Introduction

- 1.1 Community Profile
- 1.2 Documentation of the Planning Process
- 1.3 Planning Committee
- 1.4 Plan Adoption by the Board of County Commissioners
- 1.5 Plan Adoption by Multi-Jurisdictional

1.1 Community Profile - Introduction

Miami County is located in the west-central portion of Ohio. Champaign, Clark, Darke, Montgomery, and Shelby Counties neighbor Miami County. The county contains three major urban areas including the City of Troy (the County seat) along with the City of Piqua and the City of Tipp City. The County also includes nine villages: Bradford (part of the community), Casstown, Covington, Fletcher, Laura, Ludlow Falls, Pleasant Hill, Potsdam, and West Milton, and 12 townships. The total County population according the 2010 Census is 102,506. The estimated population as of July 1, 2015, according to the US Census Bureau was 104,224. A small portion of the City of Huber Heights and the City of Union are also within the southernmost part of Miami County. The majority of Miami County lies in the Miami Rivers Survey. The county was established on the first of March 1807 and was named for the Miami Native American Tribe.

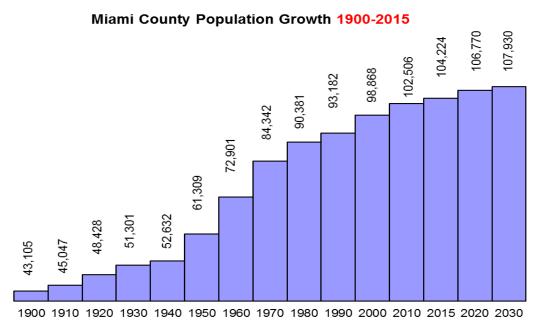
The county is located near three (3) of Ohio's largest cities: Cincinnati, Columbus, and Dayton. West Central Ohio and Miami County's physical landscape has largely been shaped by the north-south recession of prehistoric glaciers, the 1913 flood, and the construction of the I-75 corridor through the center of the County. Glacial activity deposited an abundance of fertile agricultural soils and large quantities of groundwater, sand, and gravel resources in the County. The devastating 1913 flood event left a legacy of flood control dams which today acts to limit development and preserve many scenic and recreational resources along the County's river corridors. Since the early 1960's, the I-75 corridor has been driving residential, commercial, and industrial development along the County's central axis.

Miami County encompasses approximately 407 square miles of land area. Miami County contains approximately 20 miles of Interstate 75, which is the major north-south highway through Ohio. Other components of Miami County's transportation infrastructure include U.S. Route 36, State Routes 41, 55, 185, 571, and 718, which cross the county east west, and 48, 201, 202, 589, and 721, which run north south. Two (2) commercial airports are also vital to the county's transportation.

Though Miami County contains several miles of highway, there are villages and municipalities with limited access, which could present a problem if those areas were required to evacuate during an emergency situation.

There are two (2) rivers in Miami County: The Great Miami River and the Stillwater River. The Great Miami River flows through the central portion of the county; adjacent to Interstate 75, passing near or through the Cities of Piqua, Troy, and Tipp City. The Stillwater River flows through the western portion of the county, and passes near or through the Villages of Covington, Pleasant Hill, Ludlow Falls, and West Milton, while flowing parallel to State Route 48.

According to the estimated July 1, 2015 Census, Miami County has a population of 104,224 which is a 1.7% increase from 2010. There was a large increase in the total population of the County during the 1950-1970-time period, assisted in part by construction of I-75 through Miami County. Between 1990 and 2000, the Miami County population increased by 5,686, a growth of 6.1%. Almost all of this population growth occurred in Tipp City, Troy, Concord Township, and West Milton. These primary growth areas constitute the northern edge of the Dayton Urbanized Areas, particularly along the I-75 corridor. Census figures from July 1, 2015 indicate that there are 44,290 housing units in Miami County. Housing units include both traditional houses and apartments. The county has an average of 2.49 persons per household. Further, the county's medium household income in 2015 is listed at 51,569.



The 2020 and 2030 are projected amounts

The majority of Miami County's land cover is agricultural; land in farms is 184,233 acres. Approximately 1,068 individual farms operate in Miami County, with an average size of 173 acres. According to the Ohio County Profiles prepared by the Office of Research, total cash farm receipts for 2015 are \$110,002,000. Miami County's topography is that of flat, open areas to gently sloping areas, which offers no natural barrier to slow down strong straight-line winds or tornadoes.

Miami County has a very diverse employment background. According to the Ohio County Profiles prepared by the Office of Research, the largest areas of employment are goods producing (11,679 jobs) and service providing (23,528 jobs). Estimated total employed in Miami County in 2015 was 49,900 persons.

The major and notable employers:

26.1.027.12.2		
Major & Notable Employers		
AO Smith/Regal Beloit Corp	Mfg	
ConAgra Inc	Mfg	
Crane Co	Mfg	
F-Tech Inc/F&P America	Mfg	
Goodrich Corp	Mfg	
Hartzell	Mfg	
Illinois Tool Works Inc/Hobart	Mfg	
Meijer Inc	Trade	
Piqua City Schools	Govt	
Troy City Schools	Govt	
Upper Valley Medical Center	Serv	

In 2015 the county's unemployment rate was at 4.4%. In 2015 a total of 116 new businesses opened for a total of 1,793 active businesses in Miami County.

Miami County is the home of several tourist attractions, including the Piqua Historical Area State Memorial, Fort Rowdy Museum at Covington, Union Township Historical Museum and Quaker Research Center at West Milton, Pleasant Hill Civil War Monument, Brukner Nature Center, Hoover Grist Mill, Pickawillany Monument, Charleston Falls Preserve, Stillwater Prairie Reserve, Miami-Erie Canal Locks, and the Scenic Stillwater and Great Miami Rivers, Hobart Urban Nature Preserve, Lock 9 Park, Duke Park, Treasure Island Park, Eldean Covered Bridge, National Historic Landmark, Fletcher Covered Bridge, Lost Creek Reserve and Knoop Agricultural Heritage Center, WACO Air Museum, Tippecanoe Historical Museum in Tipp City, Overfield Tavern Museum in Troy, Miami Valley Veterans Museum in Troy, Troy-Hayner Cultural Center, AB Graham Memorial Center, Founder of 4-H Club Program.

