields Assessment Grants to assess and promote redevelopment of brownfield sites in the Zanesville – Muskingum County area, which includes our micro community.

Muskingum County and the City of Zanesville face significant challenges as the result of vacant and abandoned former commercial, manufacturing and industrial properties and we are excited this grant will provide funding to begin the process of putting these properties back into use and provide new opportunities for our citizens.

The mission of the MCLRC is to return land and vacant and abandoned properties to a productive use; reduce blight, increase property values, support local land use goals, and improve the quality of life for all county residents.

The City of Zanesville has many of the same challenges to those of a larger city; however we could not support a grant program on our own. We are excited that redevelopment of brownfields can create new local jobs and revitalize our core downtown business districts and the risk-awareness educational program, along with redeveloping our vacant properties will improve the overall health of our citizens. We look forward to being an active partner throughout the grant period and the MCLRC will offer any assistance we can provide.

Sincerely,

A handwritten signature in blue ink, appearing to read 'T. Smith', is written over a light blue circular stamp.

Tim Smith
Chairman, MCLRC



11.3.15

City of Zanesville
c/o Mr. Jay Bennett
Community Development Director
410 East Market Street
Zanesville, OH 43701

RE: Letter of Commitment for the U.S. EPA Brownfields Assessment Grant

Dear Mr. Bennett:

The Muskingum County Library System supports and endorses the Zanesville-Muskingum County Coalition's application for a U.S. Environmental Protection Agency Community Wide Brownfields Assessment grant. Through our Main Library located in downtown Zanesville and our branch locations located in Dresden, Duncan Falls, New Concord Roseville, and South Zanesville, the Muskingum County Library System represents residents and businesses in the City of Zanesville and Muskingum County.

The library system will participate in the assessment grant by providing information and research, community organizing and outreach, and other in-kind activities requested by the Coalition as able. We understand that by the EPA providing funds to inventory, characterize, and assess brownfield sites within the City of Zanesville and Muskingum County, the grant will sustain progress toward a healthier community and natural environment.

We are enthusiastic about the possibilities a Brownfields Assessment Grant holds for the future of our residents, making our community economically strong and environmentally safe.

Regards,

Blair Tom
Assistant Director
Muskingum County Library System
blair@muskingumlibrary.org

November 23, 2015

Mr. Jay Bennett
City of Zanesville
401 East Market Street
Zanesville, OH 43701

Dear Mr. Bennett:

As the pastor of Brighton Presbyterian church, in support of the Zanesville Muskingum County Coalition's application for a U.S. Environmental Protection Agency hazardous substances and petroleum assessment grant, I wish to express my delight in your efforts and offer assistance. This church firmly supports this effort to make Brighton neighborhood a better place to live and work.

Brighton Presbyterian Church was established in 1895 and has been determined to continue to minister in this neighborhood through the collapse of the industry that was the heart of this area. As jobs disappeared and the large factories were deserted, this neighborhood has truly suffered. It is clear that the need to redevelop abandoned brownfield sites within the County, and within Brighton neighborhood particularly, is essential. I encourage the U.S. Environmental Protection Agency to give serious consideration to the Coalition's application for an assessment grant and provide whatever assistance it can provide to the community's residents and businesses.

Sincerely,

A handwritten signature in cursive script that reads "Rev. Susan Skinner". The signature is written in black ink and is positioned above the typed name and address.

Rev. Susan Skinner, Pastor
Brighton Presbyterian Church
771 Lexington Ave.
Zanesville, OH 43701

McIntire
Terrace
Association

Nationally Registered Historic District
Muskingum County
Zanesville, Ohio
43701

November 17, 2015

City of Zanesville
C/O: Mr. Jay Bennett, Community Development Director
401 East Market Street
Zanesville, OH 43701

RE: Letter of Commitment for U.S. EPA Brownfields Assessment Grant

Dear Mr. Bennett:

On behalf of McIntire Terrace Association, I have written this letter to express our support for the Zanesville-Muskingum County Coalition's application for a U.S. Environmental Protection Agency Community Wide Brownfields Assessment Grant. Our organization represents residents and businesses in the area primarily between McIntire and Adair Aves; Maple and Blue Aves, and is mostly a residential one.

We will participate in the assessment grant by providing support, community organizing and outreach, and other in-kind activities requested by the Coalition determined to be appropriate by our organization. We understand that by the EPA providing funds to inventory, characterize, and assess brownfield sites within the City of Zanesville and Muskingum County, the grant will sustain progress toward a healthier community and natural environment. There are some buildings, which were previously used for businesses, that have been vacated or converted to different types of businesses. These may or may not be a peril to the area. An assessment will help to determine if this is true and allow further action to be taken.

We are excited about the possibilities a Brownfields Assessment Grant holds for the future of our residents, making our community economically strong and environmentally safe.

Sincerely,

Gretchen Sayre, President
McIntire Terrace Association
Phone: 740-452-4502
912 Sunset Avenue
Zanesville OH 43701



Muskingum Valley Park District

1720 Euclid Avenue • Zanesville, OH 43701
740.455.8237 • mvpd@muskingumcounty.org

November 19, 2015

Mr. Jay Bennett
City of Zanesville
401 Market Street
Zanesville, Ohio 43701

RE: Letter of Support for U.S. EPA Brownfields Assessment Grant
U.S. EPA Brownfields Assessment Grant Project
ZMC Coalition

Please accept this letter in support of the Zanesville Muskingum County (ZMC) Coalition's application for a U.S. EPA Brownfield Assessment Grant. The Mission of the Muskingum Valley Park District is to improve the Quality of life in Muskingum County through education, conservation, and the utilization of green space.

As part of our mission, the Muskingum Valley Park District seeks to preserve and protect local water and other environmental resources for the enjoyment and use of generations to come. We support the ZMC Coalition in promoting the goals of identifying, assessing, and cleaning brownfield sites. We will assist with public engagement through our website, newsletter and other outreach we conduct. We fully support the City of Zanesville's U.S. EPA Brownfield Assessment Grant.

Sincerely,

A handwritten signature in black ink, appearing to read "B. D. Newton", is written over a horizontal line.

Brian D. Newton
President



MINORITY BUSINESS RESOURCE NETWORK OF SOUTHEASTERN OHIO

The Mission of the MBRN is to improve the quality of life for all minorities in Southeastern Ohio through Economic Growth.

PRESIDENT/CEO

ERNEST BYNUM, SR., FOUNDER

City of Zanesville
C/O: Mr. Jay Bennett, Community Development Director
401 East Market Street
Zanesville, OH 43701

RE: Letter of Commitment for U.S. EPA Brownfields Assessment Grant

Dear Mr. Bennett

On behalf of the Minority Business Resource Network, I have written this letter to express our support for the Zanesville-Muskingum County Coalition's application for a U.S. Environmental Protection Agency Community Wide Brownfields Assessment grant. Our organization represents residents and businesses in the Zanesville-Muskingum County area.

We will participate in the assessment grant by providing support, community organizing and outreach, and other in-kind activities requested by the Coalition determined to be appropriate by our organization. We understand that by the EPA providing funds to inventory, characterize, and assess brownfield sites within the City of Zanesville and Muskingum County, the grant will sustain progress toward a healthier community and natural environment. This development in areas that have been neglected for generations will have a major impact on our entire community.

We are excited about the possibilities a Brownfields Assessment Grant holds for the future of our residents, making our community economically strong and environmentally safe.

Sincerely,

Ernest Bynum 11/11/15
Ernest Bynum (Director of Economics)

Minority Business Resource Network

740-819-1317

ebynum43@yahoo.com



November 19, 2015

Mr. Jay Bennett
City of Zanesville
401 East Market Street
Zanesville, OH 43701

RE: Letter of Commitment for U.S. EPA Brownfields Assessment Grant
U.S. EPA Brownfields Assessment Grant Project
ZMC Coalition

Dear Mr. Bennett:

The Zanesville-Muskingum County Chamber of Commerce is pleased to support your application for a U.S. Environmental Protection Agency Brownfields Assessment Grant to assess and promote redevelopment of brownfield sites within the coalition between the City of Zanesville, Muskingum County and the Zanesville-Muskingum County Port Authority.

We provide a framework for business and professional volunteers working toward the improvement of the business climate and quality of life for the greater Zanesville area. The Chamber of Commerce's role in the Assessment Grant project will consist of hosting community economic development forums, advertising the grant program, and helping entrepreneurs in accessing and utilizing the grant funds.

The Zanesville-Muskingum County Chamber of Commerce is committed to improving regional economic conditions, and will provide its resources to support the Coalition's brownfield redevelopment efforts.

Sincerely,

A handwritten signature in black ink that reads "Thomas C. Poorman".

Thomas C. Poorman
President
Zanesville-Muskingum County Chamber of Commerce



Muskingum Soil and Water Conservation District
226 Underwood Street, Suite 100
Zanesville, Ohio 43701-3784
Phone (740) 454-2027 Fax (740) 454-1451
www.muskingumswcd.org

November 19, 2015

Mr. Jay Bennett
City of Zanesville
401 East Market Street
Zanesville, Ohio 43701

RE: Letter of Support for U.S. EPA Brownfields Assessment Grant
U.S. EPA Brownfields Assessment Grant Project
AMC Coalition

Dear Mr. Bennett:

We are pleased to convey our support of the Zanesville Muskingum County (ZMC) Coalition application for a U.S. EPA Brownfields Assessment Grant. This project will provide funding for the assessment of several brownfield areas of Zanesville and Muskingum County, hopefully leading to clean-up and reuse of these sites in the future.

The mission of the Muskingum Soil and Water Conservation District (MSWCD) is to provide leadership and assistance for the conservation and enhancement of our natural resources and environment. Redevelopment of brownfields is one of the best ways to accomplish this, thus reducing development pressure on working lands and green spaces that we work to conserve.

The MSWCD currently works with the City of Zanesville by providing the educational component of their NPDES permit. We provide non-point source pollution and water quality programs to both youth and adults throughout the city. Our Education Specialist offers hands-on water quality monitoring events for students from several middle schools. We will continue to support the City's efforts to protect and improve the area's water quality.

Our office can provide education in the areas of water quality, non-point source pollution, soil quality, and soil survey use; technical assistance in the implementation of Best Management Practices for disturbed soils; and copies of historical aerial photographs, should they be needed for this project.

Our environment, economy, and residents will benefit with these brownfield properties being evaluated, cleaned up and reutilized. We believe this would be an optimal use of brownfield assessment funds and fully support the Zanesville Muskingum County Coalition in this application.

Sincerely,

A handwritten signature in cursive script that reads "Lisa Crook".

Lisa Crook
District Administrator



Muskingum County Community Foundation

534 Putnam Ave • Zanesville, OH 43701

Tel (740) 453-5192 • Fax (740) 453-5734

www.mccf.org • giving@mccf.org

Confirmed in Compliance with National Standards
for US Community Foundations



November 2, 2015

City of Zanesville

C/O: Mr. Jay Bennett, Community Development Director

401 East Market Street

Zanesville, OH 43701

RE: Letter of Commitment for U.S. EPA Brownfields Assessment Grant

Dear Mr. Bennett:

On behalf of Muskingum County Community Foundation I have written this letter to express our support for the Zanesville-Muskingum County Coalition's application for a U.S. Environmental Protection Agency Community Wide Brownfields Assessment grant.

We will participate in the assessment grant by providing support, community organizing and outreach, and other in-kind activities requested by the Coalition determined to be appropriate by our organization. We understand that by the EPA providing funds to inventory, characterize, and assess brownfield sites within the City of Zanesville and Muskingum County, the grant will sustain progress toward a healthier community and natural environment. A cleaner, healthier Muskingum County is a goal the foundation supports as well returning land into useful asset for development.

We are excited about the possibilities a Brownfields Assessment Grant holds for the future of our residents, making our community economically strong and environmentally safe.