1.1 Community Profile Update Commentary

The Community profile has been updated since the last plan draft was compiled in 2011. This allowed the Miami County Hazard Mitigation Committee (MCHMC) to catch sight of what has changed in the County over the past 5 years. The results included:

- Miami County's population was increased approximately 1.7% since 2010 Census based on estimates as of July 1, 2015 per US Census Bureau from 102,506 to 104,224.
- The county remains a strong agricultural community.
- The farms decreased in number but grew larger in acreage.
- Upper Valley Medical Facility Expansions.
- The total active business remained relatively stable -1,793 in 2015.
- New elementary and intermediate schools were constructed in Piqua.
- Health care facilities and expansions include: Upper Valley Medical Center and Premiere Health.
- New Tipp City Orthopedic Institute.
- Miami County residents continue to enjoy a strong business climate with its proximity to I-75 and I-70 location, quality education, great entertainment venues, and numerous recreation opportunities.
- Hobart Bros. plant is closed.
- ORR FELT A century old company in Piqua closed.
- Con Agra, on 721 west of Pleasant Hill, closed production & is now used as warehouse.
- Clopay expansion in Troy.
- Abbott Industries Expansion in Tipp City.
- Meijer Distribution expansion
- Randall House Senior Living in Tipp City expanded.
- Remedi Senior Care in Troy expanded.
- Brookdale Assisted Living in Troy expanded.
- Caldwell House Assisted Living in Troy expanded.
- Story Point Assisted Living in Troy expanded.
- Chick-fil-a, Zoup, Rapid Fire Pizza new in Troy.
- Piqua Planet Fitness.
- Four new convenience / fuel stations throughout county.
- UTC Troy.
- Troy City Schools Master Plan is in progress.
- St. Patrick's Private School expansion.
- Troy 97% Downtown first floors are currently occupied.
- Piqua Commercial rail line upgrade from Piqua to Troy including a new railroad bridge.
- New K-8 School in Covington.
- Pleasant Hill School.
- Miami East School.
- Bethel Schools.
- Edison State Career Center expansion.
- Tipp City Fire Department addition.
- New water treatment plant City of Piqua; construction to begin 2017.

- Covington Wastewater Treatment Plant construction to begin 2017.
- Covington EMS/Fire has gone to 24-hour services.
- Miami Conservancy District levy accreditations.
- Halifax residential subdivision.
- National Weather Services has added monitoring points in Piqua.

1.1 Population

Miami County Ohio Profile		
Location: West Central Ohio		
Pordoring Counting		
Bordering Counties: Champaign	Clark	Darke
Montgomery	Shelby	Darke
e.n.gee.,	CC.,	
2010 Census Population for Cities, Village	es, Townships	
		Estimated
	2010	2015
Miami County	102,506	104,224
Incorporated Places and Balance of Cour		104,224
Village of Bradford (part)	1,011	1,094
Village of Casstown	267	271
Village of Covington	2,584	2,625
Village of Fletcher	473	480
Huber Heights (part)*	959	984
Village of Laura	474	469
Village of Ludlow Falls	208	211
City of Piqua	20,522	20,790
Village of Pleasant Hill	1,200	1,219
Village of Potsdam	288	293
City of Tipp City	9,689	9,899
City of Troy	25,058	25,659
City of Union (part)*	24	24
Village of West Milton	4,630	4,714
Balance of Miami County	35,327	35,492
Townships (not including incorporated municipalities)		
Bethel Township	4,843	4,927
Brown Township	1,122	1,140
Concord Township	5,295	5,388
Elizabeth Township	1,648	1,677
Lost Creek Township	1,409	1,434
Monroe Township	5,864	5984
Newberry Township	2,854	2,833
Newton Township	2,199	2,229
Springcreek Township	1,948	1,979
Staunton Township	2,090	1,958
Union Township	4,479	4,342
Washington Township	1,576	1,601

^{*}The City of Huber Heights and the City of Union only have a small portion of their cities within Miami County. These areas have not been profiled into this planning document.

1.1 Description of Planning Area

Vill	age of Bradford	
Location	Northwest Portion of County	
Township	Newberry Township	
Population	1,077	
Median Household Income	\$44,257 (2015)	
Housing Units	750	
Public Schools	Bradford Village Exempted Schools	
Major Highways in Proximity to Village	Interstate 75 - 11 miles east State Route 721 through Village	
	age of Casstown	
Location	East Central	
Township	Lostcreek Township	
Population	267	
Median Household		
Income	\$37,958 (2015)	
Housing Units	122	
Public Schools	Miami East Local Schools	
Major Highways in	State Route 55	
Proximity to Village	State Route 589	
Village of Covington		
Location	Northeastern Portion of County	
Township	Newberry Township	
Population	2,584	
Median Household		
Income	\$39,618 (2015)	
Housing Units	1,156	
Public Schools	Covington K-8	
Major Highways in Proximity to Village	U.S. Route 36	
	State Route 41	
	State Route 48	

Village of Fletcher		
Location	Northeastern Most Portion of County	
Township	Brown Township	
Population	480	
Median Household Income	\$45,277 (2015)	
Housing Units	197	
Public Schools	Miami East North Elementary	
Major Highways	U.S. Route 36	
Proximity to Village	State Route 589	
Village of Laura		
Location	Southwestern Portion of County	
Township	Union Township	
Population	469	
Median Household Income	\$41,486 (2015)	
Housing Units	185	
Public Schools	Miami East North Elementary	
Major Highwaya in	State Route 571	
Major Highways in Proximity to Village	State Route 55	
Training to things	State Route 721	
Village of Ludlow Falls		
Location	Southwestern Portion of County	
Township	Union Township	
Population	211	
Median Household Income	\$42,894 (2015)	
Housing Units	86	
Public Schools	None	
Major Highways in	State Route 48	
Proximity to Village	State Route 55	

City of Piguo		
Location	City of Piqua North Central Portion	
Township	Washington/Springfield Township	
Population Median Household	20,790	
Income	\$35,148 (2000)	
Housing Units	9,311	
	Edison State Community College	
	Nicklin Learning Center	
	Piqua High School	
	Piqua Junior High School	
l i	Springcreek Primary Elementary	
l i	Upper Valley Vocational	
	Washington Intermediate Elementary	
	,	
	Interstate 75	
Major Highways in	U.S. Route 36	
Proximity to City	State Route 66	
	State Route 185	
Village of Pleasant Hill		
Location	West Central Portion of County	
Township	Newton Township	
Population	1,219	
Median Household Income	\$50,858 (2015)	
Housing Units	498	
Public Schools	Newton Elementary	
Fubilic Scriools	Newton High School	
Major Highways in	State Route 48	
Proximity to Village	State Route 718	

Village of Detadem		
Location	Southwestern Portion of County	
Township	Union Township	
Population	293	
Median Household	230	
Income	\$3,159 (2015)	
Housing Units	104	
Public Schools	None	
Major Highways in Proximity to Village	State Poute 55	
Treaming to Timege	State Route 55	
City of Tipp City		
Location	South Central Portion of County	
Township	Monroe Township	
Population	9,899	
Median Household Income	\$58,843 (2015)	
Housing Units	4,194	
	Bethel Elementary	
	Bethel Junior High	
	Bethel High	
Public Schools	Broadway Elementary	
Fubile Scrioois	LT Ball Intermediate	
	Nevin Coppock Elementary	
	Tippecanoe Middle	
	Tippecanoe High	
Major Highways in	Interstate 75	
Proximity to City	State Route 571	

City of Troy		
Location	Center of County - County Seat	
Township	Concord Township	
Population Median Household	25,659	
Income	\$43,106 (2015)	
Housing Units	11,166	
	Concord Elementary	
	Cookson Elementary	
	Heywood Elementary	
Public Schools	Hook Elementary	
Public Scrioois	Kyle Elementary	
	Van Cleve 6 th Grade	
1	Troy Junior High	
	Troy High School	
Major Highways in Proximity to City	Interstate 75	
	State Route 55	
	State Route 41	
	State Route 202	
	State Route 589	
	State Route 718	
Village of West Milton		
Location	Southwestern Portion of County	
Township	Union Township	
Population	4,714	
Median Household		
Income	\$49,284 (2015)	
Housing Units	2,102	
Public Schools	Milton-Union Elementary Milton-Union Middle School	
I abile delledis		
Major Highwaya in	Milton-Union High School	
Major Highways in Proximity to Village	State Route 48	
. Totaliney to vinago	State Route 571	

1.1 Climate, Environment & Geography

Located in the Miami Valley, Miami County experiences cold winters and fairly warm summers. The average daily high temperature in January is 35°F and the average low temperature is 21°F. The average temperature in July is 87°F and the average low temperature is 67°F. The lowest recorded temperature was -21°F in 1985. Miami County receives about 39.5" of rainfall per year.

The highest elevation point in the County is near Fletcher and is about 1,155 feet above sea level. Miami County lies in the Wisconsin Age glaciated region of Ohio. The topography is broad. It is level to gently rolling and is divided by two major rivers; the Great Miami and the Stillwater and their tributaries. Elevation ranges from about 770 to 1,155 feet above sea level.

The County is well suited for farming because of the deep fertile soils. Corn, soybeans, wheat, and hay are its principle crops. When prime farmland is lost to other uses, farming methods are compromised in that crop production is lost or the farming community is forced to use more erodible or drought prone land. Therefore, it is important to preserve the best suitable farmland as identified in the Soil Survey of Miami County. Miami County has a Comprehensive Plan which helps to protect the quality farmland.

The primary mineral resources found in Miami County are limestone, sand, and gravel. It is important to know where these resources are located for land use planning.

1.1 History

Miami County was created in 1807. It was once an Indian stronghold. The name "Miami" comes from the Miami Tribe of Indians. The word "Miami" in Indian language means "Mother". Many of the early settlers of Troy, the county seat, were from Virginia and Kentucky. During the Civil War the City of Troy was a station for the Underground Railroad. Troy was once known for its wagon and buggy shops.

The City of Piqua was named by the clan of the Shawnee in their Creighton Myth meaning "man who arose from the ashes".

Tipp City was originally named Tippecanoe in honor of William Henry Harrison whose campaign slogan was "Tippecanoe and Tyler Too". John Clark developed Tippecanoe in 1840 and purposely situated the town to take advantage of the traffic on the Miami and Erie Canal. The Tipp Roller Mill is situated at Lock #15 on the canal.

The Eldean Covered Bridge is one of only two "long truss" covered bridges remaining in the County. It was built in 1860 and spans the Great Miami River at 224 feet in length. The bridge was placed on the Register of Historic Places in 1975.

The 1869 home of former slave York Ryal still stands as a monument to freedom as it tells the history of the 383 slaves freed by John Randolph of The Roanoke Plantation in Virginia; their journey north; and the injustices they endured.

The Quakers also played a large role in Miami County history from their religious freedom to being a part of the Underground Railroad.

1.1 Tourism and Points of Interest

Miami County Places of Interest

A.B. Graham Memorial Center

African Jackson Cemetery

Andrew Sheets House- Elizabeth Township

Arrowston-Piqua

Benjamin Iddings Log House- Newton Township

Bradford Junction Interlocking Tower- Bradford

Bradford Railroad Museum

Bruckner Nature Center

Callahill and Priscilla Weddle House- Elizabeth Township

Casstown Lutheran Stone Church- Casstown

Charleston Falls Preserve

Covington Historic Government Building

Detrick Milling and Distilling Company- Tipp City

E.A. Hobart House- Troy

Elizabeth Sheets Saunders Farm- Elizabeth Township

Elizabeth Township Rural Historic District

First Presbyterian Church- Troy

Fort Piqua Hotel

Fort Rowdy Historical Museum- Covington

Fulton Farms

Historic Eldean Covered Bridge

Historic WACO Field & Aircraft Museum

Hobart Circle Historic District- Troy

Hoover Grist Mill

John Minor Dye Stone House- Elizabeth Township

Johnston Farm & Indian Agency

Judge Henry Williams House- Troy

Lockington Locks Historical Area- Washington Township

Mary Jane Hayner House- Troy

McKinley School- West Milton

Miami County Courthouse and Power Station- Troy

Miami County Recreation Trails

Miami Erie Canal Locks

Museum of Troy History

Old Tippecanoe Main Street Historic District- Tipp City

Overfield Tavern- Troy

Pickawillany Monument-Piqua

Piqua Bike Path

Piqua Historical Area State Memorial

Piqua-Caldwell Historic District

Miami County Places of Interest

Pleasant Hill Civil War Memorial

Pleasant Hill United Church Of Christ

Robert Culbertson House- Troy

Saunders Seed Company- Elizabeth Township

Scenic Stillwater River

Staley Farm- Bethel Township

Stillwater Prairie Preserve

Tippecanoe Historical Museum

Troy Hayner Cultural Center

Troy Public Square

Twin Arch Stone Culvert- Concord Township

Union Township Historical Museum and Quaker Research Center

William Baumgardner House and Farm Buildings

William Hobart Vacation House-Troy

William K. Dunlap House- Troy

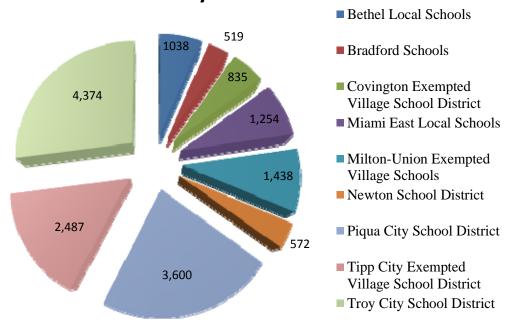
York Ryal House-Springcreek Township

1.1 Education

Public Schools

Bethel Local Schools	1038
Bradford Schools	519
Covington Exempted Village School	
District	835
Miami East Local Schools	1254
Milton-Union Exempted Village Schools	1438
Newton School District	572
Piqua City School District	3,600
Tipp City Exempted Village School	
District	2,487
Troy City School District	4,374