Sincerely,

Brian Wagner

Chief Executive Officer

Muskingum County Community Foundation

bwagner@mccf.org

740.453.5192



Patrick O'Malia, MPA
Redevelopment Administrator
City of Zanesville
401 East Market Street
Zanesville, Ohio 43701

September 10, 2015

Dear Mr. O'Malia:

As a follow-up to our recent meeting, I am pleased to extend the offer to perform environmental services in the form of a Phase I Environmental Site Assessment (ESA) to property owners and the City of Zanesville free of charge as part of our Environmental Science, Safety, and Health degree program.

A Phase I ESA is utilized by commercial property owners, banks, and other interested parties to evaluate environmental risk associated with a real estate transaction. It includes an evaluation of current site conditions, determination of historical property use, and review of regulatory files and databases performed to the standard (ASTM E1527-13). The ESA begins with the assessor visiting the property and performing a walk-through taking photographs documenting site conditions and potential environmental concerns. It may or may not include minor testing such as asbestos, lead, or radon testing as determined by the Client's scope of work. Of note, testing is outside the scope of ASTM E1527-13. In addition, the assessor will research the history of the property back to 1940 or vacant land, whichever is earlier, in five year intervals to evaluate potential historical uses of environmental concern or risk. Finally, a regulatory database review is performed as well as review of regulatory files and interviews with persons familiar with the property, including regulatory officials. The regulatory database review is procured from Environmental Data Resources and includes a review of federal, state, and local environmental databases. After the data is collected and evaluated, a written report is generated detailing the findings and conclusions as well as recommendations for additional investigation when appropriate.

As part of the capstone course in the Environmental Science, Safety, and Health program, the students learn to perform an ESA on a commercial property, which allows them to incorporate all of the skills they have learned in their courses. The ESA is completed under the supervision of an Environmental Professional as defined by ASTM E1527-13 and can be used in a real estate transaction if the Client so chooses. Of importance, the ESA is not a binding regulatory document and may not suffice the requirements of assessment under federal or state environmental programs, such as the Ohio Voluntary Action Program. The students benefit from the process as it serves as the culmination of their academic program and prepares them for the workforce. The Client benefits as the ESA is free (over a \$2000 value) and can serve as a preliminary indication of environmental issues that may be encountered as part of a real estate transaction. Students sign a liability release as part of the process, protecting the Client and the College should an injury occur during the field activities and report preparation.

Please let me know if you or any property owners have an interest in this service. I look forward to working with you and developing a partnership between the City and the College!

Sincerely,

A handwritten signature in black ink, appearing to read 'Elizabeth Kline'.

Elizabeth Kline, MS, CHMM
Instructor, Biology and Environmental Technologies
740.588.4116
ekline@zanestate.edu



November 9, 2015

City of Zanesville
Attn: Mr. Jay Bennett, Community Development Director
401 Market Street
Zanesville, OH 43701

RE: Letter of Commitment for U.S. EPA Brownfields Assessment Grant

Dear Mr. Bennett:

On behalf of the United Way of Muskingum, Perry and Morgan Counties, I have written this letter to express our support for the Zanesville-Muskingum County Coalition's application for a U.S. Environmental Protection Agency Community Wide Brownfields Assessment grant. Our organization represents residents and businesses in a three-county region, including Muskingum County and the City of Zanesville.

We will participate in the assessment grant by providing support, community organizing and outreach, and other in-kind activities requested by the Coalition determined to be appropriate by our organization. We understand that by the EPA providing funds to inventory, characterize, and assess brownfield sites within the City of Zanesville and Muskingum County, the grant will sustain progress toward a healthier community and natural environment. As an organization, we strive to promote financial stability and independence, help children and youth achieve their potential, and improve the health of our residents. As a result, we share a mutual purpose with city and county officials and believe that a Brownfields Assessment Grant will directly impact these goals.

We are excited about this partnership and the opportunity to economically and environmentally strengthen our community.

Sincerely,

A handwritten signature in blue ink that reads "Margaret (Meg) Deedrick". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

Margaret (Meg) Deedrick, Executive Director
United Way of Muskingum, Perry and Morgan Counties
740.454.6872
mdeedrick@unitedwayofmpm.org

GIVE. ADVOCATE. VOLUNTEER.
Advancing Education, Income, and Health



OHIO
UNIVERSITY
Zanesville

1425 Newark Road
Zanesville OH 43701

T: 740.453.0762
F: 740.453.6161

www.ohio.edu/zanesville

4 November 2015

City of Zanesville
C/O: Mr. Jay Bennett, Director of Community Development
401 East Market Street
Zanesville, OH 43701

RE: Letter of Commitment for U.S. EPA Brownfields Assessment Grant

Dear Mr. Bennett,

On behalf of Ohio University Zanesville, I am pleased to provide this letter in support of the USEPA Brownfields Assessment Grant application for the Zanesville Muskingum County Coalition. This grant will enable the Coalition to address important issues that will benefit the community in the areas of economic development and environmental health.

As a regional campus in the Ohio University system, OU Zanesville is committed to serving the educational and regional development needs of our community. Since its founding in 1946 in response to the GI Bill, OU Zanesville has not only provided access to excellent educational opportunities in the region, we also play a key role in the area economy as we work with economic development partners -- as well as business and industry -- to ensure that a skilled and professionally trained workforce is available to meet community employment needs. We are undertaking efforts to collaborate with numerous organizations and individuals to design and deliver training programs that lead to jobs for our area residents. As we integrate experiential education more fully into our academic program, we see potential benefit in engaging our students in internships and other community work such as the kind of land revitalization this program provides.

If you have any questions, please do not hesitate to contact me. I am deeply supportive of this effort to help bring these sites back into productive use and contribute to our local economy.

Sincerely,

Dr. Jenifer Cushman
Campus Dean



Administrative Center

ZANESVILLE CITY SCHOOLS

956 Moxahala Avenue ZANESVILLE, OHIO 43701 PHONE: (740) 454-9751
FAX: (740) 455-4325

Doug Baker, Ed. D.
Superintendent

November 3, 2015

City of Zanesville
C/O: Mr. Jay Bennett, Community Development Director
401 East Market Street
Zanesville, OH 43701

RE: Letter of Commitment for U.S. EPA Brownfields Assessment Grant

Dear Mr. Bennett:

On behalf of the Zanesville City Schools, I have written this letter to express our support for the Zanesville-Muskingum County Coalition's application for a U.S. Environmental Protection Agency Community Wide Brownfields Assessment grant. Our organization represents residents in the field of PK – 12 education.