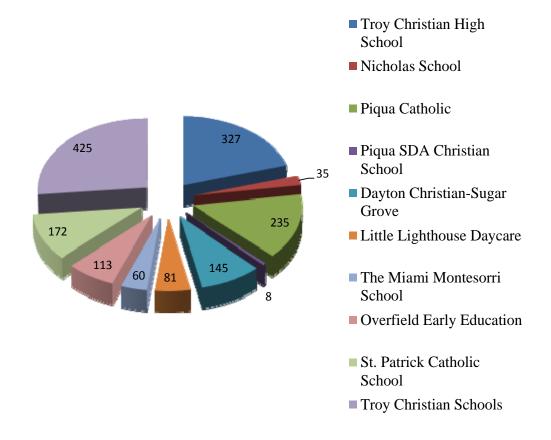
Miami County Public School Districts



Private Schools

Troy Christian High School	327
Nicholas School	35
Piqua Catholic	235
Piqua SDA Christian School	8
Dayton Christian-Sugar Grove	145
Little Lighthouse Daycare	81
The Miami Montesorri School	60
Overfield Early Education	113
St. Patrick Catholic School	172
Troy Christian Schools	425

Miami County Private Schools



1.1 Employers/Health Care/Communications/ Parks/Transportation

Major Employers

<u>Type</u>
Mfg
Trade
Gvt
Gvt
Service

Health Care

Physicians (MDs & DOs)	<u>Total</u> 125
Registered hospitals	1
Number of beds	193
Licensed nursing homes	6
Number of beds	729
Licensed residential care	5
Number of beds	348

Communications

	<u>Total</u>
Television stations	0
Radio stations	1
Daily newspapers	2
Circulation	9,834
Weekly Newspapers	1
Circulation	2,617

State Parks, Forests, Nature Preserves, and Wildlife Areas

	<u>Total</u>
Areas/Facilities	3
Acreage	134.89

Transportation

	Total
Interstate highway miles	19.95
U.S. highway miles	28.33
State highway miles	152.08
County, Twp, & municipal road miles	1,011.15
Commercial airports	2

1.1 Business and Industry

Miami County has a large business and industrial base due to its close proximity to Interstates I-70 and I-75. It has a well-established background in technology and innovation including plastic technology, aerospace, and research development. Over 25,000 engineers and scientists live and work within Miami County. Miami County also has a large agriculture presence with production of soybeans, wheat, corn, hogs, beef, and dairy products. Miami County has approximately 76% of its land in farms and total agricultural cash receipts of \$110,002,000.

In 2014 the average private sector total employment for all industries in Miami County was 35,207 persons with manufacturing claiming the largest percent.

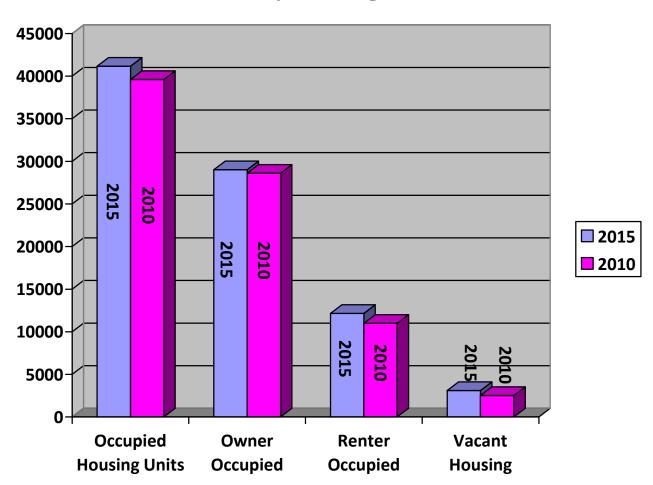
Employment by Industry		Average Emp	loyment 2010	Averag	ge Employment 2014
Private Sector			35,346		35,207
Goods-Producing			11,860		11,679
Natural Resources and Mining	g		205		169
Construction			1,725		1,561
Manufacturing			9,930		9,950
Service-Providing			23,485		23,528
Trade, Transportation and Uti	lities		8,644		8,886
Information			291		97
Financial Services			1,229		968
Professional and Business Ser	rvices		3,733		3,976
Education and Health Service	S		4,550		4,131
Leisure and Hospitality			3,851		4,166
Other Services			11,833		1,296
Federal Government			209		179
State Government			157		121
Local Government			4,847		4,466
				Nu	mber of
Major Employers	Location	<u>on</u>	<u>Type</u>	<u>Em</u>	ployees
Upper Valley Medical Center	Troy		Hospital/Health C	are	1,700
Illinois Tool Works, Inc./Hobart	Troy		Manufacturing		1,000
Goodrich Corp.	Troy		Manufacturing		750
Meijer, Inc.	Tipp C	City	Warehouse Distrib	oution	750
F-Tech, Inc./F & P America	Troy		Manufacturing		600
A.O. Smith	Tipp C	City	Manufacturing/Sa	les	450
ConAgra Foods	Troy		Food Processing		450
Troy City Schools	Troy		Gov.	not av	ailable
Piqua City Schools	Piqua		Gov.		370
Crane	Piqua		Manufacturing		320

Total Active Business (2008): 1,928 Total Active Business (2015): 1,793

1.1 Residential Housing

		2010		2015
HOUSING UNITS	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE
Total Housing Units	42,126	100%	44,274	100%
Occupied Housing Units	39,597	94%	41,169	93%
Owner Occupied	28,611	72.30%	29,010	70.5%
Renter Occupied	10,986	27.70%	12,159	29.5%
Vacant Housing Units	2,529	6%	3,105	7%

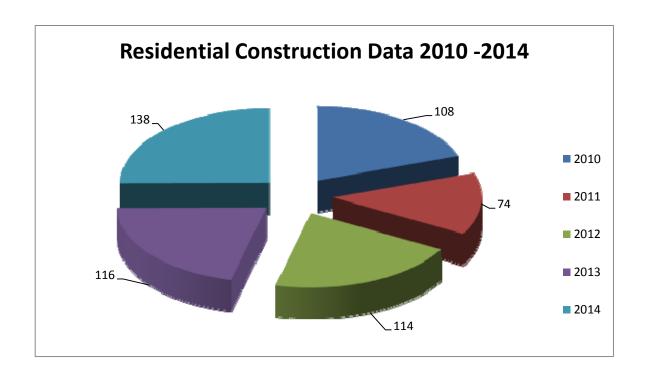
Miami County Housing Units



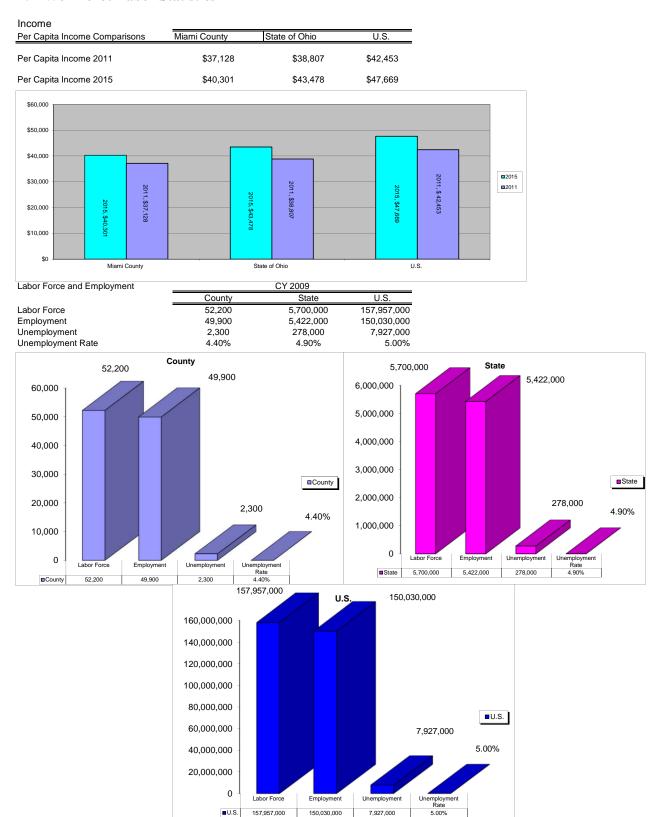
1.1 Residential Construction

Residential Construction Data for 2010- 2014

Year Structure Built	No. Built
2010	108
2011	74
2012	114
2013	116
2014	138



1.1 Workforce Labor Statistics



Information Source for this Section: Ohio Department of Development

1.2 Documentation of the Planning Process

Purpose

The purpose of the Planning Process and Plan Update was to obtain comprehensive feed back from the community to create a quality planning document in a written format. It has been a collaborative effort by the Hazard Mitigation Committee made up of the local community elected officials, local departments, agencies and general public. The Committee has put forth a good faith to seek public input through various means including public notice, invitations to multiple county municipalities, agencies, posting of minutes and meetings on electronic media, EMA websites and emailing through a comprehensive email list.

Organizing the Process

The planning process to update the Miami County Hazard Mitigation Plan has been ongoing since the 2011 Plan Approval. The Miami County Hazard Mitigation Committee (MCHMC) met yearly as part of the Plan Maintenance Process under the leadership of:

A	M. C. FMA
Artz, Ken	Miami County EMA
Beamish, Michael	Mayor, City of Troy
Bowell, Jim	Miami County EMA
Busse, Michael	Covington Village Administrator
Calicoat, Jeff	Chief, Tipp City EMS
Cantrell, Marc	American Red Cross
Cox, Phil	Monroe Township Trustee
Evans, John (Jack)	Miami County Commissioner
Havenar, Amy	Piqua City Engineer
Henderson, Michael	Mote & Associates, Inc.
Herron, Ben	West Milton Public Works
Huelskamp, Paul	Miami County Engineering
Kegley, Stan	City of Troy Project Manager
Looker, Rick	Bradford Village Administrator
Mercer, Tom	Concord Township Trustees
Moyer, Scott	Miami County Auditor
Myers, Scott	Miami County Park District
Neal, Amber	Miami County Auditor
Pence, Don	Concord Township Trustees
Pohlscheider, Brent	Piqua Fire Department
Propes, Dennis	Miami County Public Health
Puskas, Barry	Miami Conservancy District
Shook, Robert	Citizen-At-Large
Suerdieck, Dan	Miami Co. Planning/Zoning Manager
Thompson, Corey	Miami County Engineer's Office
Vallieu, Melody	Troy Daily News

The MCHMC members, through the planning process of November 2016 through June 2017, reviewed the current Miami County Hazard Mitigation Plan and addressed the county's mitigation needs in order to:

- Assemble a good cross representation of public, community, and stakeholders representing all of Miami County.
- Achieved consensus on how to achieve a desired outcome of the county's hazard mitigation challenges.
- Gain widespread support for directing the countywide financial, technical, and human resources towards an agreed upon course of action.
- Describe the planning process and intended outcome so that the description of the planning process serves a permanent record on how decisions were reached.
- Develop a strategy to reduce losses which have been developed by consensus in a methodical and reasonable way.
- Search for alternate mitigation funding sources.
- Implement the Action Plan.

Involving the Public

The MCHMC held five open public planning meetings from November 2016 through March 2017 and held two public draft plan review meetings which were held on May 2, 2017 and May 4, 2017. A special public presentation meeting was held on Hazard Mitigation and Funding Opportunities on Wednesday, June 7, 2017 at 7:30 PM to the Miami County Council. The presentation was made by Mr. Mike Henderson, Consultant and Mr. Jacob Hoover, Mitigation Supervisor of Ohio EMA. The program included an overview of the plan updates and mitigation funding opportunities and the importance of all participating entities adopting the plan. The public monthly meetings are intended to educate the community about the benefits of hazard mitigation planning and seek the input of citizens during the planning process. The following planning meetings and public meetings were held at the conference room of the Miami Communications Center which was centrally located in the county and at the County Safety Building and County Highway Garage.

List of Public Planning Meetings

For	5	year	u	pd	late
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Meeting	Date	Purpose	Invited/Attending
1	October 27, 2016	Kickoff Meeting	Public / MCHMC
2	December 13, 2016	Planning Meeting	Public / MCHMC
3	January 10, 1017	Planning Meeting	Public / MCHMC
4	February 13, 2017	Planning Meeting	Public / MCHMC
5	March 14, 2017	Planning Meeting	Public / MCHMC
6	May 2, 2017	Draft Plan Discussion	Public / MCHMC
			Other County Agencies
7	May 4, 2017	Draft Plan Discussion	Public / MCHMC
,	Way 4, 2017	Diait i lan Discussion	Other County Agencies
			Public / Miami Co. Council
8	June 7, 2017	Mitigation Presentation	including County
0	Julie 1, 2017	willigation Fresentation	Commissioners, Twp.
			Trustees, Cities & Villages

The Miami County Hazard Mitigation Committee has met annually, generally in February and held special meetings on call of the Chairman since FEMA granted approval of the initial 5 year plan in 2006. The following are dates for annual meetings held since 2011 Plan Updates..

Miami County Hazard Mitigation Committee Annual & Special Meetings 2012 - 2016

Meeting	Date	Purpose
1	February 12, 2012	Annual Mitigation Meeting
2	February 27, 2013	Annual Mitigation Meeting
3	April 18, 2014	Annual Mitigation Meeting
4	2015	No Meeting
5	October 27, 2016	Mitigation Kickoff Meeting for 5-year Plan Update

Copies of the notices, public meeting minutes, and agendas can be found in Appendix A.

Copies of the Draft Plan are available for review on the Miami County Emergency Management website: www.miamicountyema.org. Hard copies are available for review at the County Emergency Management Agency, 201 West Main Street, Troy, OH, 45373, or the Miami County Board of Commissioners, County Safety Building, 201 West Main St, Troy, OH, 45373, 937-440-5900. Kenneth Artz, EMA Director, email: kartz@ema.org.

Having a functioning mitigation committee of community leaders and representatives of various agencies, public entities, and citizens with many years of experience living and working in Miami County has helped to make mitigation implementation a success. The committee has helped identify and promote all of the positive mitigation activities that have been completed by various agencies over the past many years since the completion of the initial Miami County Hazard Mitigation Plan which was approved in 2006 and was updated & approved by FEMA in 2012. The total collaboration of various county officials and organizations has had a positive impact on Miami County.