Zanesville City Schools will participate in the assessment grant by providing support, community organizing and outreach, and other in-kind activities requested by the Coalition determined to be appropriate by our organization. We understand that by the EPA providing funds to inventory, characterize, and assess brownfield sites within the City of Zanesville and Muskingum County, the grant will sustain progress toward a healthier community and natural environment. If received, this grant will enhance available land for academic and recreation uses by students, parents, and educators in the Zanesville City Schools attendance area.

We are excited about the possibilities a Brownfields Assessment Grant holds for the future of our residents, making our community economically strong and environmentally safe.

Sincerely,

Doug Baker, Ed. D.
Superintendent



APPENDIX D
LEVERAGED FUNDS COMMITMENT



THE CITY OF
Zanesville

Community Development Department
401 Market Street • Zanesville Ohio 43701
(740) 455-0601 Ext. 124

JEFF L. TILTON
Mayor

JAY D. BENNETT
Director

December 9, 2015

U.S. EPA Region 5 Headquarters
C/O: Mr. Matthew Didier
77 West Jackson Blvd.
Chicago, IL 60604-3507

RE: FY2016 US EPA Brownfields Hazardous Substances and Petroleum Products
Assessment Grant Proposal
Zanesville-Muskingum County, Ohio Coalition

Dear Mr. Didier:

Please allow this letter to serve as formal notice that if the Zanesville-Muskingum County, Ohio Coalition is awarded a brownfields assessment grant that the City of Zanesville will budget at least \$5,000.00 in years two and three of the grant as in-kind support for re-use planning and assessments. Our budget for next year has already been submitted to City Council for approval and there is very little room to make adjustments of this size in the city's current economic conditions. I am confident that our other coalition members, the Muskingum County Commissioners and the Zanesville-Muskingum County Port Authority, would support the city's commitment for this purpose.

We remain committed to addressing the environmentally contaminated and underutilized properties within our area. If you have any questions, please do not hesitate to contact me at your earliest convenience.

Respectfully,

Jay D. Bennett
Director of Public Service and Community Development



**HUMAN SERVICES • CHILD SUPPORT
OHIO MEANS JOBS
Troy McCollister
Director**

445 Woodlawn Avenue/P.O. Box 100
Zanesville, OH 43702-0100
Phone (740) 453-3251 • Fax (740) 455-8240
Email troy.mccollister@jfs.ohio.gov
www.muskingumcountyjfs.com

Mr. Jay Bennett
City of Zanesville
401 East Market Street
Zanesville, OH 43701

RE: Letter of Commitment for U.S. EPA Brownfields Assessment Grant
U.S. EPA Brownfields Assessment Grant Project
ZMC Coalition

Dear Mr. Bennett:

The Muskingum County Department of Job and Family Services/OhioMeansJobs is pleased to support your application for a U.S. Environmental Protection Agency (U.S. EPA) Brownfields Assessment Grant to assess and promote redevelopment of brownfield sites within the Coalition area.

The Muskingum County Department of Job and Family Services/OhioMeansJobs will facilitate job training and job placement tied to the redevelopment of brownfields in the Coalition area. We will spread the word through various media sources when employment opportunities and training become available during the redevelopment of brownfields. We want to be part of the efforts for brownfield assessment and cleanups through the Brownfields Assessment Grant from the U.S. EPA.

We have numerous partners in the Coalition area that work with individuals seeking employment and businesses seeking employees. Our staff helps direct job seekers and businesses to the right resources, making the process of seeking a job or finding new employment seem less daunting. We will also help those seeking employment to develop a job plan to ensure their continued success.

With brownfield revitalization, the economic well-being of our community will be improved, thereby providing an avenue for additional business growth. Through The Muskingum County Department of Job and Family/OhioMeansJobs, we have a network ready to support workforce development needs that arise from the reuse of brownfield sites.

Sincerely,

Troy McCollister, Director
Muskingum County Job and Family Services

"People dedicated to helping people."

The Following email correspondence demonstrates the EPA Technical Assistance to Brownfields (TAB) Program's commitment to assist the ZMCC brownfield program:

From: Blase Leven [<mailto:baleven@ksu.edu>]
Sent: Friday, December 04, 2015 12:01 PM
To: Patrick Omalia
Subject: RE: following up

Hi Patrick,

Good to hear from you. I spoke with Susan a couple of days ago on another matter and asked about this and she said her person hadn't been able to visit Zanesville yet. So it would be good for that to happen and then we can have a conference call to plan our way forward as far as meetings and who can do what (between TAB and ODSA).

If you are asking about what else you can show TAB helping with in your EPA proposal – you could also say we can assist with a brownfields site inventory, site re-use visioning, hiring environmental consultants, etc. Lets touch base once ODSA gets out to Zanesville – will that work?

- Blase

Blase A. Leven, LG
Technical Assistance to Brownfields (TAB) Program
Kansas State University
Manhattan, KS
baleven@ksu.edu
785-532-0780 (o)
785-565-8198 (c)
<https://www.ksutab.org>

From: Patrick Omalia [<mailto:Patrick.Omalia@coz.org>]
Sent: Friday, December 04, 2015 10:47 AM
To: Blase Leven
Subject: following up

Hi Blasé!

I hope this email finds you well and that you had a great Thanksgiving.

My boss and I were talking about brownfields today as we are wrapping up our grant application. We started talking about TAB and I thought it would be a good idea to reach out to you to see if there is anything beyond hosting a few public meetings and promoting the program that we can undertake here to start laying the groundwork for a successful visit. I've written a similar email to Susan but we want to make sure that we hit it out of the park! Any advice would be appreciated. Thanks in advance and I hope to hear from you soon!

Respectfully,
Patrick O'Malia, MPA
Redevelopment Administrator
City of Zanesville, Ohio



Patrick O'Malia, MPA
Redevelopment Administrator
City of Zanesville
401 East Market Street
Zanesville, Ohio 43701

September 10, 2015

Dear Mr. O'Malia:

As a follow-up to our recent meeting, I am pleased to extend the offer to perform environmental services in the form of a Phase I Environmental Site Assessment (ESA) to property owners and the City of Zanesville free of charge as part of our Environmental Science, Safety, and Health degree program.