Neighboring Community Involvement

The Miami County Emergency Management, in addition to the public announcement, also involved all of the neighboring counties' Emergency Management Agencies to participate in the planning process. Copies of the invitations are included in Appendix A. In addition, several community agencies and businesses were invited to participate in the public planning meetings. Some of the agencies represented included:

- Miami Conservancy District
- Miami County Health District
- Miami County Board of Commissioners
- Miami County Township Trustees
- Northern Miami Valley Ohio Red Cross
- City and Village Representation

- Miami County EMA
- Miami County Engineer
- Miami County Park District

The Planning and Review Process

During the plan update process and plan update process the Miami County Hazard Mitigation Committee (MCHMC) evaluated each section of the previously approved 2012 Mitigation plan and made recommendations for updating the 2012 Miami County Hazard Mitigation Plan. Some of the planning documents referenced to assist the MCHMC in the planning process included:

- New Planning Documents shared by the core committee members and as listed in the paragraph below.
- Current Miami County Mitigation Plan Document and Risk Assessment updates provided by the local fire department jurisdictions.
- FEMA's local Multi-Hazard Mitigation Planning Guidance
- The local Mitigation Plan Review Crosswalk Comments & Recommendations received January 6, 2012.
- The 2015 State of Ohio Mitigation Plan Review Guide
- Available planning documents from County and Local Municipalities

The MCHMC completed and reviewed draft sections of the Plan and developed the mitigation strategy for the 2017 Plan update process as outlined below:

1A: Review of Initial Planning Process:

Note: The Miami County Hazard Mitigation Committee have annually and continues to use the 2012 Mitigation Plan along with yearly updates as a "Living Document" with changes being made as needed on a continual basis.

- The Committee recommended minor revisions to be made to the community profile.
- The Committee Reviewed and re-evaluated hazards to determine if there
 were any changes to be made or additional hazards that need to be added.
 The committee unanimously agreed the current listed hazards would
 stand. (No additions or deletions).
- Reviewed the following referenced Plans to ensure coordination with other Agencies:
 - Miami County Emergency Operations Plan.
 - Miami County Comprehensive Plan, Zoning Plans, and Capital Improvement Plans.
 - > Review and inclusion of current countywide Floodplain Maps.
 - > Review of State Mitigation Planning Documents.
 - Coordination with other County and Community Agencies' and Communities progress with mitigation activity including the Bike Path Task Force, Miami County Parks, Miami County Board of Health, Miami County Engineer and Miami Conservancy District to make sure future planning for Miami County is all aligned.

1B: New Planning Documents:

New Planning Documents updated or adopted since the previous FEMA Plan Approval include:

- Miami County Emergency Operations Plan Update (nearly complete).
- 2016 City of Tipp City Comprehensive Plan.
- 2011 FEMA Discovery Report.
- City of Piqua Emergency Action Plan for Swift Run Lake, Echo Lake and Franz Pond Dams and Hydraulic Canal Levee. Prepared December 2014 and updated May 2016.
- City of Piqua Subsurface Exploration & Analysis for Dams July 2014.
- City of Piqua Source Water Assessment & Protection Plan March 2011.
- Miami County Flood Damage Reduction Resolution April 19, 2011.
- Miami County Solid Waste Management Plan 2016-2030. Prepared by GT Consultants, March 3, 2015.
- Northern Miami County Trail System March 14, 2017.
- Draft Troy Downtown Riverfront Development Study June 12, 2017.

2: Review of Risk Assessment Strategy Section:

- Determine if there is missing data or if more data is needed for future plan updates.
- Determine if change of conditions over the past five years warrants change of hazard priorities.
- Determine if other hazards should be added and profiled.
- Update last five years of weather history.
- Review repetitive losses and participating NFIP communities for the county.
- Updated general plan content where warranted.
- Update hazard maps where warranted.

3: Re-assessment of Hazard Vulnerability:

- Discuss what new events have occurred in the past five years and what new problems have come up.
- Discussion on what has changed since 2012 Plan Approval.
- Re-evaluated vulnerability of the hazards that can affect the County.
- Identify and incorporate the changes into the updated Plan.
- Analyze probability of future events.
- Re-evaluated, discussed and updated County development trends.

4: Review of 2012 Plan Goals and Objectives:

- Discussion on what has changed in the last five years that may have affected vulnerability issues.
- Addressed needed changes in goals and objectives.

- Identified and discussed new problems.
- Review progress of current action items and classify as completed, deferred, deleted, new, unchanged or ongoing.
- Verify if current strategy goals and objectives are accurate or if need revised.
- Identified new action items.
- Task out action items for high priority projects.

5: Evaluate Plan Maintenance Process:

- Continuance of the process of making the mitigation planning a countywide collaborative effort. This currently is done by Miami County Hazard Mitigation Committee on an annual basis.
- Foster Cooperative Relationships.
- Update the detail process on how the local government will incorporate the mitigation strategy into other planning mechanisms.
- Reviewed and modified process as necessary to continue public participation in the Plan, especially with newer technology methods of the Internet, Websites, Facebook, Twitter, etc.
- Focus on Plan implementation with the means and ability to adapt to changing conditions and prepare, withstand and rapidly recover from disruptions caused by a hazard.
- Identify tools and approaches that enable decision making to reduce risk and increase resilience from a changing climate.

6: Draft a Revised Plan Document:

- Reviewed by stakeholders.
- Modifications as recommended by stakeholders.
- Modifications as recommended by the public.

7: Plan Adoption:

- Reviews by State Emergency Management Agency, Federal Emergency Management Agency, & FEMA.
- Make recommended revisions as requested by State EMA and FEMA.
- Formal adoption by the Miami County Board of Commissioners and all participating communities.

Every Miami Hazard Mitigation Committee member significantly contributed to this Plan update. Some examples of how each mitigation committee member contributed to the success of the planning process are as follows:

- Dan Suerdieck of Miami County Planning and Zoning provided updated county map bases, planning documents, and general planning information.
- Kenneth Artz, Jim Bowell, and Art Blackmore of the Miami County EMA provided invaluable information on the emergency operations of the county; past event history; and a summation of current technology updates throughout the county as it relates to emergency response; and provided community meeting space.
- Former member, Robert Shook, Citizen-At-Large, deceased former Concord Township Trustee Miami Valley Regional Planning Commission member, has been

invaluable in helping to set up a network of coordinating organizations, seeking matching funding for both past, current and future mitigation projects. Mr. Shook was an ardent leader in assisting to secure funding for purchase of green space along the Miami County rivers and streams to preserve for wildlife and for recreation purposes. With the passing of Mr. Shook in March 2017, the Miami County Mitigation Committee experienced a huge loss.