A Phase I ESA is utilized by commercial property owners, banks, and other interested parties to evaluate environmental risk associated with a real estate transaction. It includes an evaluation of current site conditions, determination of historical property use, and review of regulatory files and databases performed to the standard (ASTM E1527-13). The ESA begins with the assessor visiting the property and performing a walk-through taking photographs documenting site conditions and potential environmental concerns. It may or may not include minor testing such as asbestos, lead, or radon testing as determined by the Client's scope of work. Of note, testing is outside the scope of ASTM E1527-13. In addition, the assessor will research the history of the property back to 1940 or vacant land, whichever is earlier, in five year intervals to evaluate potential historical uses of environmental concern or risk. Finally, a regulatory database review is performed as well as review of regulatory files and interviews with persons familiar with the property, including regulatory officials. The regulatory database review is procured from Environmental Data Resources and includes a review of federal, state, and local environmental databases. After the data is collected and evaluated, a written report is generated detailing the findings and conclusions as well as recommendations for additional investigation when appropriate.

As part of the capstone course in the Environmental Science, Safety, and Health program, the students learn to perform an ESA on a commercial property, which allows them to incorporate all of the skills they have learned in their courses. The ESA is completed under the supervision of an Environmental Professional as defined by ASTM E1527-13 and can be used in a real estate transaction if the Client so chooses. Of importance, the ESA is not a binding regulatory document and may not suffice the requirements of assessment under federal or state environmental programs, such as the Ohio Voluntary Action Program. The students benefit from the process as it serves as the culmination of their academic program and prepares them for the workforce. The Client benefits as the ESA is free (over a \$2000 value) and can serve as a preliminary indication of environmental issues that may be encountered as part of a real estate transaction. Students sign a liability release as part of the process, protecting the Client and the College should an injury occur during the field activities and report preparation.

Please let me know if you or any property owners have an interest in this service. I look forward to working with you and developing a partnership between the City and the College!

Sincerely,

A handwritten signature in black ink, appearing to read 'Elizabeth Kline'.

Elizabeth Kline, MS, CHMM
Instructor, Biology and Environmental Technologies
740.588.4116
ekline@zanestate.edu



November 2, 2015

Mr. Jay Bennett
City of Zanesville
401 East Market Street
Zanesville, OH 43701

RE: Letter of Commitment for U.S. EPA Brownfields Assessment Grant
U.S. EPA Brownfields Assessment Grant Project

Dear Mr. Bennett,

On behalf of Zane State College, we are pleased to provide this letter in support of the USEPA Brownfields Assessment Grant application for the Zanesville Muskingum County Coalition. This grant will enable the coalition to address important issues that will benefit the community in the areas of economic development and environmental health.

Zane State College has been a community partner and educational resource to the City and County since 1969. We play a key role in the area economy as we work with economic development partners as well as business and industry to ensure that a skilled and professionally trained workforce is available to meet community employment needs. We collaborate with countless organizations and individuals to design and deliver training programs that lead to jobs for our area residents.

During the course of the Assessment Grant, Zane State College will work with local entities to develop and implement training programs to prepare environmental technician workers. Programs for development include environmental sampling and assessment techniques and health and safety training. Training programs will be designed to provide skilled workers who are prepared to assist with assessment activities in support of the Coalition's Brownfields Assessment Grant. Our students in the Environmental Site Assessment course will also attempt to work with the Coalition to help in the Phase I assessments. In the past, students from Zane State College have helped with the assessment of the National Plumbing Pottery brownfield site, and the assessment and sampling of soils at the Mitzel Building owned by private individuals.

Should you have any questions, or need additional information please do not hesitate to contact Elizabeth Kline, faculty for the program at 740.588.4116 or ekline@zanestate.edu.

Sincerely,

A handwritten signature in black ink, appearing to read 'Chad M. Brown'.

Chad M. Brown, Ph.D.
President
Zane State College

A handwritten signature in black ink, appearing to read 'Elizabeth Kline'.

Elizabeth Kline, MS, CHMM
Assistant Professor, Environmental
Technologies

Washington Township Trustees
Joni Howard, Fiscal Officer
3010 Adamsville Road
Zanesville, Ohio 43701

November 12, 2015

City of Zanesville
C/O: Mr. Jay Bennett, Community Development Director
401 East Market Street
Zanesville, OH 43701

RE: Letter of Support for U.S. EPA Brownfields Assessment Grants

Dear Mr. Bennett:

The Washington Township Trustees are pleased to support your application for the FY2016 U.S. Environmental Protection Agency Brownfields Assessment Grants to assess and promote redevelopment of brownfield sites in the Zanesville – Muskingum County area, which includes our community, Washington Township.

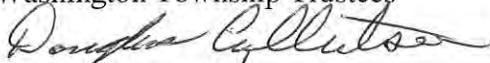
We realize that Zanesville faces significant challenges as the result of vacant and abandoned former commercial, manufacturing and industrial properties and we are excited this grant will provide funding to begin the process of putting these properties back into use and provide new opportunities for our citizens. Many residents of Washington Township commute to Zanesville for their businesses, places of employment or for shopping and recreational opportunities. There may also be brownfield sites in Washington Township and this coalition grant with the City, County and Port Authority may allow us the opportunity to examine or remediate the conditions on the ground.

We are excited that redevelopment of brownfields can create new local jobs and revitalize our area's core downtown business district. In addition to improving the economic health of our region we are excited to see some tangible human health benefits for the residents who live in close proximity to brownfield sites. We look forward to being an active partner throughout the grant period and offer our support by hosting community outreach meetings when requested.

If you have any questions or need additional information please feel free to contact Douglas Culbertson at 740-819-1758.

Sincerely,

Washington Township Trustees





Village of Roseville

Municipal Building

107 N. Main Street • Roseville, Ohio 43777-1255

Phone: 740-697-7323 • Fax: 740-697-0064

Kimberly Dixon
Mayor

Jeffrey A. Slack
Village Administrator

Heidi Milner, MMC
Chief Fiscal Officer

November 30, 2015

City of Zanesville
C/O: Mr. Jay Bennett, Community Development Director
401 East Market Street
Zanesville, OH 43701

RE: Letter of Support for U.S. EPA Brownfields Assessment Grants

Dear Mr. Bennett:

When you contacted my office I was so excited to hear that the City of Zanesville along with Muskingum County will be submitting a FY2016 U.S. Environmental Protection Agency Brownfields Assessment Grant to assess and promote redevelopment of brownfield sites. The Village of Roseville fully supports and commends your efforts to improve the City of Zanesville and Muskingum County by assessing Brownfields, eliminating blight, mitigating lead contamination which is more than double the National average in Roseville, Ohio, and improving economic development.

We understand what Zanesville faces with vacant and abandoned former commercial, manufacturing and industrial properties because the Village of Roseville has been facing the same issues since the loss of the Pottery Factories. In the early 1900s Roseville was known as the "Pottery Capital of the World" with around 15 commercial pottery factories between Roseville and Crooksville. With only one pottery factory still in operation today many of the other sites have been left as Brownfield Properties. I know that these grants have a huge positive impact on communities as Roseville started over a decade ago assessing two out of the six brownfield properties we have. The former Brush Pottery was remediated in 2009 through Clean Ohio Grants and a USEPA Cleanup Grant and now has a No Further Action and Covenant Not to Sue with a small Custom Homes Business on the site. Roseville is submitting an application to USEPA Site Specific Hazardous Substances Cleanup Grant for the former Ungemach Pottery site next month in hopes to mitigate lead and reuse of one of the largest Brownfield Sites in Roseville.

There are several other properties in Zanesville and Roseville that can use this funding to begin putting these properties back into use and provide new opportunities for our citizens. The majority of residents of Roseville commute to Zanesville for their businesses, places of employment or for shopping and recreational opportunities. There are also brownfield sites in

Village of Roseville

Municipal Building

107 N. Main Street • Roseville, Ohio 43777-1255

Phone: 740-697-7323 • Fax: 740-697-0064

Kimberly Dixon
Mayor

Jeffrey A. Slack
Village Administrator

Heidi Milner, MMC
Chief Fiscal Officer

Roseville and this coalition grant with the City, County and Port Authority may allow us the opportunity to examine or remediate the conditions on the ground.

We know from experience that redevelopment of brownfields create new local jobs and can revitalize our area's core downtown business district. Improving the economic health of our region is also a priority to the citizens and to the future of our towns. In Roseville an USEPA funded investigation in the 1990s found lead at 125 times the normal concentration believed to be from waste ceramics and ceramic glazes from the pottery sites. We are excited to see some tangible human health benefits for the residents who live in close proximity to brownfield sites. We look forward to being an active partner throughout the grant period and offer our support by hosting community outreach meetings when requested.

Sincerely,



Jeffrey A. Slack
Village Administrator, Village of Roseville
rpd43777@sbcglobal.net



Village of Philo
Lloyd R. Miller, Mayor
310 Main Street, Philo, Ohio 43771

lmille13@columbus.rr.com

740-674-6605

November 17, 2015

City of Zanesville
C/O: Mr. Jay Bennett, Community Development Director
401 East Market Street
Zanesville, OH 43701

RE: Letter of Support for U.S. EPA Brownfields Assessment Grants

Dear Mr. Bennett:

The Village of Philo is pleased to support your application for the FY2016 U.S. Environmental Protection Agency Brownfields Assessment Grants to assess and promote redevelopment of brownfield sites in the Zanesville – Muskingum County area, which includes **The Village of Philo**.

We realize that Zanesville faces significant challenges as the result of vacant and abandoned former commercial, manufacturing and industrial properties and we are excited this grant will provide funding to begin the process of putting these properties back into use and provide new opportunities for our citizens. Many residents of **The Village of Philo** commute to Zanesville for their businesses, places of employment or for shopping and recreational opportunities. There may also be brownfield sites in **The Village of Philo** and this coalition grant with the City, County and Port Authority may allow us the opportunity to examine or remediate the conditions on the ground.

We are excited that redevelopment of brownfields can create new local jobs and revitalize our area's core downtown business district. In addition to improving the economic health of our region we are excited to see some tangible human health benefits the residents who live in close proximity to brownfield sites. We look forward to being an active partner throughout the grant period and offer our support by hosting community outreach meetings when requested.

The Village of Philo has two areas of concern ,the former site of the Ohio Power generation plant and the former site of the Ohio Ferro Alloy Corporation. The Village of Philo operates our water system in which we strive to provide the safest water to our customers.

Sincerely,

Lloyd R. Miller

Mayor , Village of Philo

Springfield Township

2645 Fawn Lane, Zanesville Ohio 43701

Phone: 740-454-2205

Fax: 740-454-2205

Email: springfieldtpw0890@hotmail.com

Dale D. Phillips, Trustee
2790 Ridge Road
Zanesville, OH 43701
740-453-3337

Mark L. Burrier, Trustee
2510 Archer Lane
Zanesville, OH 43701
740-453-5636



Jarret Daniels, Trustee
4845 Old Coopermill Road
Zanesville, OH 43701
740-453-3332

Connie Fink, Fiscal Officer
2645 Fawn Lane
Zanesville, OH 43701
740-454-2205

November 3, 2015

City of Zanesville
C/O: Mr. Jay Bennett, Community Development Director
401 East Market Street
Zanesville, OH 43701

RE: Letter of Support for U.S. EPA Brownfields Assessment Grants

Dear Mr. Bennett:

Springfield Township is pleased to support your application for the FY2016 U.S. Environmental Protection Agency Brownfields Assessment Grants to assess and promote redevelopment of brownfield sites in the Zanesville – Muskingum County area, which includes Springfield Township.

We realize that Zanesville faces significant challenges as the result of vacant and abandoned former commercial, manufacturing and industrial properties and we are excited this grant will provide funding to begin the process of putting these properties back into use and provide new opportunities for our citizens. Many residents of Springfield Township commute to Zanesville for their businesses, places of employment or for shopping and recreational opportunities. There are also brownfield sites in Springfield Township and this coalition grant with the City, County, and Port Authority may allow us the opportunity to examine or remediate the conditions at these sites.