- Commissioner John F. Evans has been an active participant and promoter of the mitigation process throughout the county to advocate participation by all Miami County communities and numerous county agencies, and facilitated use of Safety Building for public meetings.
- Mr. Paul Huelskamp, Chairperson and County Engineer, provided important facts and countywide dates for much of the infrastructure systems throughout the county and assisted in helping prioritize mitigation actions within the plan.
- Mr. Scott Moyer and Ms. Amber Neal, Miami County Auditor's office have provided valuable information on the value of properties and information on commercial, residential, agricultural and industrial properties.
- Amy Havenar, Piqua City Engineer, provided updates and reports on inundation study and of the city's 3 class one dams and other valuable information for the City of Piqua.
- The entire Mitigation Committee has been supportive in many similar ways and they have volunteered their time and talents to provide leadership in the mitigation process for Miami County. Their actions have led to the completion of numerous mitigation activities as well as the promotion of the continuous countywide mitigation planning efforts.

The MCHMC reviewed many existing planning documents, studies reports, and technical information to determine if all of the previous plan referenced documents are still pertinent and have made suggested changes and have added new documents and planning mechanisms to update the plan.

Community Plans

A summary of the known community documents to be incorporated included those shown in the following table:

Municipality Name	Population	Planning Commission	Zoning	Comprehensive Plans	Flood Plain Ordinance	Building Code - Residential	Building Code - Commercial	NFIP Participation	5 Year Capital Improvement Plan	Downtown Architectural Review District
Piqua	20,790	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
Tipp City	9,899	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
Troy	25,659		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
Bradford (part)	1,094		Χ			Χ	Χ			
Casstown	271		Χ			Χ	Χ			
Covington	2,625	Χ	Χ		Χ	Χ	Χ	Χ		Χ
Fletcher	480		Χ		Χ	Χ	Χ	Χ		
Laura	469		Χ			Χ	Χ	Χ		
Ludlow Falls	211		Χ			Χ	Χ	Χ		
Pleasant Hill	1,219	Χ	Χ			Χ	Χ			
Potsdam***	293									
West Milton	4,714	Χ	Χ	Χ*	Χ	Χ	Χ	Χ		
Huber Heights (part)	984	Χ	Χ		Χ	Χ	Χ		Χ	
Unincorporated areas of Miami County including all townships	35,492	Х	Χ	X**	Χ	X	Х	Χ	Х	N/A

104,200

County or Plans referenced and to be a part of the Plan include:

- 2011 Miami County FIRM Maps. (New 2017 Updates currently in process)
- Miami County Comprehensive Plan

^{*} West Milton - Union Township Comprehensive Plan

^{**} Bethel Township has own Comprehensive Plan

^{***}Potsdam does not participate under the jurisdiction of the Miami County Building Department.

B. REVIEW OF REFERENCED PLANS

2016-2017 Review of Current Plan Study's

What has been updated:

1a: Review of existing referenced Plans to ensure coordination with other Agencies:

- ➤ Current Miami County Action Item list from 2016.
- Miami County Emergency Operations Plan. (New updated plan in process)
- ➤ Miami County Comprehensive Plan, Zoning Plans, and Capital Improvement Plans.
- ➤ New 2016 City of Tipp City Comprehensive Plan.
- ➤ Inclusion on updated countywide Floodplain Maps. (New updates are in process)
- > State Mitigation Planning Documents.
- ➤ Coordination with other County Agencies' progress with mitigation activity including the Bike Path Task Force, Miami County Parks, Miami County Board of Health, and Miami County Engineer to make sure future planning for Miami County is all aligned.
- ➤ Coordination of City/Village Plan Documents. Including new 2016 update of the City of Tipp City Comprehensive Plan.
- > Coordinate with City of Piqua new:
 - 2011 FEMA Discovery Report for Upper Great Miami County Watershed June 2011.
 - Miami County Flood Damage Reduction Resolution April 19, 2011.
 - City of Piqua Emergency Action Plan for Swift Run Lake, Echo Lake & Franz Pod Dams & Hydraulic Canal Levee. Prepared December 2014, Revised May 2016.
 - City of Piqua Subsurface Exploration & Analysis for Dams July 2014.
 - City of Piqua Source Water Assessment & Protection Plan March 2011.
 - Miami County Solid Waste Plan.
 - Northern Miami County Trail System Plan March 2017.

1.3 Planning Committee

The Miami County Hazard Mitigation Planning Committee held seven public meetings from November 2016 through May 2017 to guide and participate in the 2011 planning update process of the Miami County Hazard Mitigation Plan. The Committee consists of representatives from the following public and private sectors of Miami County.

- Miami County Auditor's Office
- Miami County Emergency Management Agency
- Miami County Public Health Agency
- Miami County Engineering Department
- Miami County Planning and Zoning
- Miami County Board of Commissioners
- Miami Conservancy District
- Miami County Economic/Community Development
- Miami County Park District
- Miami County Sheriff's Office
- Northern Miami Valley Red Cross
- Miami County Newspaper/Media Representative
- Citizens-at-Large
- City of Troy Mayor and Project Director
- Miami County Township Trustees
- Piqua Fire Department
- West Milton Public Works
- Covington Village Administrator
- City of Piqua Wastewater Plant
- City of Tipp City EMS

The Cities of Piqua, Tipp City and Troy; Board of Miami County Commissioners; and numerous villages had representatives or public officials present and participating on the Miami County Hazard Mitigation Planning Committee. In addition, participation from all smaller villages and communities were documented by:

- Responses received from email requests sent to each community mayor, clerk, or village administrator.
- Providing community action item update responses returned to the Miami County EMA.
- Receipt of updated community information provided by local fire department personnel, volunteers, or village officials.
- Participation by volunteers from the communities attending hazard mitigation meetings and special public meetings.
- Participation from Miami County Planning and Zoning.

Attached is the 2017 Miami County Hazard Mitigation team roster. Copies of the community documentation can be found in the Appendix.

	MIAMI COUNTY HAZARD	MITIGA' pril 24, 20		TEAM R	OSTER
	713 0171	prii 2 1, 20			
Name	Agency	Phone	Ext.	Fax	E-mail
Artz, Ken	Miami County EMA	332-8560		440-9004	kartz@miamicountyema.org
Beamish, Michael	Mayor, City of Troy	339-1221		339-8601	mayor.beamish@troyohio.gov
Bednar, Nate	Miami Co. Public Health	473-3470			administrator@covington-oh.gov
Blackmore, Art	Miami Co. EMA				ablackmore@miamicountyema.org
Bowell, Jim	Miami County EMA	332-8562			jbowell@miamicountyema.org
Busse, Michael	Covington Village Administrator	473-3420	29	473-3853	administrator@covington-oh.gov
Calicoat, Jeff	Chief, Tipp City EMS	313-5788			jcalicoat@me.com
Earl, Randy	American Red Cross	332-1065		332-1441	Randy.Earl@Redcross.org
Cox, Phil	Monroe Township Trustee	667-4716		667-3136	monroetwp@woh.rr.com
Evans, John (Jack)	Miami County Commissioner	440-5910		440-5911	jevans@co.miami.oh.us
Graeser, Bob	City of Piqua	778-2004			bgraeser@piquaoh.org
Havenar, Amy	Piqua City Engineer	778-2044		778-5165	ahavenar@piquaoh.org
Henderson, Michael	Mote & Associates, Inc.	548-7511		548-7484	mhenders on @ moteas sociates.com
Herron, Ben	West Milton Public Works	698-1500	116	698-3900	herron@ci.west-milton.oh.us
Huelskamp, Paul	Miami County Engineering	440-5656		440-5659	phuelskamp@co.miami.oh.us
Kegley, Stan	City of Troy Project Manager	335-1725		339-8601	stan.kegley@troyohio.gov
Looker, Rick	Bradford Village Administrator	448-2718		448-0221	rlooker@bradfordoh.com
Mercer, Tom	Concord Township Trustees	308-2591		332-1828	tmercer2625@gmail.com
Moyer, Scott	Miami County Auditor	440-5931			Smoyer@MiamiCountyOhio.gov
Myers, Scott	Miami County Park District	335-6273		335-6221	smyers@miamicountyparks.com
Neal, Amber	Miami County Auditor	440-3563			aneal@miamicountyohio.gov
Pence, Don	Concord Township Trustees				dpence@woh.rr.com
Pohlscheider, Brent	Piqua Fire Department	778-2013			bpohlschneider@piquaoh.org
Propes, Dennis	Miami County Public Health	573-3505		573-3501	dpropes@miamicountyhealth.net
Puskas, Barry	Miami Conservancy District	223-1278	3243	223-4730	bpuskas@miamiconservancy.org
Open Seat	Citizen-At-Large				
Suerdieck, Dan	Miami Co. Planning/Zoning Manager	440-8111		440-8124	dsuerdieck@co.miami.oh.us
Thompson, Corey	Miami County Engineer's Office	440-5656			cjthompson@miamicounty.org
Vallieu, Melody	Troy Daily News	440-5265			mvallieu@civitasmedia.com

1.4 Plan Adoption by the Board of County Commissioners

- City of Piqua
- City of Tipp City
- City of Troy
- Village of Bradford
- Village of Casstown
- Village of Covington
- Village of Fletcher
- Village of Laura
- Village of Ludlow Falls
- Village of Pleasant Hill
- Village of Potsdam
- Village of West Milton
- Miami County Board of Commissioners Unincorporated areas of Miami County

A RESOLUTION ADOPTING THE MIAMI COUNTY MULTI-JURISDICTIONAL HAZARD MITIGATION 5 -YEAR PLAN UPDATE

- City of Piqua
- City of Tipp City
- City of Troy
- Village of Bradford
- Village of Casstown
- Village of Covington
- Village of Fletcher
- Village of Laura
- Village of Ludlow Falls
- Village of Pleasant Hill
- Village of Potsdam
- Village of West Milton
- Miami County Board of Commissioners Unincorporated areas of Miami County

RESOLUTION #

ADOPT MIAMI COUNTY EMA MITIGATION PLAN – 5 YEAR UPDATE EMERGENCY MANAGEMENT AGENCY

moved and seconded the motion to edent the Mismi
moved and seconded the motion to adopt the Miami County EMA Mitigation Plan – 5 Year Update, dated, prepared by Mote & Associates, Inc. Greenville, Ohio, as requested by the Emergency Management Agency Director, Kenneth Artz. The plan has been reviewed by the Ohio EMA (see attached letter), as well as FEMA. Said Mitigation Plan is on file in the Miami County Commissioners' Office.
The Board voted as follows upon roll call:
DATED:
CERTIFICATION
I,, Clerk to the Board of Miami County Commissioners, do hereby certify that this is a true and correct transcript of action taken by the board under the date of, 20

Clerk

CITY OF	RESOLUTION #						
	ticipation in a Multi-Jurisdictional Hazard Mitigation County Emergency Management Agency.						
Board of Commissioners of	exists between the City of, Ohio and the County, Ohio, an agreement that the County Agency shall provide emergency management for wide coordinated program, and						
County Emergency Management Ag Mitigation Plan that includes all haza	untywide coordinated program,ency has developed a Multi-Jurisdictional Hazard ards to which County and its Section 322 of the Robert T. Stafford Disaster Relief						
	es and strategies to mitigate against the hazards that ncluding the City of, have been						
WHEREAS, mitigation mea analyzed and prioritized, and	sures for the City and surrounding areas have been						
WHEREAS,	County stakeholders have reviewed the Multi- n.						
	OLVED BY THE COUNCIL OF THE CITY OF, STATE OF OHIO:						
the County Multi-Jur	pts and plans to implement the actions prescribed in isdictional Hazard Mitigation Plan which is on file in County Emergency Management Agency. nediately.						
PASSED (Date)	SIGNED President of Council						
ATTEST Clerk of Council	APPROVED						
APPROVED AS TO FORM:	(Name) Law Director City of, Ohio						

VILLAGE OF RESOLUTION #								
	ticipation in a Multi-Jurisdictional Hazard Mitigation County Emergency Management Agency.							
the Board of Commissioners ofCounty through its Emergency Mana	exists between the Village of, Ohio and County, Ohio, an agreement that the agement Agency shall provide emergency tion with a countywide coordinated program, and							
County Emergency Management Ag Mitigation Plan that includes all haz	ency has developed a Multi-Jurisdictional Hazard ards to which County and its Section 322 of the Robert T. Stafford Disaster Relief							
	es and strategies to mitigate against the hazards that ncluding the Village of, have been							
WHEREAS, mitigation mea been analyzed and prioritized, and	sures for the Village and surrounding areas have							
WHEREAS,	County stakeholders have reviewed the Multi- n.							
	OLVED BY THE COUNCIL OF THE VILLAGE, STATE OF OHIO:							
the County Multi-Jun	pts and plans to implement the actions prescribed in risdictional Hazard Mitigation Plan which is on file in County Emergency Management Agency. mediately.							
PASSED (Date)	SIGNED President of Council							
ATTEST Clerk of Council	APPROVED							
APPROVED AS TO FORM:	(Name) Law Director City of, Ohio							

1.5 Plan Adoption

Adoption by Multi-Jurisdictional

It is anticipated the following public entities will adopt the final FEMA approved 5-Year Plan Update for the Miami County Multi-Jurisdiction Hazard Mitigation Plan.

Multi-Jurisdictional Plan Participation Miami County, Ohio

Participating Jurisdiction	2006 Plan		2011 Plan		2017 Plan		Date of Adoption
Incorporated Areas	Yes	No	Yes	No	Yes	No	
Village of Bradford	X		Χ				
Village of Casstown	Х			Χ			
Village of Covington	Х		Х				
Village of Fletcher	Х		Х				
Village of Laura	Х		Х				
Village of Ludlow Falls	Х		Х	Χ			
City of Piqua	Х		Х				
Village of Pleasant Hill	Х		Х				
Village of Potsdam	Х		Х				
City of Tipp City	Х		Х				
City of Troy	Х		Х				
Village of West Milton	Х		Х				
Miami County Board of Commissioners							
Unincorporated areas of Miami County	X		Х				