We are excited that redevelopment of brownfields can create new local jobs and revitalize our area's core downtown business district. In addition to improving the economic health of our region we are excited to see some tangible human health benefits for the residents who live in close proximity to brownfield sites. We look forward to being an active partner throughout the grant period and offer our support by hosting community outreach meetings when requested.

Sincerely,


Dale D. Phillips, Trustee


Jarret J. Daniels, Trustee


Mark L. Burrier, Trustee


Connie Fink, Fiscal Officer

Muskingum Township
www.muskingumtownship.com
P.O Box 2940 Zanesville, Ohio 43702

11/23/2015

City of Zanesville
C/O: Mr. Jay Bennett, Community Development Director
401 East Market Street
Zanesville, OH 43701

RE: Letter of Support for U.S. EPA Brownfields Assessment Grants

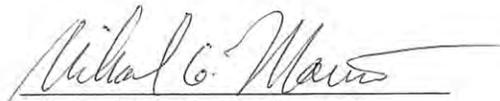
Dear Mr. Bennett:

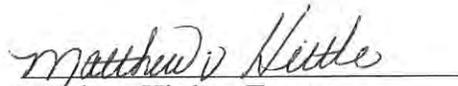
Muskingum Township is pleased to support your application for the FY2016 U.S. Environmental Protection Agency Brownfields Assessment Grants to assess and promote redevelopment of brownfield sites in the Zanesville – Muskingum County area, which includes our community, Muskingum Township.

We realize that Zanesville faces significant challenges as the result of vacant and abandoned former commercial, manufacturing and industrial properties and we are excited this grant will provide funding to begin the process of putting these properties back into use and provide new opportunities for our citizens. Many residents of Muskingum Township commute to Zanesville for their businesses, places of employment or for shopping and recreational opportunities. There may also be brownfield sites in Muskingum Township and this coalition grant with the City, County and Port Authority may allow us the opportunity to examine or remediate the conditions on the ground.

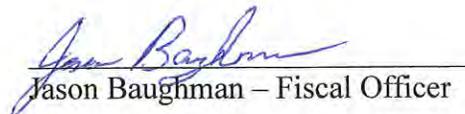
We are excited that redevelopment of brownfields can create new local jobs and revitalize our area's core downtown business district. In addition to improving the economic health of our region we are excited to see some tangible human health benefits for the residents who live in close proximity to brownfield sites. We look forward to being an active partner throughout the grant period and offer our support by hosting community outreach meetings when requested.

Sincerely,


Michael Maniaci – Trustee


Matthew Hittle – Trustee


Ed Fell – Trustee


Jason Baughman – Fiscal Officer



Our Mission

To promote, protect & improve public health in Muskingum County.

Public Health

Prevent. Promote. Protect.

Zanesville-Muskingum County

November 16, 2015

City of Zanesville
Mr. Jay Bennett
401 East Market Street
Zanesville, OH 43701

RE: Letter of Commitment for U.S. EPA Brownfields Assessment Grant
FY2016 U.S. EPA Brownfields Assessment Grants
Zanesville Muskingum County Coalition

Dear Mr. Bennett:

The Zanesville-Muskingum County Health Department (ZMCHD) is pleased to support the Zanesville Muskingum County Coalition's Brownfield application for a U.S. EPA Brownfield Coalition Assessment Grant. The ZMCHD is committed to improving the safety and health of our community. Our mission is to promote, protect & improve public health in Muskingum County and this project directly supports this mission.

This assessment grant is a great start down the path of reinvestment and improving the quality of life in our communities. Environmental assessments are necessary to identify contaminated sites and begin the cleanup planning process. This will not only eliminate public safety hazards, but will also improve the health of people and the environment.

ZMCHD will be a partner with the Coalition in promoting the goals of identifying, assessing and cleaning Brownfield sites within Muskingum County. Additionally, we will help with public engagement through our website and other public health outreach we conduct.

Sincerely,

Corey Hamilton, M.S., R.D., L.D.
Health Commissioner

Health Department
205 N. 7th Street
Zanesville, OH 43701

Ph: 740-454-9741
Fax: 740-455-6726
www.zmchd.org

Board of Health
Jennifer Agin
Bill Bird
James Brown
Paul Nestor
Lee Roach
Thomas Ruggles, MD
James Shepherd

APPENDIX E
PETROLEUM ELIGIBILITY DETERMINATION



Department of Commerce

Division of State Fire Marshal
John R. Kasich, Governor
Jacqueline T. Williams, Director

November 24, 2015

Joe Dufficy
U.S. EPA Brownfield Contact, Region 5
Community and Land Revitalization Branch
77 West Jackson Boulevard
Mail Code SM-7J
Chicago, IL 60604-3507

Subject: Letter of Support for Zanesville – Muskingum County Coalition - USEPA Community Wide Brownfield Assessment Coalition Grant proposal

Dear Mr. Dufficy:

This letter acknowledges that the Zanesville – Muskingum County Coalition, which is comprised of the City of Zanesville, Muskingum County and the Zanesville-Muskingum County Port Authority, notified the Office of the Fire Marshal, Bureau of Underground Storage Tank Regulations (BUSTR) of its plans to use \$150,000 of the larger \$600,000 grant proposal for a community-wide brownfield assessment for petroleum waste. The remainder of the proposed grant amount will be used for hazardous substances investigation. The communities of Zanesville, East Fultonham, Roseville and Philo have been chosen as a focus area for this grant and several former service stations have been identified as properties to be considered for Phase II Assessments. These focus areas contain some of the oldest industrial properties within the County as well as older housing stock.

I am pleased to offer BUSTR's support for Zanesville – Muskingum County Coalition's Community Wide Brownfield Assessment Grant proposal. We look forward to working with the City of Zanesville, Muskingum County and the Zanesville-Muskingum County Port Authority and the U.S.EPA on this project.

Sincerely,

A handwritten signature in cursive script that reads "Verne A. Ord".

Verne A. Ord
Assistant Chief – BUSTR
Division of State Fire Marshal
Ohio Department of Commerce

xc: Site File
Jay Bennett, City of Zanesville

APPENDIX F
LETTERS OF COMMITMENT FROM ASSESSMENT COALITION MEMBERS



ZANESVILLE - MUSKINGUM COUNTY

PORT AUTHORITY

www.zmcport.com

November 12, 2015

Mr. Jay Bennett
Director of Community Development
401 Market Street
Zanesville, OH 43701

Dear Mr. Bennett,

The Zanesville Muskingum County Port Authority (ZMCPA) is eligible to participate as a member of the Brownfield Coalition. The ZMCPA is a fully lawful political division of the State of Ohio as prescribed by Ohio Revised Code 4582.21 et seq. and further governed by the laws and Constitution of the State of Ohio. As a member of the Brownfield Coalition, the ZMCPA will contribute years of knowledge regarding abandoned and contaminated sites within the county, community outreach and involvement, and administrative roles as needed. In addition, the ZMCPA will be an active participant in marketing selected sites through the Jobs Ohio Site Selector program and will work diligently to help bring new and diverse industry to Muskingum County and the City of Zanesville.

Thank you,

Matt Abbot
Executive Director



- Susan Reese
Clerk

- Jerry L. Lavy
jlavy@muskingumcounty.org
- James W. Porter
jwporter@muskingumcounty.org

COMMISSIONERS

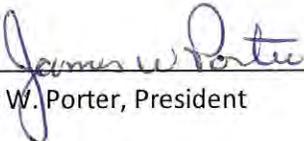
401 Main Street, Zanesville, Ohio 43701-3519

Patrick O'Malia,
Redevelopment Administrator
401 East Market Street
Zanesville, OH 43701

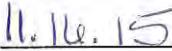
Re: Muskingum County, Ohio Eligibility and Participation

Mr. O'Malia,

Muskingum County is eligible to participate as a local government entity as defined in 40 CFR Part 31, in the Brownfield Coalition. Muskingum County is a fully lawful political subdivision of the State of Ohio as prescribed by Title III of the Ohio Revised Code; and further governed by the laws and Constitution of the State of Ohio. As a member in the Brownfield Coalition the County will contribute years of knowledge regarding abandoned and contaminated sites within the county, the use of Muskingum County GIS for the location and analysis of said sites, information on abutting land uses both current and proposed, and any other administrative roles as needed.



James W. Porter, President



Date

740-455-7100 • Fax 740-455-3785
commissioners@muskingumcounty.org

Muskingum County is an equal opportunity provider and employer.

Application for Federal Assistance SF-424

* 1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	* 2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	* If Revision, select appropriate letter(s): <input type="text"/> * Other (Specify): <input type="text"/>
--	--	--

* 3. Date Received: <input type="text" value="12/14/2015"/>	4. Applicant Identifier: <input type="text" value="N/A"/>
--	--

5a. Federal Entity Identifier: <input type="text" value="N/A"/>	5b. Federal Award Identifier: <input type="text" value="N/A"/>
--	---

State Use Only:

6. Date Received by State: <input type="text"/>	7. State Application Identifier: <input type="text"/>
---	---

8. APPLICANT INFORMATION:

* a. Legal Name: <input type="text" value="City of Zanesville"/>	
* b. Employer/Taxpayer Identification Number (EIN/TIN): <input type="text" value="31-6400241"/>	* c. Organizational DUNS: <input type="text" value="6066315620000"/>

d. Address:

* Street1:	<input type="text" value="401 Market Street"/>
Street2:	<input type="text"/>
* City:	<input type="text" value="Zanesville"/>
County/Parish:	<input type="text" value="Muskingum"/>
* State:	<input type="text" value="OH: Ohio"/>
Province:	<input type="text"/>
* Country:	<input type="text" value="USA: UNITED STATES"/>
* Zip / Postal Code:	<input type="text" value="43701-3574"/>

e. Organizational Unit:

Department Name: <input type="text" value="Community Development"/>	Division Name: <input type="text"/>
--	--

f. Name and contact information of person to be contacted on matters involving this application:

Prefix: <input type="text" value="Mr."/>	* First Name: <input type="text" value="Patrick"/>
Middle Name: <input type="text"/>	
* Last Name: <input type="text" value="O'Malia"/>	
Suffix: <input type="text"/>	

Title: <input type="text" value="Redevelopment Administrator"/>

Organizational Affiliation: <input type="text" value="City of Zanesville"/>
--

* Telephone Number: <input type="text" value="750-455-0601"/>	Fax Number: <input type="text" value="740-455-0676"/>
---	---

* Email: <input type="text" value="patrick.omalia@coz.org"/>
--

Application for Federal Assistance SF-424

*** 9. Type of Applicant 1: Select Applicant Type:**

C: City or Township Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

Environmental Protection Agency

11. Catalog of Federal Domestic Assistance Number:

66.818

CFDA Title:

Brownfields Assessment and Cleanup Cooperative Agreements

*** 12. Funding Opportunity Number:**

EPA-OSWER-OBLR-15-04

* Title:

FY16 Guidelines for Brownfields Assessment Grants

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

Delete Attachment

View Attachment

*** 15. Descriptive Title of Applicant's Project:**

FY2016 USEPA BROWNFIELDS HAZARDOUS SUBSTANCES AND PETROLEUM ASSESSMENT GRANT APPLICATION - ZANESVILLE-MUSKINGUM COUNTY COALITION, OHIO

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424

16. Congressional Districts Of:

* a. Applicant

* b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:

* a. Start Date:

* b. End Date:

18. Estimated Funding (\$):

* a. Federal	<input type="text" value="600,000.00"/>
* b. Applicant	<input type="text" value="0.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="600,000.00"/>

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

a. This application was made available to the State under the Executive Order 12372 Process for review on

b. Program is subject to E.O. 12372 but has not been selected by the State for review.

c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**

Yes No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

View Attachment

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:

Middle Name:

* Last Name:

Suffix:

* Title:

* Telephone Number:

Fax Number:

* Email:

* Signature of Authorized Representative:

* Date Signed: