

IN THE SUPREME COURT OF OHIO

LEAGUE OF WOMEN VOTERS
OF OHIO, *et al.*,

Relators,

v.

OHIO REDISTRICTING
COMMISSION, *et al.*,

Respondents.

Case No. 2021-1193

BRIA BENNETT, *et al.*,

Relators,

v.

OHIO REDISTRICTING
COMMISSION, *et al.*,

Respondents.

Case No. 2021-1198

THE OHIO ORGANIZING
COLLABORATIVE, *et al.*,

Relators,

v.

OHIO REDISTRICTING
COMMISSION, *et al.*,

Respondents.

Case No. 2021-1210

DOCUMENTS PRODUCED IN DISCOVERY — APPENDIX OF

EXHIBITS Volume 4 of 13

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**Pro Hac Vice Motion Forthcoming*

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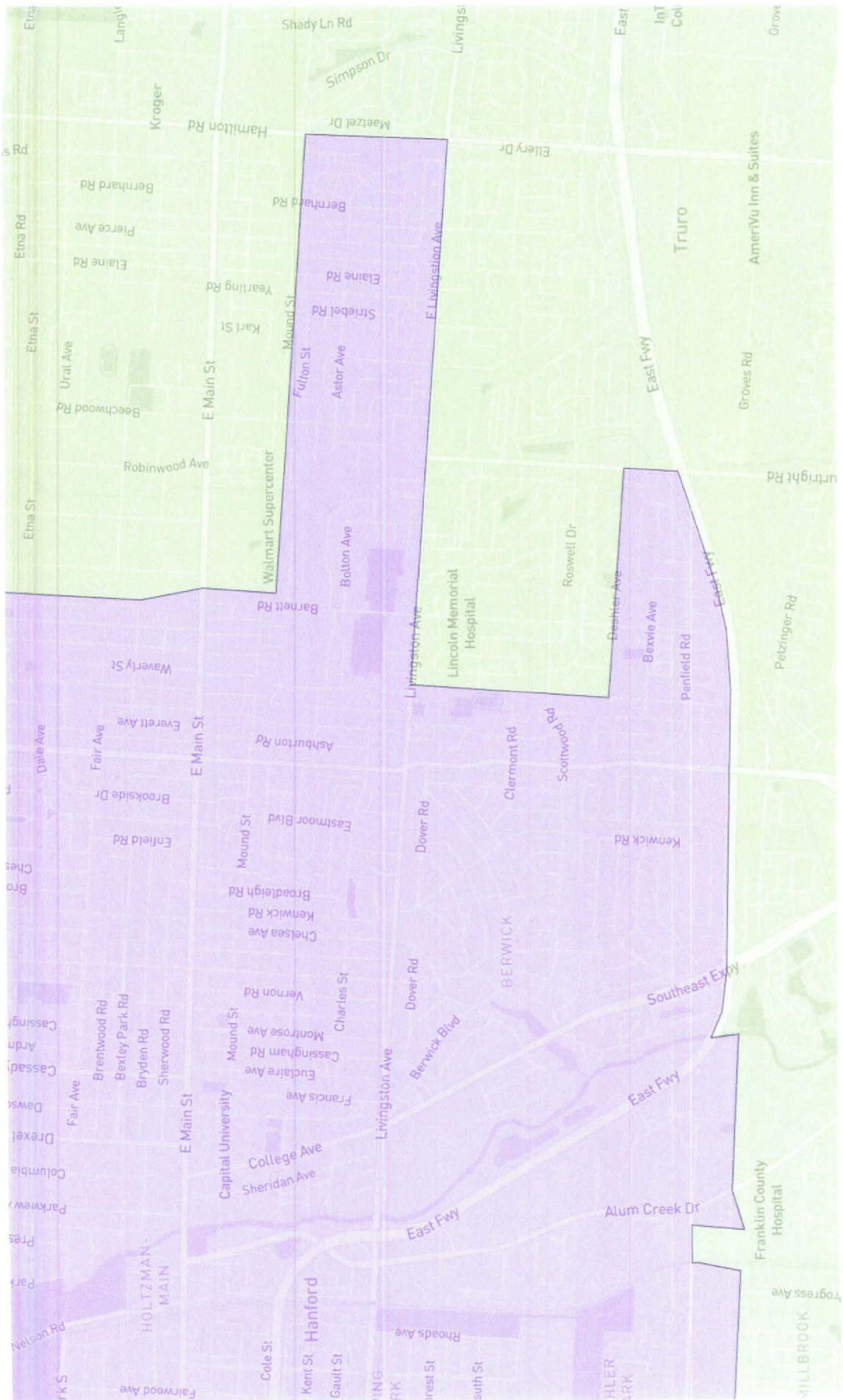
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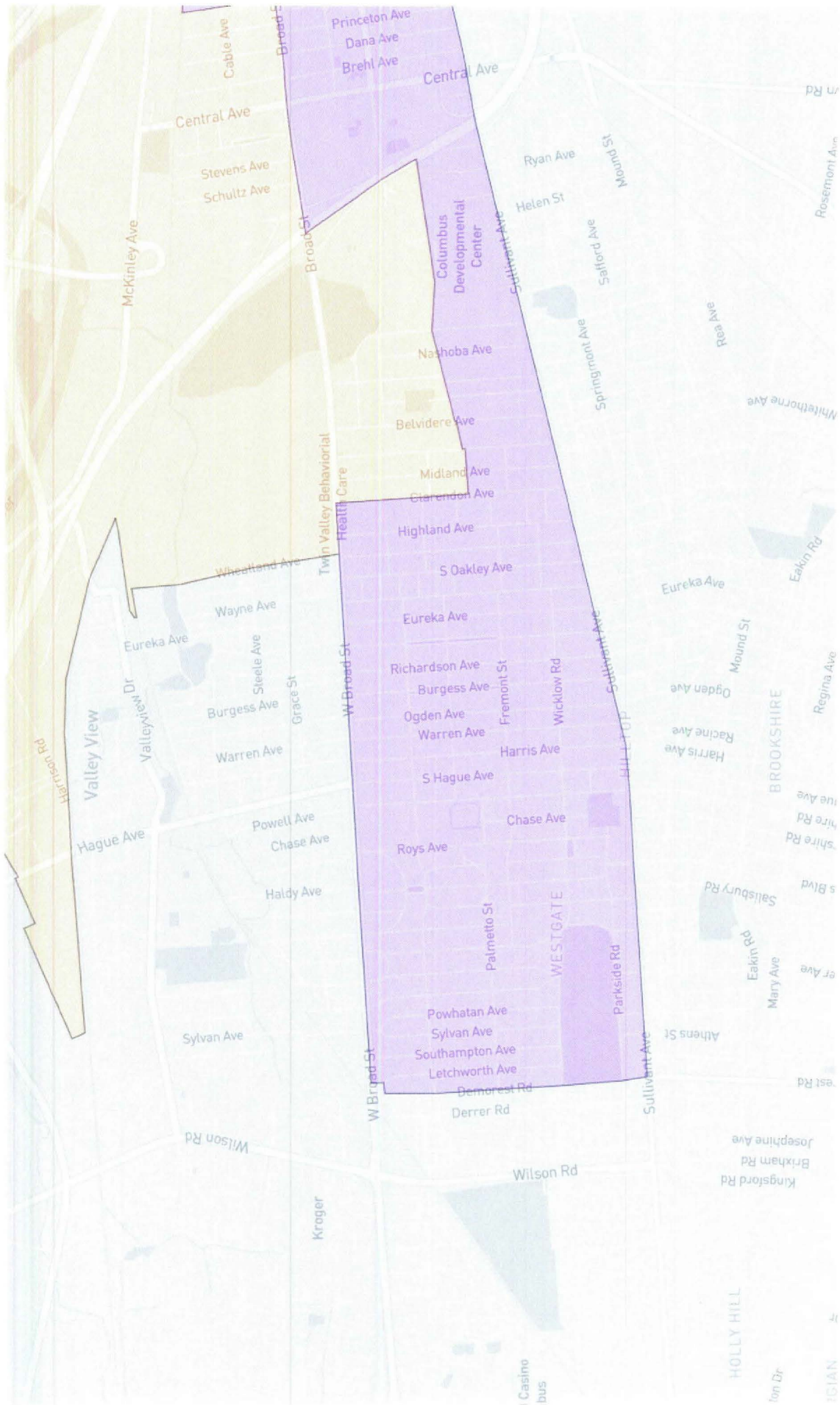
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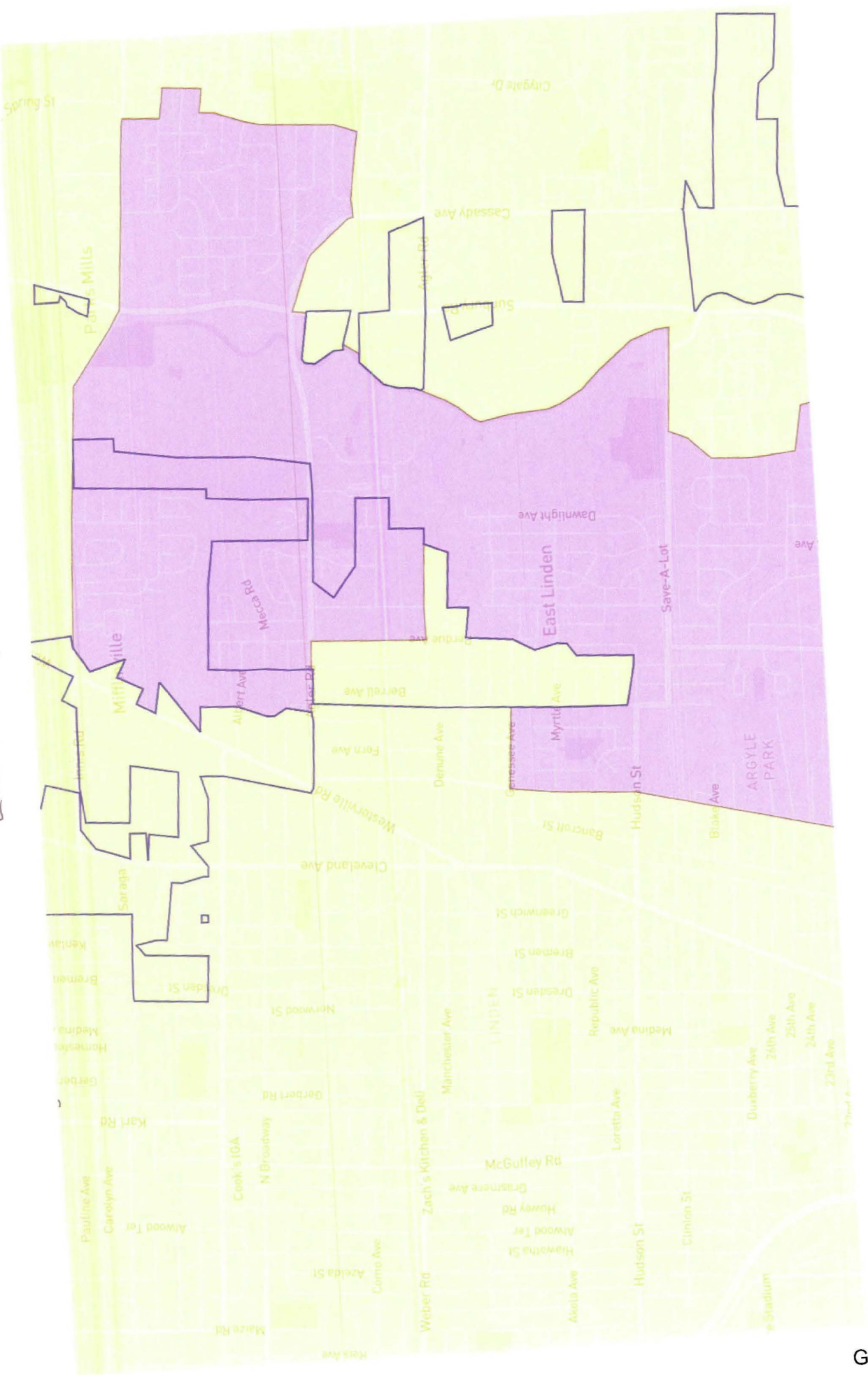
E. LIVINGSTON (600 1+2)



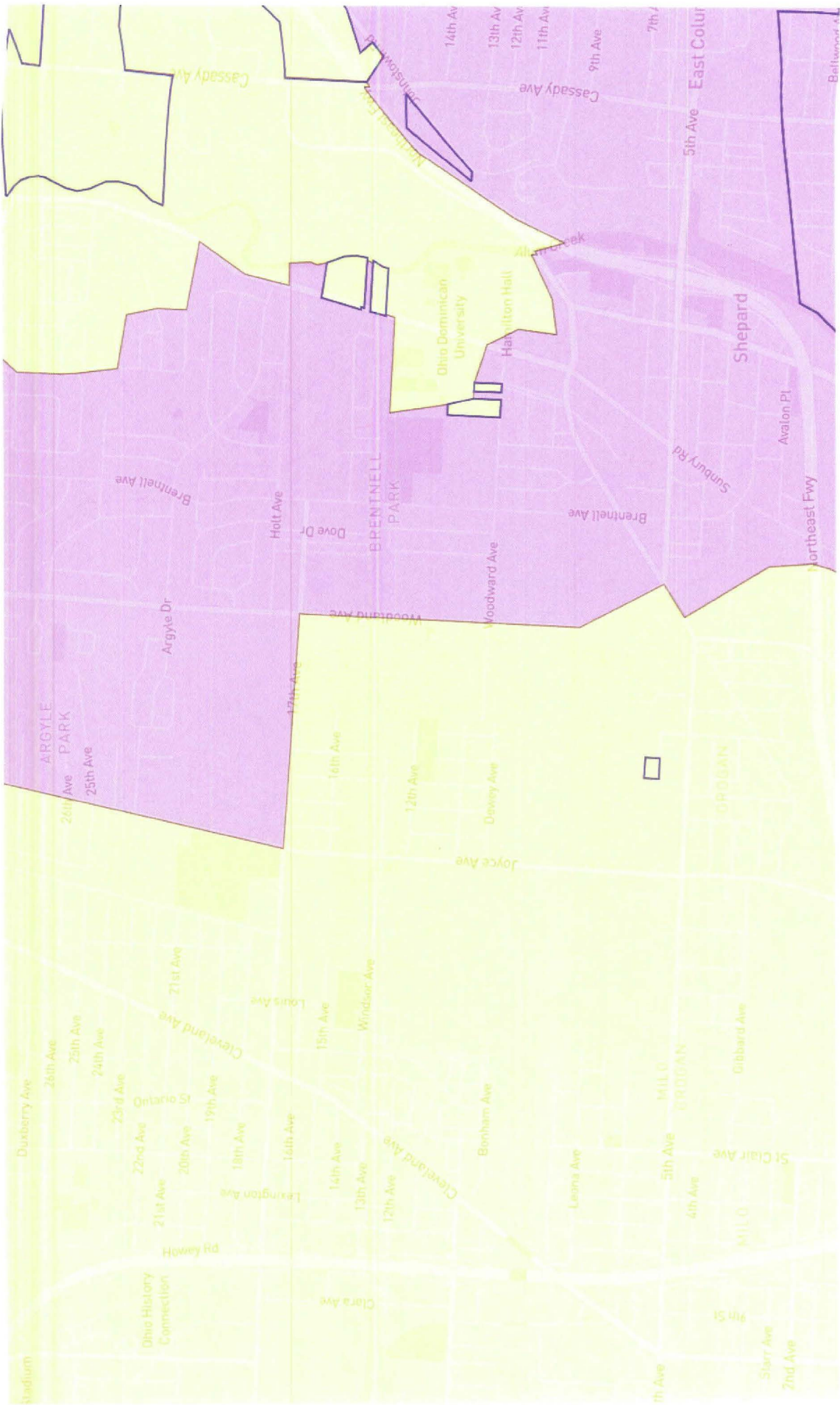
Hilltop (601 + 6)

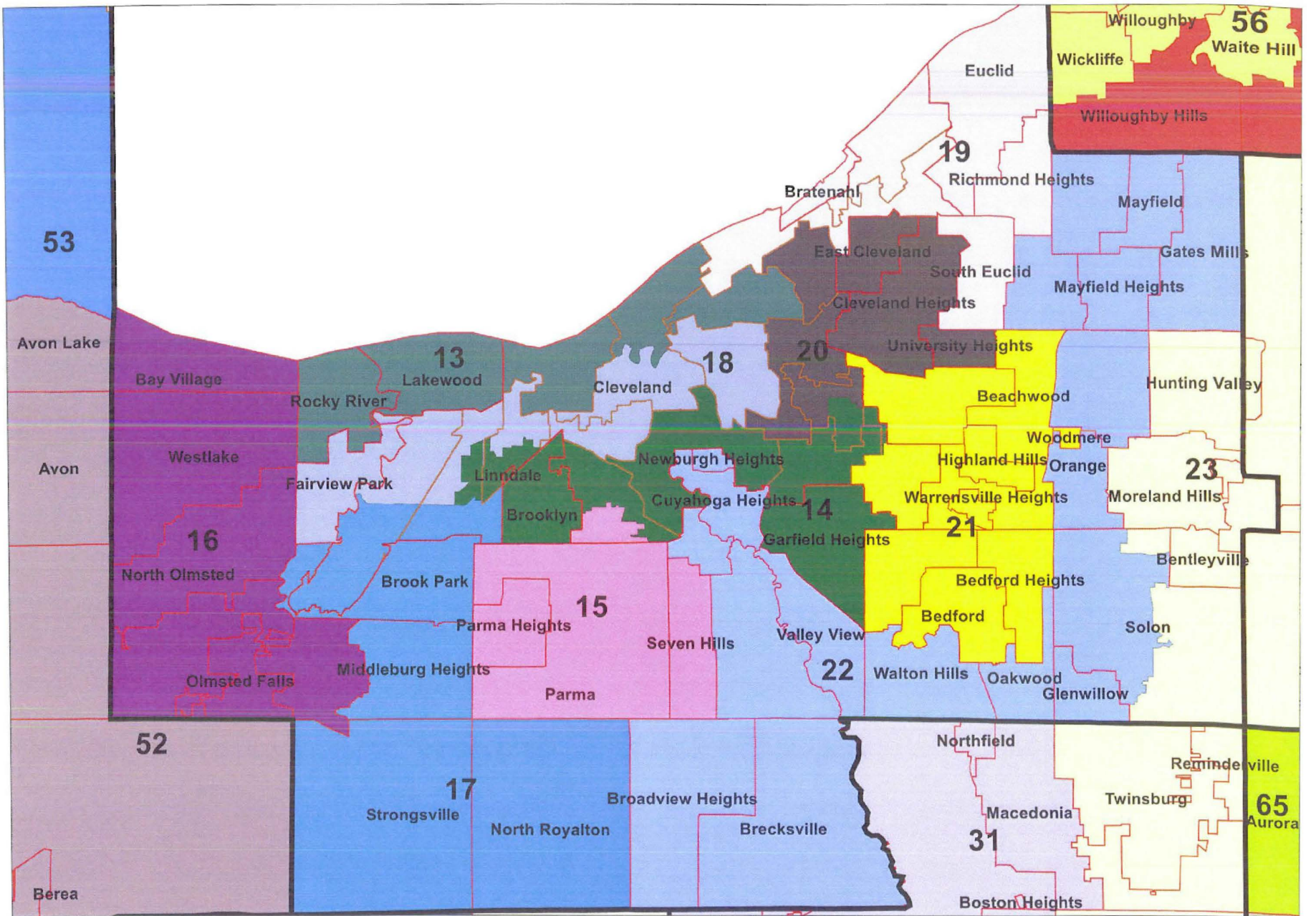


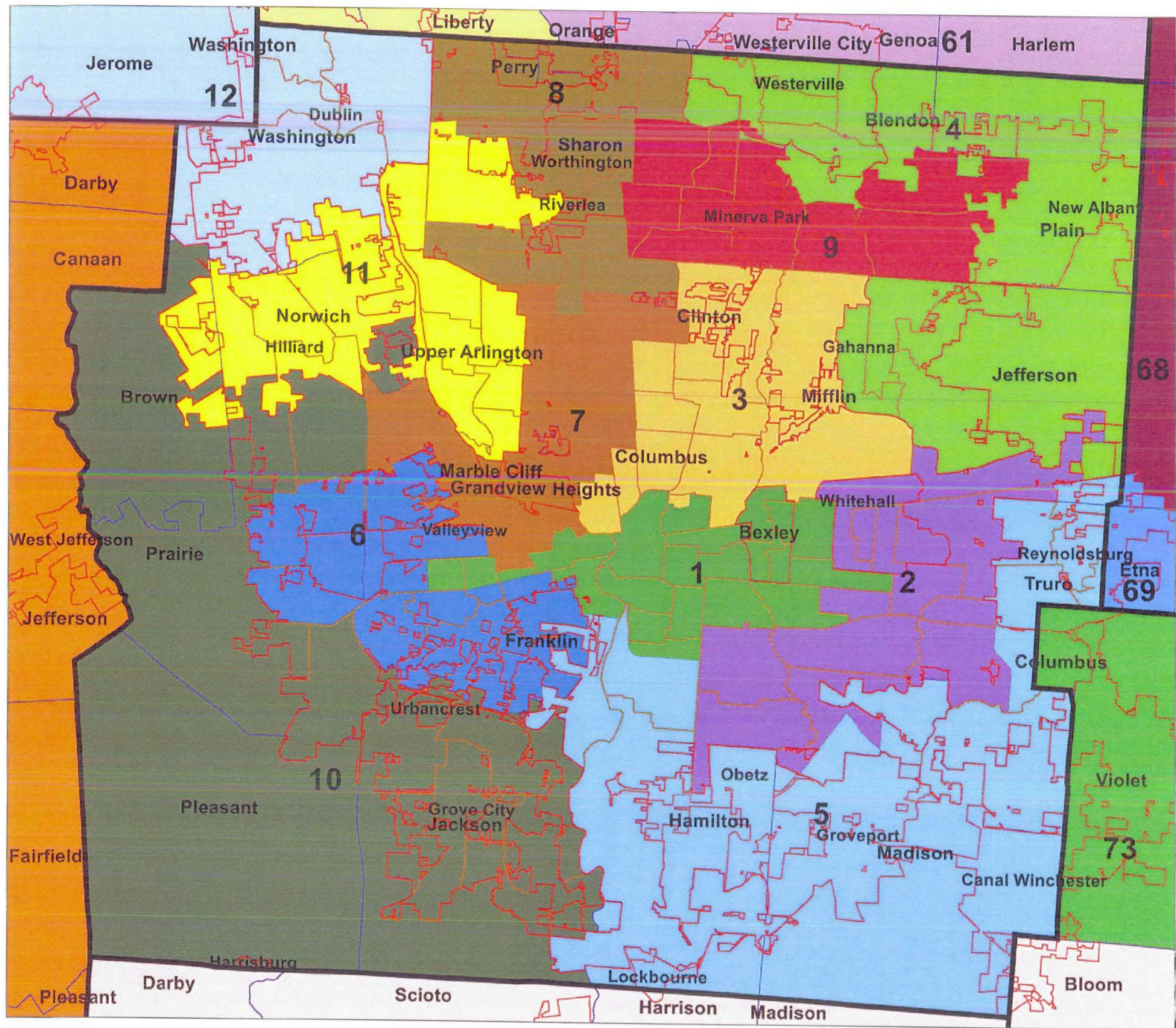
LINDEN (sykes 3+5)

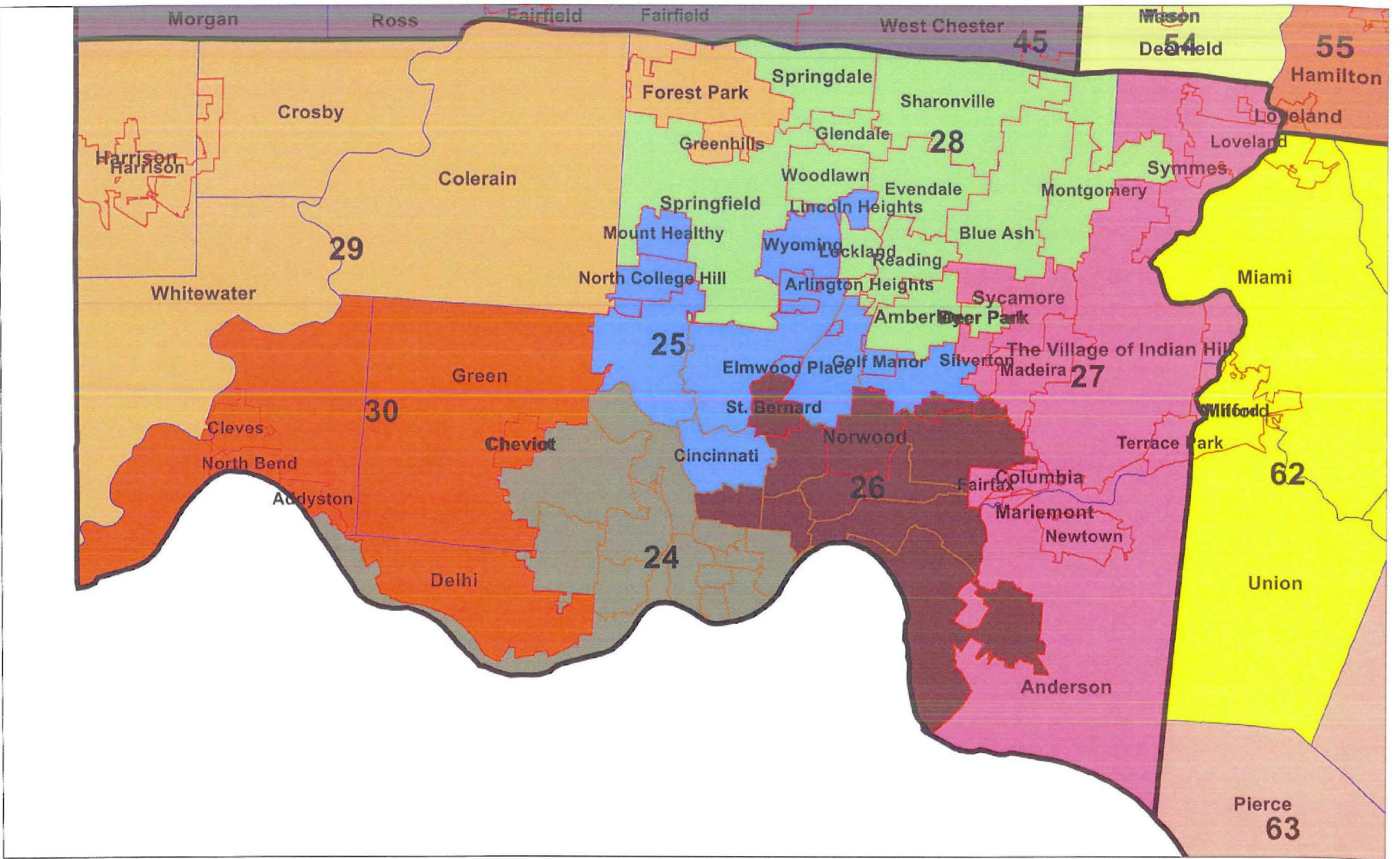


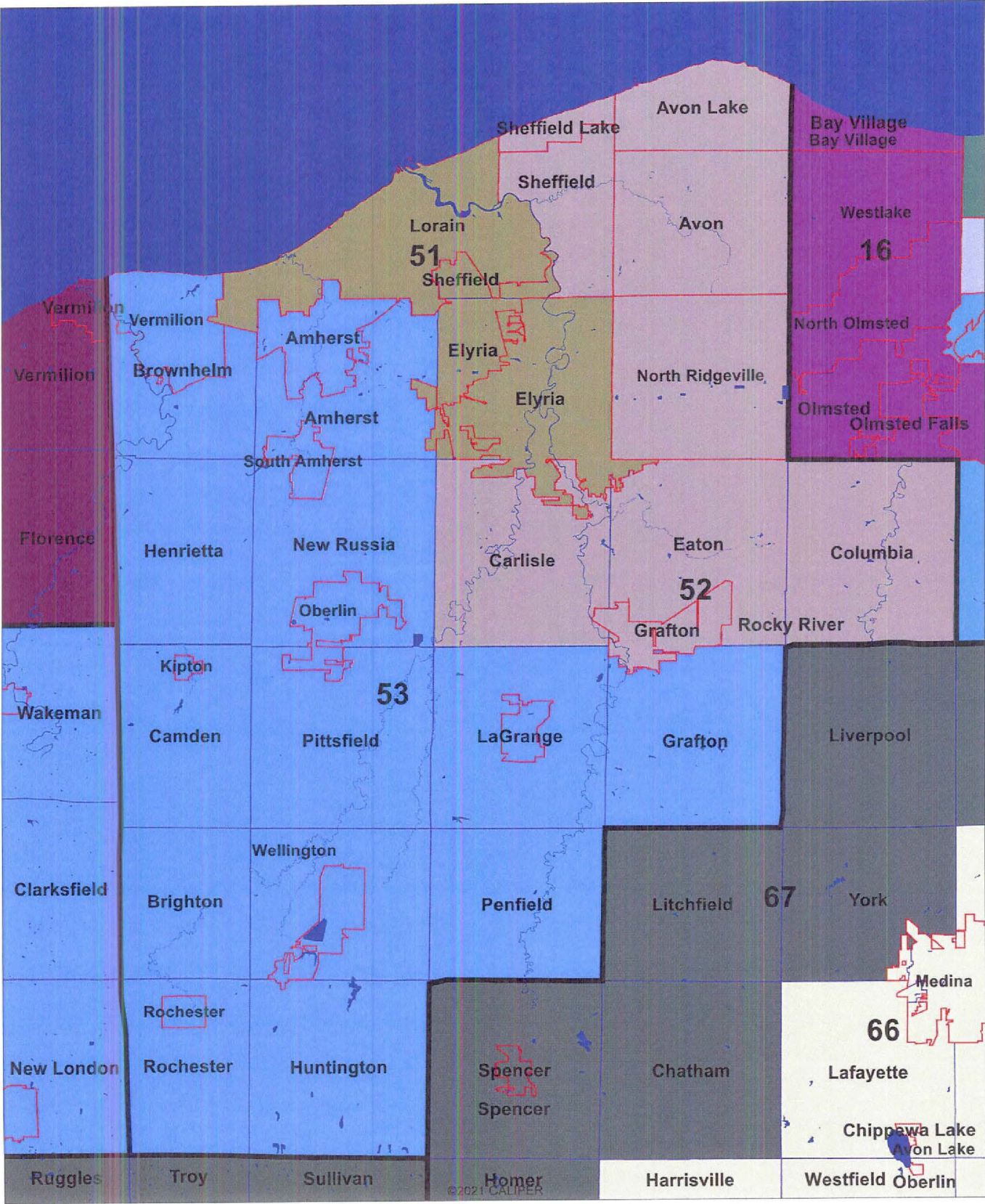
S. LINDEN (sykes 315)

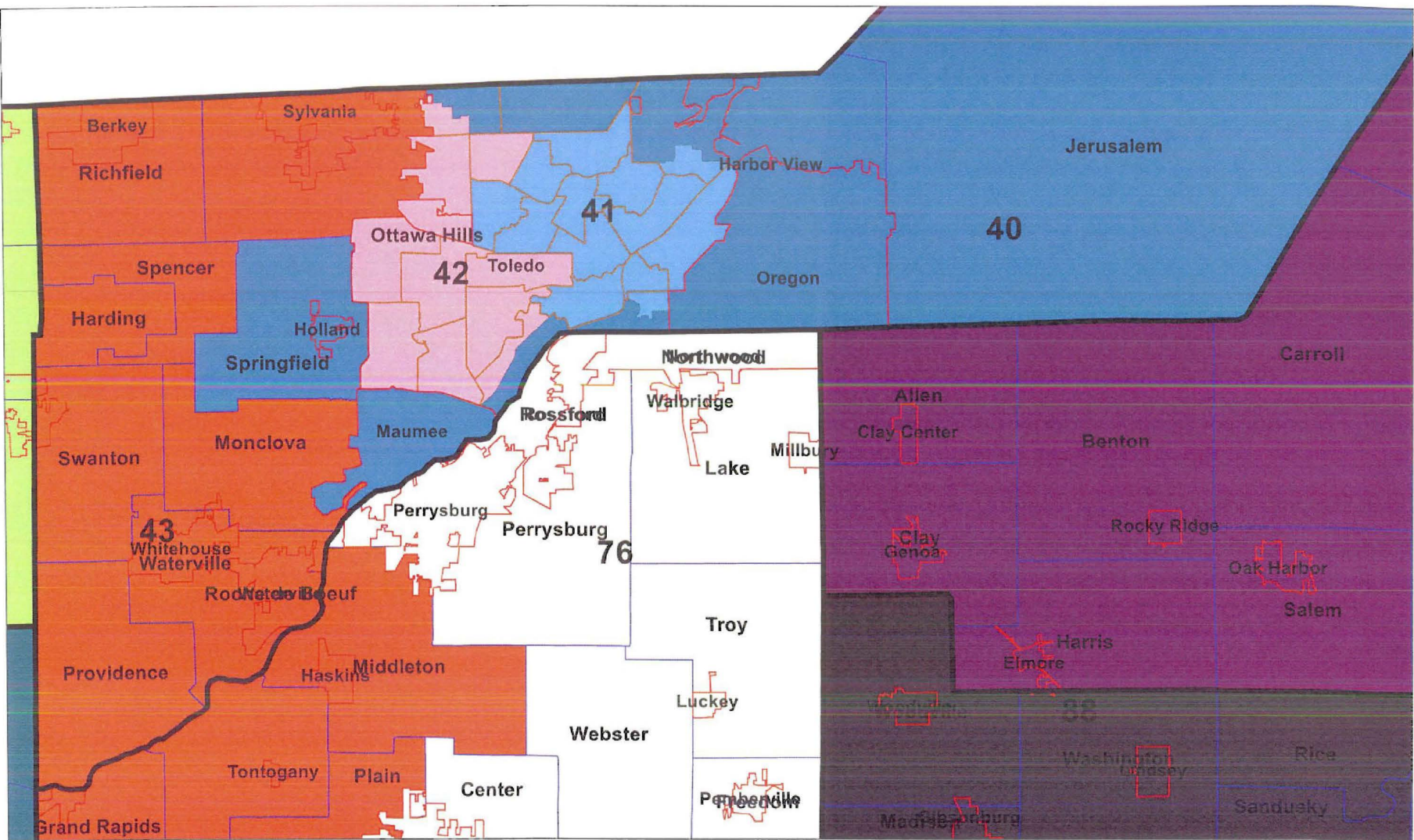


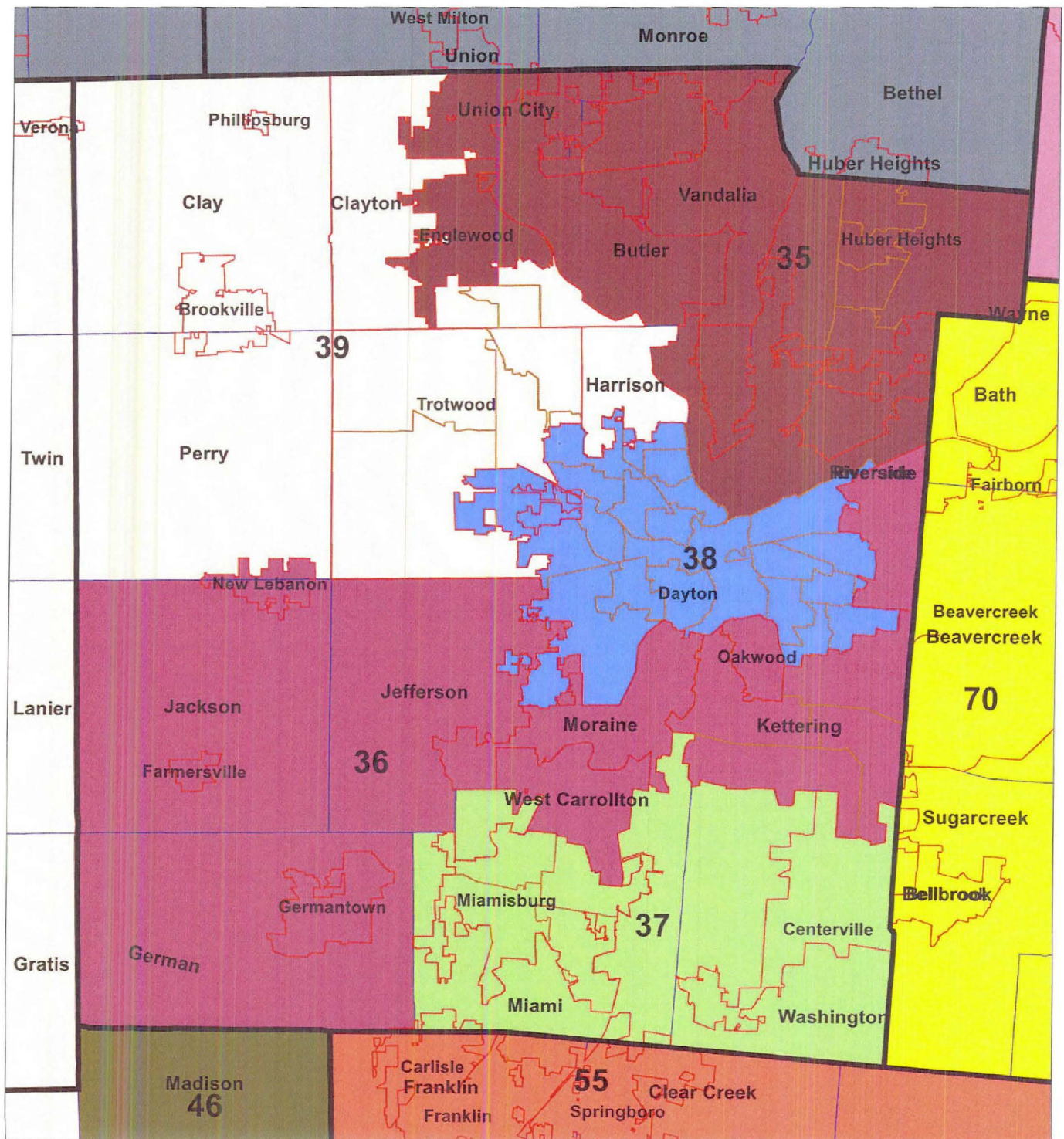


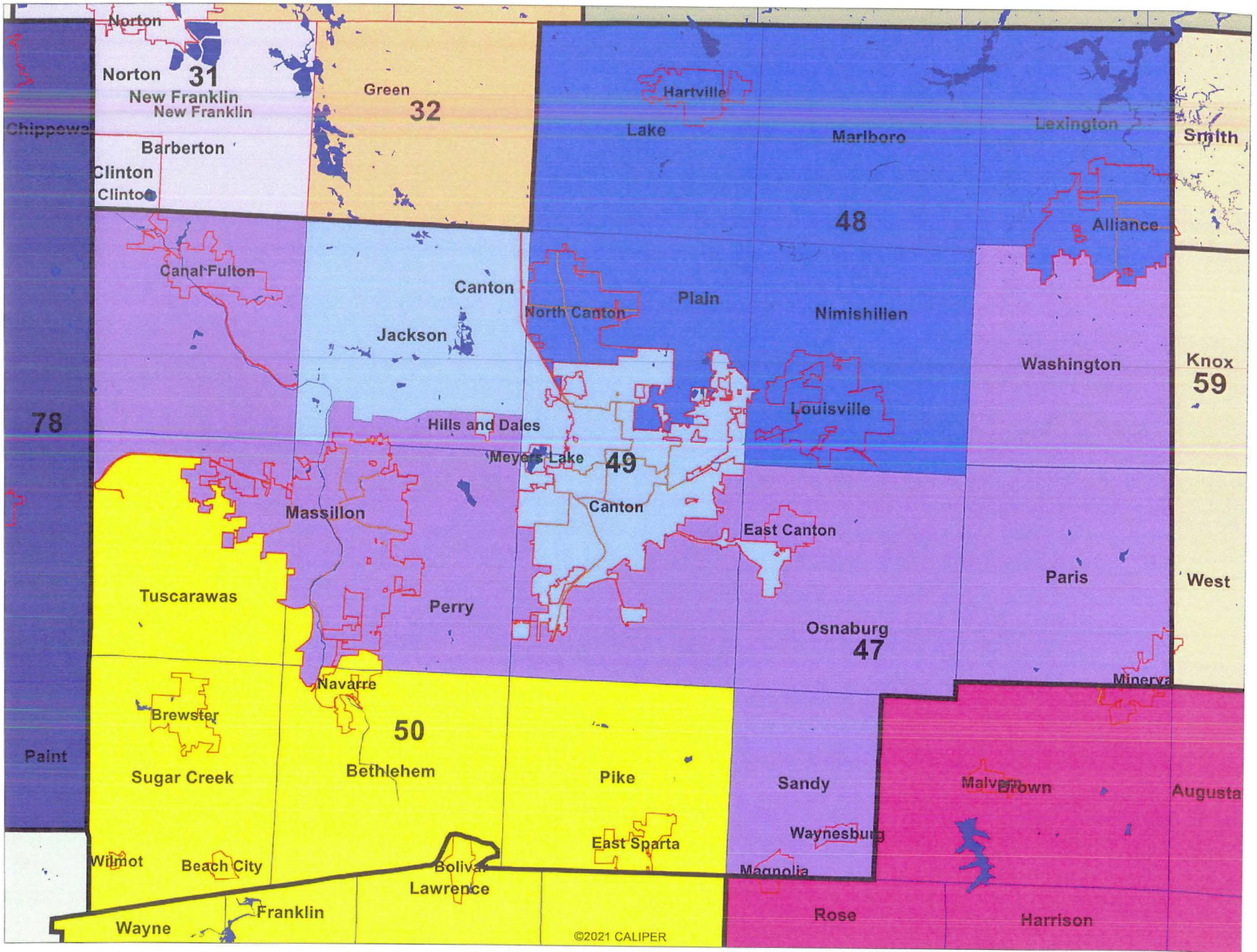


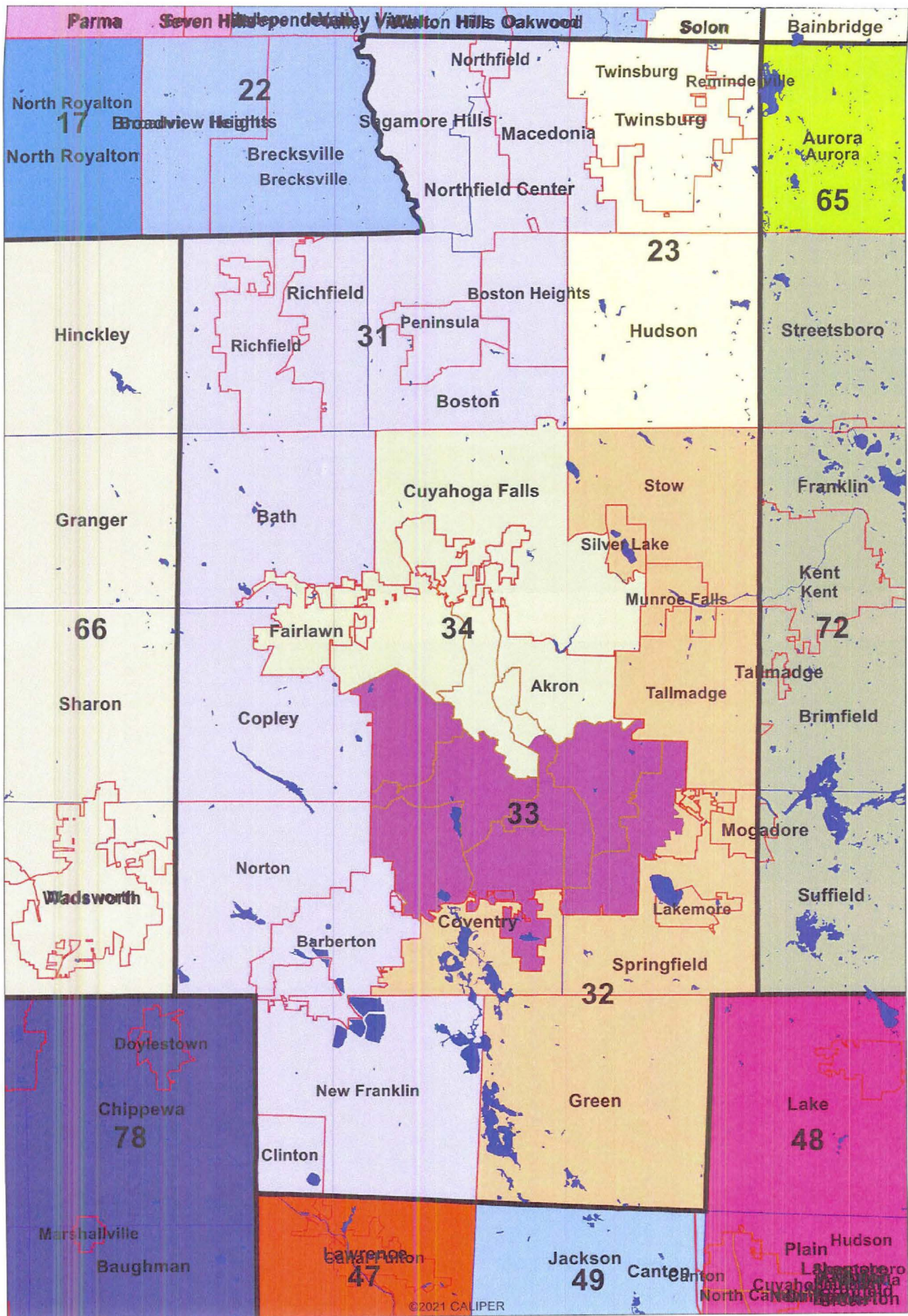












1	Nazeena	Alvi		self	
2	Dean	Barbo		self	
3	Amina	Barhumi		self	
4	Katie	Barnes		self	
5	Nick	Bates		self	
6	Cathy	Becker		self	NO
7	Lonnie	Bowling		self	
8	Rachel	Bownman		Our Future Ohio	
9	Jeniece	Brock		self	
10	Kathryn	Brown		self	
11	Phillip	Brown		self	NO
12	Maria	Bruno	Public Policy Director	Equality Ohio	
13	Akii	Butler		self	
14	Brian	Campbell		self	
15	Juliet	Cattaneo		self	
16	Susan	Cavanaugh		self	
17	Kobe	Christian		self	
18	Janet	Ciccone		self	
19	Alex	Clark		Self	NO
20	Cheryl	Claypoole-Beall		self	NO
21	Caroline	Cook		self	NO
22					
23	Terrilyn	Copeland		self	

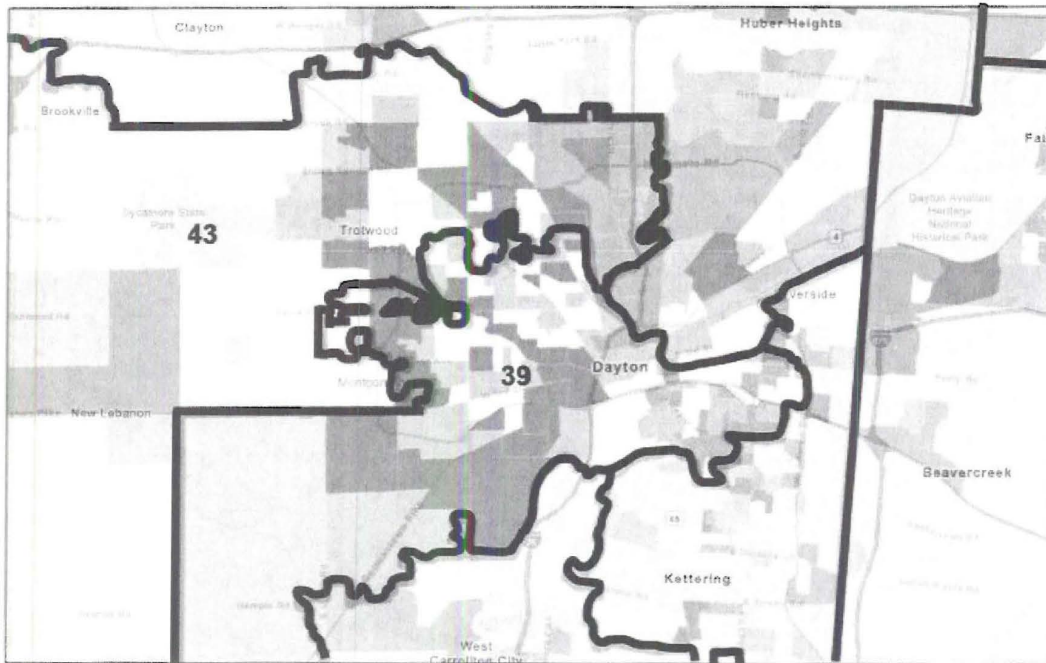
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25	Tala	Dahbour		self	NO
26	Tony	D'Ambrosio		self	
27	Scott	DiMauro	President	Ohio Education Association	
28	Mary	Earle			
29	Pamela	Easterday		self	
30	Karen	Elliott		self	
31	Kristina	English		self	
32	Josh	Flory		self	
33	Kelley	Freeman	State Field Manager	NARAL Pro-Choice Ohio	
34	Kelley	Freeman		self	
35	Ismael	Gad		self	NO
36	John	Gray		self	
37	Sam	Gresham		self	
38	Richard	Gunter		self	
39	Carolyn	Gutjahr		self	NO
40	Ruth	Hardy		self	
41	Brad	Henry		self	
42	Donna	Hermann		self	
43	Jona	Hilario		self	
44	Derrick	Holmes		self	
45	Caitlin	Johnson		Policy Matters Ohio	
46	Laura	Joseph		self	
47	Joel L.	King	Rev.	self	
48	Mitchell	Kingsley		self	
49	Michael & Connie	Kline		self	

50	Richard	Kunkel		self	
51	Mia	Lewis		self	
52	Zaiba	Malik		self	NO
53	Carolyn	Manda		self	
54	Kevin	Mayhood		self	
55	Wendy	Mizanin		self	NO
56	Greg	Moore		self	
57	Meryl	Neiman		self	
58	David	Niven		self	
59	David	Pepper		self	
60	Dawna	Peterson		self	
61	David	Pickut		self	
62	Rima	Rizek		self	
63	Tom	Roberts		self	
64	Erin	Ryan	Managing Director	Women's Public Policy Network	
65	Debra	Saunders		self	
66	Debbie	Schmieding		self	
67	Molly	Shack		self	
68	Katy	Shanahan		self	
69	Gwendolyn	Short		self	
70	Harriet	Slive		self	
71	Samina	Sohail		self	
72	Percy	Squire	Counsel <i>Clifford</i>	Armour v Ohio plaintiffs (1991) <i>778 FSop</i>	
73	K. (Cheena)	Srinivasan		self	
74	Melissa	Sull		self	
75	Paul	Szymanowski		self	

76	Chris	Tavenor		self	
77	Richard	Topper		self	
78	Louise	Valentine		self	NO
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81	Sarah	Warner		self	NO
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83	Thomas	West	President	Ohio Legislative Black Caucus	
84	Andrea	Yagoda		self	
85	Jay	Zenitsky		self	
86	Susan	Linden		self	NO
87	Ruth	Hanley			
88	Anesa	Miller			
	Chris	James			
	Shawn	Kim			
	Jeff	Severin			
	Steph	Stell			

michi about - that the Common
 - Tim Chan Disposal (GA)
 Votes Citizen of Ohio
 - LIZ Voters - big Rissel by Republic - Democrat Proposal map
 (8.11.11 map)
 Bidding - lowest sure until Blue
 Some citizen maps
 - Dan Roberts - Non-Peterson
 - Dan Roberts - Sykes Family Person

Cancer Risk

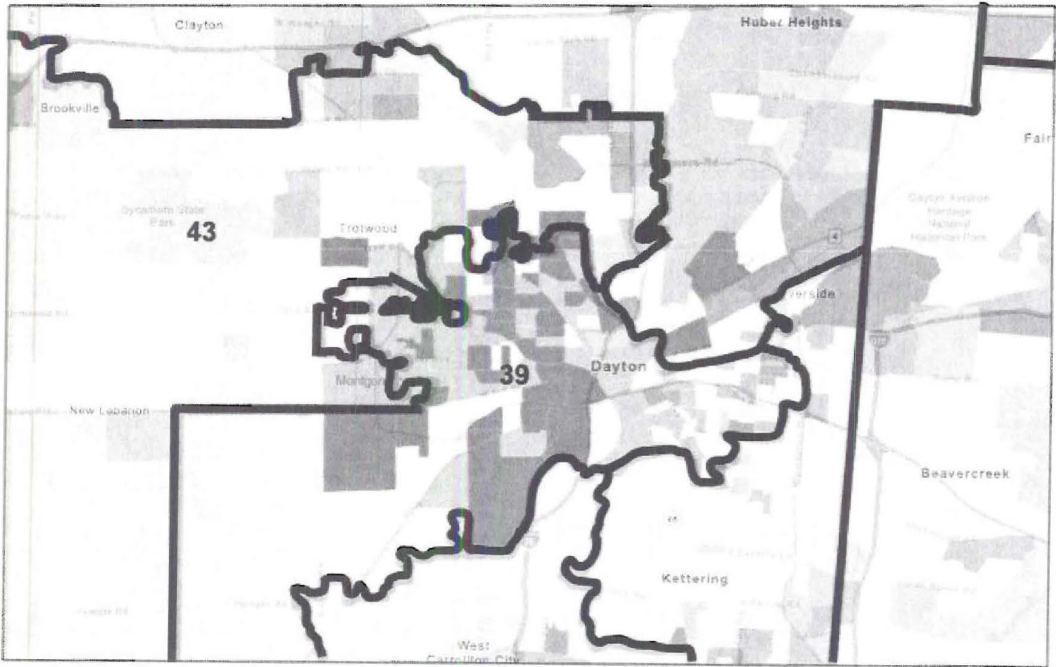


8/23/2021

EJSCREEN_StatePop
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 50 - 60 percentile
 60 - 70 percentile
 70 - 80 percentile
 80 - 90 percentile
 90 - 95 percentile
 95 - 100 percentile

1:180,000
 0 1 2 4 mi
 0 1.75 3.5 7 km
 Source: U.S. Census Bureau. Sources: Data from the U.S. Census Bureau, 2000. © OpenStreetMap contributors, and the GIS User Community.

Lead Paint Indicator



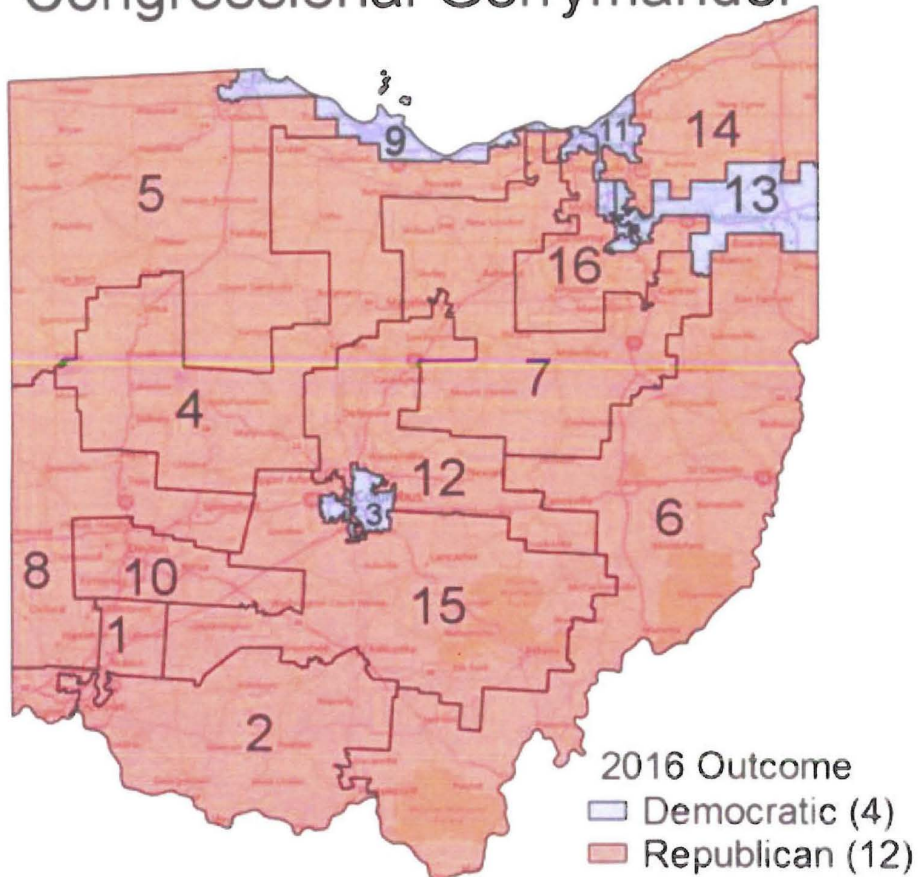
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EJSSCREEN_StatePot

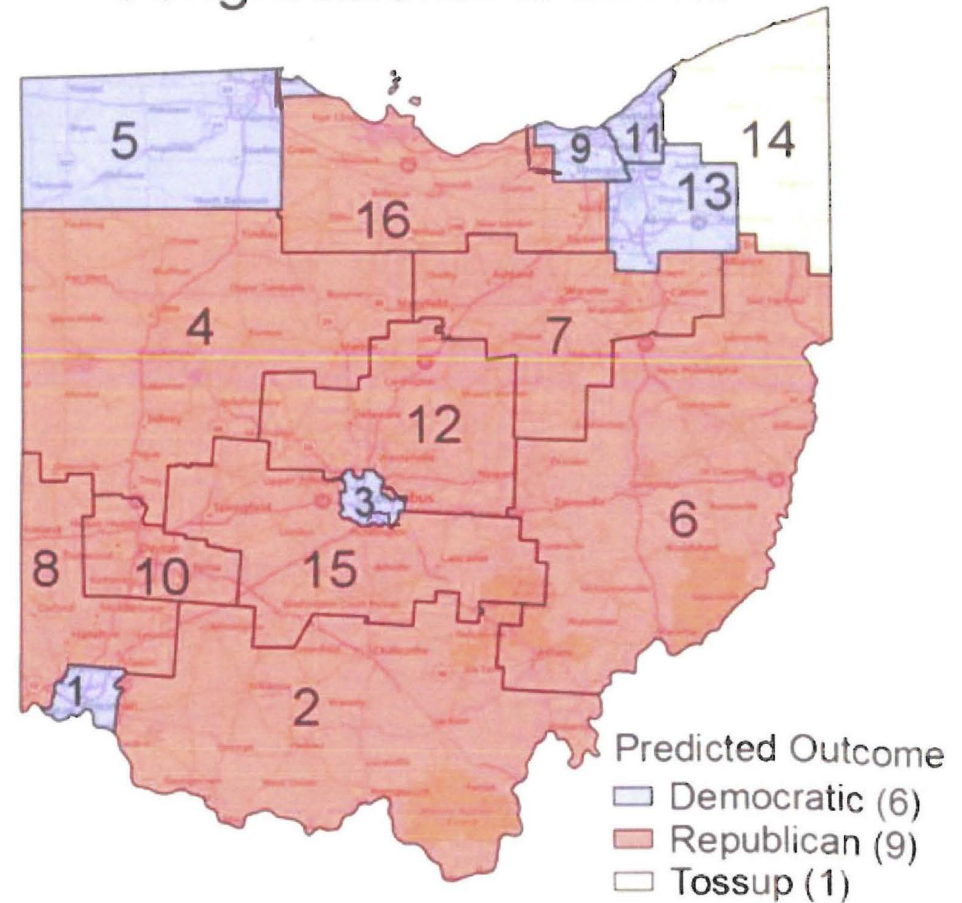
50 - 60 percentile 80 - 90 percentile
Data not available 60 - 70 percentile 90 - 95 percentile
Less than 50 percentile 70 - 80 percentile 95 - 100 percentile

1:180,000
0 1 2 4 mi
0 1.75 3.5 7 km
Source: U.S. Census Bureau. Sources: EPA, Census, HUD, NOAA, USGS, OpenStreetMap contributors, and the GIS User Community

Ohio's Republican-Drawn Congressional Gerrymander



Hypothetical Nonpartisan Congressional Districts





**OHIO CITIZENS
REDISTRICTING
COMMISSION**



OFFICIAL REPORT TO THE OHIO REDISTRICTING COMMISSION

AUGUST 2021

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GOV_001131

ABOUT

THE OHIO CITIZENS REDISTRICTING COMMISSION

The Ohio Citizens Redistricting Commission (OCRC) is sponsored by the Ohio Organizing Collaborative (OOC), Ohio State Conference of the National Association for the Advancement of Colored People (NAACP), and the A. Philip Randolph Institute (APRI) of Ohio. The OCRC worked in partnership with the Kirwan Institute for the Study of Race and Ethnicity at The Ohio State University, More Equitable Democracy, Skylight and MGGG Redistricting Lab at Tufts University.

RESEARCH PARTNERS



COMMUNITY SPONSORS





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ABOUT THE COMMISSION

OVERVIEW

The Ohio Citizens Redistricting Commission (OCRC) is an independent, diverse, non-partisan commission made up of 16 volunteer members, including interested citizens, academics, community leaders, current and former elected officials, attorneys, and more. Members were deliberately chosen to reflect the diversity of Ohio, and include persons of color, persons of all ages and backgrounds, persons from the LGBTQ community, and persons from different regions of the state.

GOALS OF THE COMMISSION

The OCRC has three main goals:

- *Model a thorough and robust engagement process for developing legislative districts, including reaching out specifically to minority and underrepresented communities,*
- *Develop and demonstrate citizen-derived principles of redistricting, and*
- *Draw “unity maps”, meaning maps based on constitutional requirements, citizen-derived principles of redistricting, and an aggregation of a wide variety of preferences that came out of public input.*

PURPOSE OF THIS REPORT

The OCRC developed this report summarizing how these goals were achieved to submit as public testimony to the Ohio Redistricting Commission.

COMMISSION MEMBERS

Some members of the Commission helped to write the constitutional amendment that Ohio voters approved in 2015 and that spells out the criteria upon which the Commission's unity maps are based. Commission members were invited to apply by representatives of the OCRC sponsor organizations the Ohio Organizing Collaborative, Ohio State Conference of the NAACP, and APRI of Ohio. The following members were selected and serve on the commission.

OHIO CITIZENS REDISTRICTING COMMISSION MEMBERS



Alan Bannister
Vice President, Remington
Road Group, Former Director,
Manager, & Executive Assistant
for 5 Toledo Mayors



Amina Barhumi
Outreach Director, Council of
American-Islamic Relations
(CAIR) Ohio



Jeremy Blake
Newark City Councilman,
Equality Ohio Board Member



Jeniece Brock
OCRC Vice Chair
Health Scientist, Policy and
Advocacy Director, Ohio
Organizing Collaborative



Dr. Ellen Greene Bush
Clinical Psychologist,
Citizen Leader of
American Promise Ohio



Akii Butler
Student Organizer
Ohio Student Association



Kathleen Clyde
OCRC Co-Chair
Former Ohio House
Representative, former Candidate
for Secretary of State



Samuel Gresham Jr.
Chair
Common Cause Ohio

OHIO CITIZENS REDISTRICTING COMMISSION MEMBERS



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Professor Emeritus
Ohio State University



Gregory Moore
OCRC Co-Chair
President & CEO Promise for
Democracy, Executive Director
of the Ohio Voter Fund



Dr. Lis Regula
Lecturer
University of Dayton



Tom Roberts
President, NAACP Ohio State
Conference, Former Ohio State
Senator



Katy Shanahan
Ohio State Director
All On The Line



Barbara A. Sykes
President & CEO
Ohio Legislative Black Caucus
Foundation



Chris Tavenor
Staff Attorney,
Ohio Environmental Council
Law Center



André Washington
President of APRI Ohio Chapter,
Field Rep & Special Projects Coord.
Ohio Association of Public School
Employees, Central OH Region

COMMISSION PARTNERS



The OCRC partnered with the Kirwan Institute for the Study of Race and Ethnicity at The Ohio State University and MGGG Redistricting Lab at Tufts University for data collection, analysis, and community mapping, with More Equitable Democracy for district mapping and analysis, and with Skylight for web-based community engagement. The following individuals participated in this work:

Mapping & Data Analysis Team Members

- **Dr. Ranthony Edmonds**, Department of Mathematics, Ohio State -- Data Analysis
- **Dr. Matthew Kahle**, Department of Mathematics, Ohio State -- Data Analysis
- **Dr. Vladimir Kogan**, Political Science, Ohio State -- Politics/Policy
- **Michael Outrich**, Kirwan Institute, Ohio State -- Ohio Community Mapping
- **Dr. Glennon Sweeney**, Kirwan Institute, Ohio State -- Ohio Community Mapping
- **Dr. Moon Duchin**, MGGG Redistricting Lab, Tufts University -- Project Manager
- **Elizabeth Kopecky**, MGGG Redistricting Lab, Tufts University -- Project Manager
- **Derrick Smith**, Applied Statistics, Ohio Organizing Collaborative -- Data Analysis
- **Colin Cole**, More Equitable Democracy -- District Mapping and Analysis
- **Bill Baugh**, More Equitable Democracy -- District Mapping and Analysis
- **Louis Libert**, Skylight -- Digital Designer & User Experience Lead

COMMISSION PROCESS AND TIMELINE

Commission Announced

On Wednesday, May 12, 2021, the formation and membership of the OCRC was announced to the general public via statewide media release and on social media. The public was encouraged to become involved in the work of the OCRC and to watch for further updates and developments.

Public Engagement and Hearings

Public hearings were held virtually throughout the state with a quorum of OCRC members present to give an overview of the amendments to the Ohio Constitution for 2021 regarding the redistricting process, to encourage attendees to participate in the community mapping project, and to receive feedback about what they would like to see happen in the 2021 redistricting process as it relates to their communities or region of the state. The OCRC was also interested to hear how communities, and particularly minority and underrepresented communities, have been impacted in the last decade under gerrymandered districts, and to hear feedback about what specifically witnesses would recommend moving forward to have better political and community representation.

Each public hearing featured a few guest speakers, like a prominent local elected official or community leader, and then the meeting was opened up for citizen witnesses to testify. **A total of 494 Ohio citizens registered to attend these public hearings.** Many of these citizens came representing large subgroups and/or membership lists of other citizens. Recordings of all public hearings can be viewed on our OCRC website at www.ohredistrict.org/past-hearings.

The OCRC held all public hearings after business hours to optimize accessibility, and virtually to ensure safe participation. Hearings were held on the following dates and times:

- May 13, 2021 at 6pm for an organizational meeting and redistricting briefing.
- May 27, 2021 at 6pm for Northwest Ohio (Toledo and Lima).
- June 10, 2021 at 6pm for Greater Cleveland (Cleveland, Lorain, Euclid, Parma).
- June 24, 2021 at 6pm for Northeast Ohio (Akron, Canton, Youngstown).
- July 8, 2021 at 6pm for Southeast Ohio (Athens, Portsmouth, East Liverpool, Chillicothe).
- July 22, 2021 at 6pm for Southwest Ohio (Cincinnati, Dayton).
- August 12, 2021 at 6pm for Central Ohio (Columbus, Marion, Mansfield, Newark, Lancaster).
- August 26, 2021 at 5:30pm for a presentation on our proposed unity maps and to receive feedback and questions.
- August 27, 2021 at 5:30pm for a presentation on our proposed unity maps and to receive feedback and questions.

Commission Work Sessions and Work Groups

The first organizational meeting of the commission took place on May 13, 2021 at 6pm. Members received a briefing about the commission's objectives and about the guidelines laid out in the Ohio Constitution for drawing state legislative and congressional districts.

Commission work sessions took place virtually via Zoom on the following dates:

- May 27, 2021 following the completion of the public hearing.
- June 10, 2021 following the completion of the public hearing.
- June 24, 2021 following the completion of the public hearing.
- July 8, 2021 following the completion of the public hearing.
- July 22, 2021 following the completion of the public hearing.
- July 29, 2021 to discuss and adopt mapping criteria framework.
- August 12, 2021 following the completion of the public hearing.
- August 20, 2021 to discuss draft unity maps.
- August 22, 2021 to discuss draft unity maps. The OCRC voted unanimously to propose draft unity maps to the public.
- August 29, 2021 to discuss proposed unity maps, feedback on proposed maps, and the draft report to be submitted to the Ohio Redistricting Commission. The OCRC voted unanimously to adopt the final commission report and unity maps.

Commission officers met weekly on Mondays beginning on May 3rd.

The OCRC established four workgroups to facilitate the work of the commission and report back to the full commission. All workgroups met as needed and workgroup leads would report in at full commission work sessions. The working groups are:



Public Relations

Purpose: To represent the goals of the commission with the media, and to guide the commission's public communications.

Members: Alan Bannister (Lead), Amina Barhumi, Jeremy Blake and Chris Tavenor



Minority Representation

Purpose: To ensure that communities of color are treated fairly in the redistricting process and can meaningfully influence elections under the maps enacted.

Members: Barbara Sykes (Lead), Jeniece Brock, Greg Moore, Tom Roberts, and Katy Shanahan



Mapping Criteria

Purpose: To develop community driven principles and priorities for mapping and to ensure unity maps represent the input of community members and commissioners.

Members: Dr. Richard Gunther (Lead), Kathleen Clyde, Sam Gresham, Greg Moore and Katy Shanahan.



Community Engagement

Community Engagement & Outreach: To engage at the grassroots level in communities around the state and to ensure input from diverse communities.

Members: Dr. Ellen Greene Bush (Lead), Akii Butler, Dr. Lis Regula, and Andre Washington.

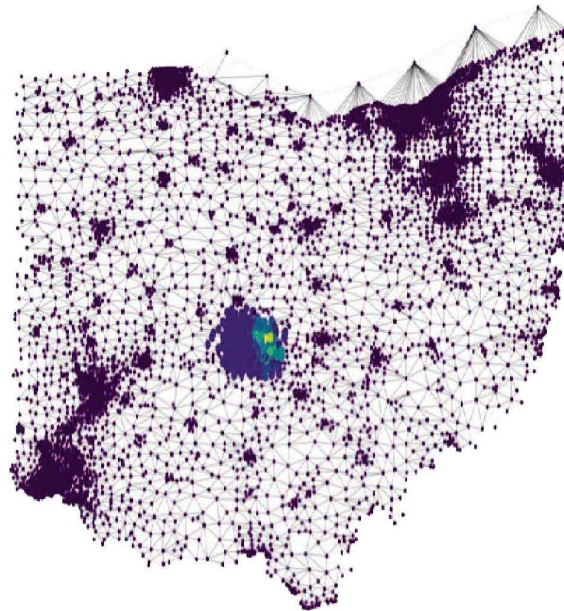
Community Mapping Project

The MGGG Redistricting Lab built a project team based at The Ohio State University and supported by a network of grassroots organizations to collect and synthesize Community of Interest (COI) input for the OCRC. One of the major guiding principles of this team was to ensure that narratives, needs, and concerns from a diverse range of Ohioans were included in the process. They emphasized concerted outreach to minority and underrepresented communities in their approach.

This team used Districtr, a free community web tool developed by MGGG to enable users to create both COI regions and “points of interest” paired with narratives about community issues and needs. **There were 2,350 submissions received through the Districtr portal.**

Prioritizing Communities of Interest is generally considered to be essential to drawing fair districts, but in practice, it is prohibitively difficult to implement without local community knowledge. This community mapping project collected spatialized testimony from the public, which featured not only narrative descriptions of the communities, but mapping describing their geography.

Districtr users could work remotely or join video conference-based workshops led by members of our outreach partner organizations. The Commission received public input in many modalities: collection at in-person meetings when possible, in virtual public meetings, submitted through Districtr.org, OCRC website and email or even via social media.



OCRC DistrictR Community of Interest heat map clusters from East Columbus, Reynoldsburg, Gahanna and Westerville prepared by MGGG.

Proposed Unity Maps Introduced to the Public

On August 25, the OCRC released proposed unity maps for the Ohio House and Ohio Senate via statewide media and social media for public comment and input. The unity maps were based on constitutional requirements, citizen-derived principles of redistricting, and an aggregation of a wide variety of preferences that came out of public input. These unity maps incorporated the 2020 Census data released two weeks earlier on August 12. Input was requested at two scheduled public hearings or via email to the commission.

Final Report and Unity Maps Submitted to Ohio Redistricting Commission

The OCRC submitted their final report and unity maps to the Ohio Redistricting Commission on September 1, 2021.



OHIO HOUSE OF REPRESENTATIVES UNITY MAP

OHIO HOUSE OF REPRESENTATIVES UNITY MAP

The OCRC adopted this Ohio House of Representatives Unity Map based on constitutional requirements, citizen-derived principles of redistricting, and an aggregation of a wide variety of preferences that came out of public input. There are also additional considerations that the OCRC used to better understand how best to deliver real pathways to representation through new district lines for all of Ohio's communities.

EQUAL POPULATION

Under Article XI, Section 3(A) of the Ohio Constitution, the population of Ohio house and senate districts cannot vary more than $\pm 5\%$ of what is called a 'ratio of representation,' which is calculated by taking the whole population of the state and dividing it by the number of districts in the house. Districts must be drawn using the whole population of the state as determined by the most recent census – that is, every person who lives in Ohio must be used to determine the size of each district, not just adults, voters, or citizens. The 2020 Census whole population of Ohio is 11,808,848. Thus each of Ohio's 99 house districts must contain between 113,317 and 125,245 persons.

See Exhibit A for a listing of the population of each district on the proposed map. All districts have between 113,317 and 125,245 persons as required by the Ohio Constitution.

REPRESENTATIONAL FAIRNESS

Article XI, Section 6 of the Ohio Constitution states that, "No General Assembly district plan shall be drawn primarily to favor or disfavor a political party." Further, "The statewide proportion of districts whose voters, based on statewide state and federal partisan general election results during the last ten years, favor each political party shall correspond closely to the statewide preferences of the voters of Ohio."

In the five general elections that have taken place over the past decade, Republican candidates for President, U.S. Senator, Governor, Secretary of State, Auditor, Attorney General and Treasurer have received 54.3% of the votes cast by Ohio voters, while Democratic candidates for those offices have received 45.7% of the votes cast. To ensure that one political party is not unduly favored over another, the partisan make-up of Ohio's districts should mirror the partisan make-up of Ohio's voters.

Exhibit C contains a memo from OCRC member Dr. Richard Gunther displaying these calculations using official results from the Ohio Secretary of State from 2012, 2014, 2016, 2018, and 2020.

Our proposed map has 55 districts (55.56% of the districts) that lean over 50% Republican and 44 districts (44.44% of districts) that lean over 50% Democratic.

This 56% Republican/44% Democratic ratio closely aligns with the 54%/46% representational fairness ratio required by the Ohio Constitution.

KEEPING COMMUNITIES TOGETHER

State house districts were drawn to protect Ohio's communities by keeping them together as much as practically possible and in line with the constitutional requirements to minimize the splitting of counties, townships, and cities. These requirements are as follows:

- Proceeding in succession from the largest to the smallest, each county must be drawn with as many whole districts within county boundaries as can be drawn. Any remaining fraction of the county's population must be part of only one adjoining house district. [Ohio Constitution Article XI, Section 3(C)(1)]
 - Franklin, Cuyahoga, Hamilton, Summit, Montgomery, Lucas, Butler, Stark, Lorain, Mahoning, Lake, Warren, Clermont, Trumbull, Delaware, Medina, Licking, Greene, Portage, Fairfield, Clark, and Wood counties trigger this requirement. Our proposed map complies with this requirement.
- Counties with a population between 113,317 and 125,245 must be drawn as whole house districts and cannot be split apart. [Ohio Constitution Article XI, Section 3(C)(2)]
 - Richland and Wayne counties trigger this requirement. Our proposed map complies with this requirement.
- The remaining portions of the state must be joined together in house districts and, where possible, counties should not be split more than once when drawing house districts. [Ohio Constitution Article XI, Section 3(C)(3)]
 - Our proposed map complies with this requirement.
- If a municipality or township has territory in more than one county, the portion of that municipality or township shall be considered a separate municipality or township for the purposes of these sections. [Ohio Constitution, Article XI, Section 3(D)(1)(b).]
 - Our proposed map adopts this assumption where applicable.
- If a municipality or township within one county has a population of more than one house district, the split portions are considered separately and not splits. [Ohio Constitution, Article XI, Section 3(D)(1)(c).]
 - Columbus, Cleveland, Cincinnati, Toledo, Dayton, and Akron trigger this requirement. Our map minimizes these splits and complies with this requirement.
- House districts must be drawn by splitting as few cities and townships whose contiguous portions have a population of 59,641 to 119,281. [3(D)(2)]
 - The cities of Parma, Canton, Youngstown, Lorain, and Hamilton trigger this requirement. Our proposed map does not split any of these cities and therefore complies with the requirement.

- If the above splitting rules cannot be met when drawing a house district by including whole cities or townships, the district cannot split more than one city or township. [3(D)(3)]
 - Our proposed map complies with this requirement.

Using qualitative community of interest data collected by the OCRC and compiled by MGGG, the number of communities of interest kept together within district boundaries were maximized.

ADDITIONAL CONSIDERATIONS

INCUMBENCY PROTECTION

Incumbency protection as a criterion for state legislative districts, formerly Article XI, Section 7(D), was removed from the Ohio Constitution by overwhelming majorities in both houses of the legislature and ratified by over 70 percent of the voters in 2015. The removal of that criterion was an important priority to reformers for any agreement on state legislative redistricting, since preservation of the previous district boundaries was tantamount to making inevitable the preservation of the previous gerrymander.

MINORITY REPRESENTATION

Districts were reviewed to understand the extent to which minority voters can meaningfully influence elections. Following county and political subdivision split rules allowed communities of color to be drawn into compact districts and at the same time avoided packing and cracking. Minority vote dilution by packing or cracking was avoided. Packing is when minority voters are artificially concentrated into a small number of districts so that their overall electoral influence is weakened. Cracking splits minority communities and spreads minority voters thinly into many districts in which they have little or no electoral influence.

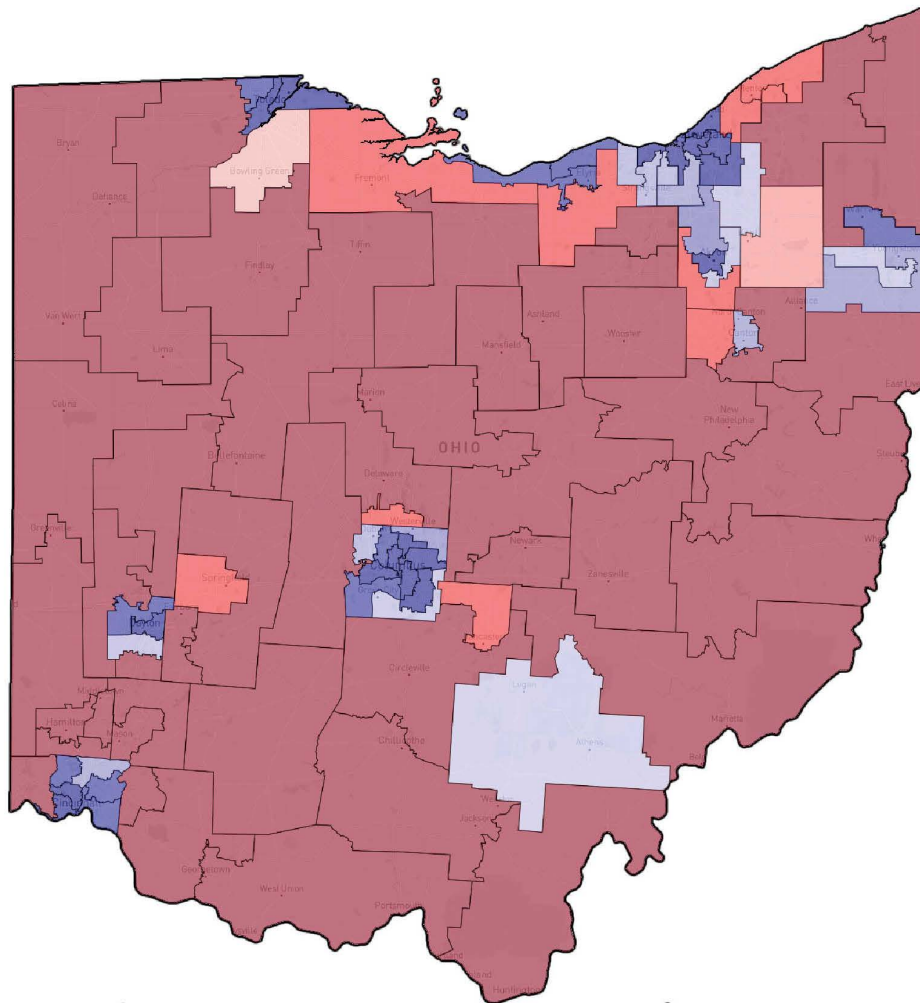
The Commission reviewed proposed maps to ensure that minority voters were fairly represented. The proposed map has 15 districts with a substantial opportunity for Black voters to be represented electorally. Exhibit B provides Black Voting Age Population (BVAP) numbers for those 15 districts and shows their location on relevant maps.



PROPOSED STATE LEGISLATIVE UNITY MAPS

OHIO HOUSE OF REPRESENTATIVES

The following map meets all of the relevant constitutional requirements. Those requirements include provisions that dictate how or if a political subdivision (including counties, townships, and municipalities) is allowed to be split apart and that require representational fairness in the proportion of seats likely to go to each major political party based on statewide state and federal partisan elections in the last decade.



Key	
Dark Blue	Likely Democratic (60% +)
Light Blue	Lean Democratic (53-59%)
Pale Blue	Democratic Tossup (50-52%)
Pale Red	Republican Tossup (50-52%)
Light Red	Lean Republican (53-59%)
Dark Red	Likely Republican (60%+)

OHIO STATE SENATE UNITY MAP

OHIO SENATE UNITY MAP

The OCRC adopted this Ohio Senate Unity Map based on constitutional requirements, citizen-derived principles of redistricting, and an aggregation of a wide variety of preferences that came out of public input. There are also additional considerations that the OCRC used to better understand how best to deliver real pathways to representation through new district lines for all of Ohio's communities.

EQUAL POPULATION

Under Article XI, Section 3(A) of the Ohio Constitution, the population of Ohio House and Senate districts cannot vary more than $\pm 5\%$ of what is called a 'ratio of representation,' which is calculated by taking the whole population of the state and dividing it by the number of districts in the senate. Districts must be drawn using the whole population of the state as determined by the most recent census – that is, every person who lives in Ohio must be used to determine the size of each district, not just adults, voters, or citizens. The 2020 Census whole population of Ohio is 11,808,848. Thus each of Ohio's 33 senate districts must contain between 339,951 and 375,735 persons.

See Exhibit A for a listing of the population of each district on the proposed map. All districts have between 339,951 and 375,735 persons as required by the Ohio Constitution.

REPRESENTATIONAL FAIRNESS

Article XI, Section 6 of the Ohio Constitution states that, "No General Assembly district plan shall be drawn primarily to favor or disfavor a political party." Further, "The statewide proportion of districts whose voters, based on statewide state and federal partisan general election results during the last ten years, favor each political party shall correspond closely to the statewide preferences of the voters of Ohio."

In the five general elections that have taken place over the past decade, Republican candidates for President, U.S. Senator, Governor, Secretary of State, Auditor, Attorney General and Treasurer have received 54.3% of the votes cast by Ohio voters, while Democratic candidates for those offices have received 45.7% of the votes cast. To ensure that one political party is not unduly favored over another, the partisan make-up of Ohio's districts should mirror the partisan make-up of Ohio's voters.

Exhibit C contains a memo from OCRC member Dr. Richard Gunther displaying these calculations using official results from the Ohio Secretary of State from 2012, 2014, 2016, 2018, and 2020.

Our proposed map has 18 districts (54.54% of the districts) that lean over 50% Republican and 15 districts (45.46% of districts) that lean over 50% Democratic.

This 55% Republican/45% Democratic ratio closely aligns with the 54%/46% representational fairness ratio required by the Ohio Constitution.

KEEPING COMMUNITIES TOGETHER

State senate districts were drawn to protect Ohio's communities by keeping them together as much as practically possible and in line with the constitutional requirements to minimize the splitting of counties, townships, and cities. These requirements are as follows:

- Senate districts shall be composed of three contiguous house of representatives districts. [Ohio Constitution Article XI, Section 4(A)]
 - Our proposed map complies with this requirement.
- Each county must be drawn with as many whole senate districts within county boundaries as can be drawn. Any remaining fraction of the county's population that exceeds 375,735 must be part of only one adjoining senate district. [Ohio Constitution Article XI, Section 4(B)(1)]
 - Franklin, Cuyahoga, Hamilton, Summit, Montgomery, Lucas, Butler, and Stark counties trigger this requirement. These counties in our proposed map all have at least one senate district wholly within the county and only one adjoining district with the remainder of the population in that county. Therefore our map complies with this constitutional requirement.
- Counties not large enough to contain one whole senate district but that have at least one house district shall be part of only one senate district. [Ohio Constitution Article XI, Section 4(B)(2)]
 - Lorain, Mahoning, Lake, Warren, Clermont, Trumbull, Delaware, Medina, Licking, Greene, Portage, Fairfield, Clark, Wood, and Richland counties trigger this requirement. These counties in our proposed map are each contained within one senate district. Therefore our map complies with the constitutional requirement.

Using qualitative community of interest data collected by the OCRC and compiled by MGGG, the number of communities of interest kept together within district boundaries were maximized.

ADDITIONAL CONSIDERATIONS

INCUMBENCY PROTECTION

Incumbency protection as a criterion for state legislative districts, formerly Article XI, Section 7(D), was removed from the Ohio Constitution by overwhelming majorities in both houses of the legislature and ratified by over 70 percent of the voters in 2015. The removal of that criterion was an important priority to reformers for any agreement on state legislative redistricting, since preservation of the previous district boundaries was tantamount to making inevitable the preservation of the previous gerrymander.

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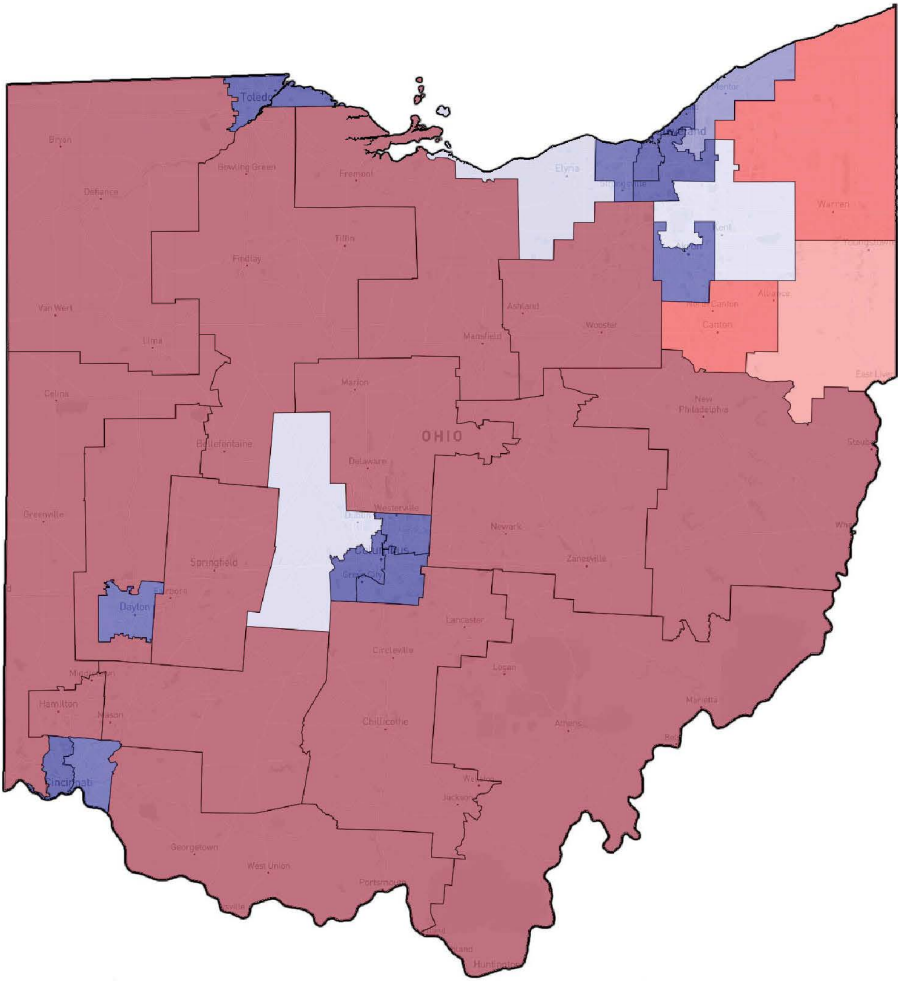
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PROPOSED STATE LEGISLATIVE UNITY MAPS

OHIO STATE SENATE

The following map meets all of the relevant constitutional requirements. Those requirements include provisions that dictate how or if a political subdivision (including counties, townships, and municipalities) is allowed to be split apart and that require representational fairness in the proportion of seats likely to go to each major political party based on statewide state and federal partisan elections in the last decade.



Key	
Dark Blue	Likely Democratic (60% +)
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Pale Blue	Democratic Tossup (50-52%)
Pale Red	Republican Tossup (50-52%)
Light Red	Lean Republican (53-59%)
Dark Red	Likely Republican (60%+)

EXHIBIT A: POPULATION COUNTS

OHIO HOUSE OF REPRESENTATIVES UNITY MAP DISTRICTS

House District Population Counts					
District Region	Total Population	Deviation	District Region	Total Population	Deviation
Allen_Putnam_VanWert	122,106	2.4%	Highland_Clinton_Fayette	114,286	-4.1%
Ashtabula_Gauga	125,022	4.9%	Lake_A	124,908	4.8%
Athens_Perry_Hocking	113,391	-4.9%	Lawrence_Jackson_Gallia	116,593	-2.2%
Belmont_Guernsey_Noble	115,375	-3.2%	Licking_A	113,494	-4.8%
Butler_A	113,579	-4.7%	Licking_Knox_Holmes	114,070	-4.3%
Butler_B	113,453	-4.8%	Lorain_A	123,543	3.7%
Butler_C	115,685	-2.9%	Lorain_B	113,276	-5.0%
Butler_Darke_Prebler	117,398	-1.5%	Lorain_Erie	123,988	4.0%
Clark_A	113,562	-4.7%	Lucas_A	123,848	3.9%
Clermont_A	122,488	2.8%	Lucas_B	125,100	5.0%
Clermont_Brown	114,614	-3.8%	Lucas_C	125,085	4.9%
Columbiana_Carroll	115,728	-2.9%	Lucas_Fulton_Henry	122,840	3.1%
Cuyahoga_A	124,826	4.7%	Mahoning_A	113,818	-4.5%
Cuyahoga_B	125,140	5.0%	Mahoning_B	114,796	-3.7%
Cuyahoga_C	124,968	4.9%	Marion_Knox_Morrow	113,629	-4.7%
Cuyahoga_D	125,024	4.9%	Medina_A	120,308	0.9%
Cuyahoga_E	124,611	4.6%	Medina_Ashland	114,609	-3.8%
Cuyahoga_F	124,637	4.6%	Miami_Shelby_Logan	114,538	-3.9%
Cuyahoga_G	124,790	4.7%	Montgomery_A	121,041	1.6%
Cuyahoga_H	124,936	4.8%	Montgomery_B	114,535	-3.9%
Cuyahoga_I	124,466	4.4%	Montgomery_C	120,078	0.7%
Cuyahoga_J	124,364	4.3%	Montgomery_D	122,332	2.6%
Cuyahoga_Lake	124,750	4.7%	Montgomery_Miami	114,430	-4.0%
Darke_Auglaize_Mercer	121,417	1.9%	Muskingum_Coshocton	113,586	-4.7%
Delaware_A	114,457	-4.0%	Portage_A	124,923	4.8%
Delaware_Marion	113,840	-4.5%	Richland_A	124,936	4.8%
Erie_Sandusky_Ottawa	113,928	-4.4%	Ross_Jackson_Pike	116,665	-2.1%
Fairfield_A	116,348	-2.4%	Sandusky_Huron_Crawford	113,701	-4.6%
Fairfield_Ross_Pickaway	114,358	-4.1%	Scioto_Brown_Adams	116,660	-2.1%
Franklin_A	116,195	-2.5%	Seneca_Logan_Hardin	121,281	1.8%
Franklin_B	117,795	-1.2%	Stark_A	119,639	0.4%
Franklin_C	114,715	-3.8%	Stark_B	123,441	3.6%
Franklin_D	113,852	-4.5%	Stark_C	124,655	4.6%
Franklin_E	124,669	4.6%	Summit_A	117,262	-1.6%
Franklin_F	115,611	-3.0%	Summit_B	122,161	2.5%
Franklin_G	116,226	-2.5%	Summit_C	113,869	-4.5%
Franklin_H	122,253	2.6%	Summit_D	123,343	3.5%
Franklin_I	117,162	-1.7%	Summit_Portage_Gauga	124,037	4.1%
Franklin_J	124,414	4.4%	Trumbull_A	121,935	2.3%
Franklin_K	124,449	4.4%	Trumbull_Ashabula	124,615	4.6%
Franklin_Union_Madison	123,074	3.3%	Tuscarawas_Holmes	121,163	1.7%
Fulton_Defiance_Williams	122,667	2.9%	Tuscarawas_Jefferson_Guernsey	113,824	-4.5%
Greene_A	113,413	-4.8%	Warren_A	123,512	3.6%
Greene_Clark_Champaign	115,706	-2.9%	Warren_B	118,825	-0.3%
Hamilton_A	124,421	4.4%	Washington_Perry_Noble	113,769	-4.5%
Hamilton_B	124,842	4.7%	Wayne_A	116,894	-1.9%
Hamilton_C	121,704	2.1%	Wood_A	113,541	-4.7%
Hamilton_D	115,205	-3.3%	Wood_Hancock_Putnam	123,965	4.0%
Hamilton_E	116,284	-2.4%			
Hamilton_F	113,410	-4.8%			
Hamilton_G	114,773	-3.7%			

EXHIBIT A: POPULATION COUNTS

OHIO STATE SENATE UNITY MAP DISTRICTS

District Region	Total Population	Deviation
Athens_Washington_Lawrence	343,753	-3.9%
Butler_A	342,717	-4.2%
Clermont_Scioto_Brown	353,762	-1.1%
Cuyahoga_A	374,934	4.9%
Cuyahoga_B	374,272	4.7%
Cuyahoga_C	374,192	4.7%
Cuyahoga_Lake	374,022	4.6%
Delaware_Marion_Knox	341,926	-4.4%
Fairfield_Ross_Pickaway	347,371	-2.8%
Franklin_A	348,705	-2.5%
Franklin_B	354,132	-1.0%
Franklin_C	355,641	-0.5%
Franklin_Union_Madison	371,937	4.0%
Greene_Clark_Champaign	342,681	-4.2%
Hamilton_A	370,967	3.7%
Hamilton_B	344,899	-3.5%
Hamilton_Butler_Darke	353,588	-1.1%
Licking_Muskingum_Knox	341,150	-4.6%
Lorain_Erie	360,807	0.9%
Lucas_A	374,033	4.6%
Lucas_Allen_Fulton	367,613	2.8%
Mahoning_Columbiana_Carroll	344,342	-3.7%
Medina_Wayne_Ashland	351,811	-1.6%
Montgomery_A	355,654	-0.5%
Montgomery_Miami_Shelby	351,300	-1.8%
Richland_Erie_Sandusky	352,565	-1.4%
Stark_A	367,735	2.8%
Stark_Tuscarawas_Belmont	350,362	-2.0%
Summit_A	353,292	-1.2%
Summit_Portage_Gauga	372,303	4.1%
Trumbull_Ashtabula_Gauga	371,572	3.9%
Warren_Highland_Clinton	356,623	-0.3%
Wood_Hancock_Seneca	358,787	0.3%

EXHIBIT B: MINORITY REPRESENTATION OHIO HOUSE OF REPRESENTATIVES UNITY MAP DISTRICTS

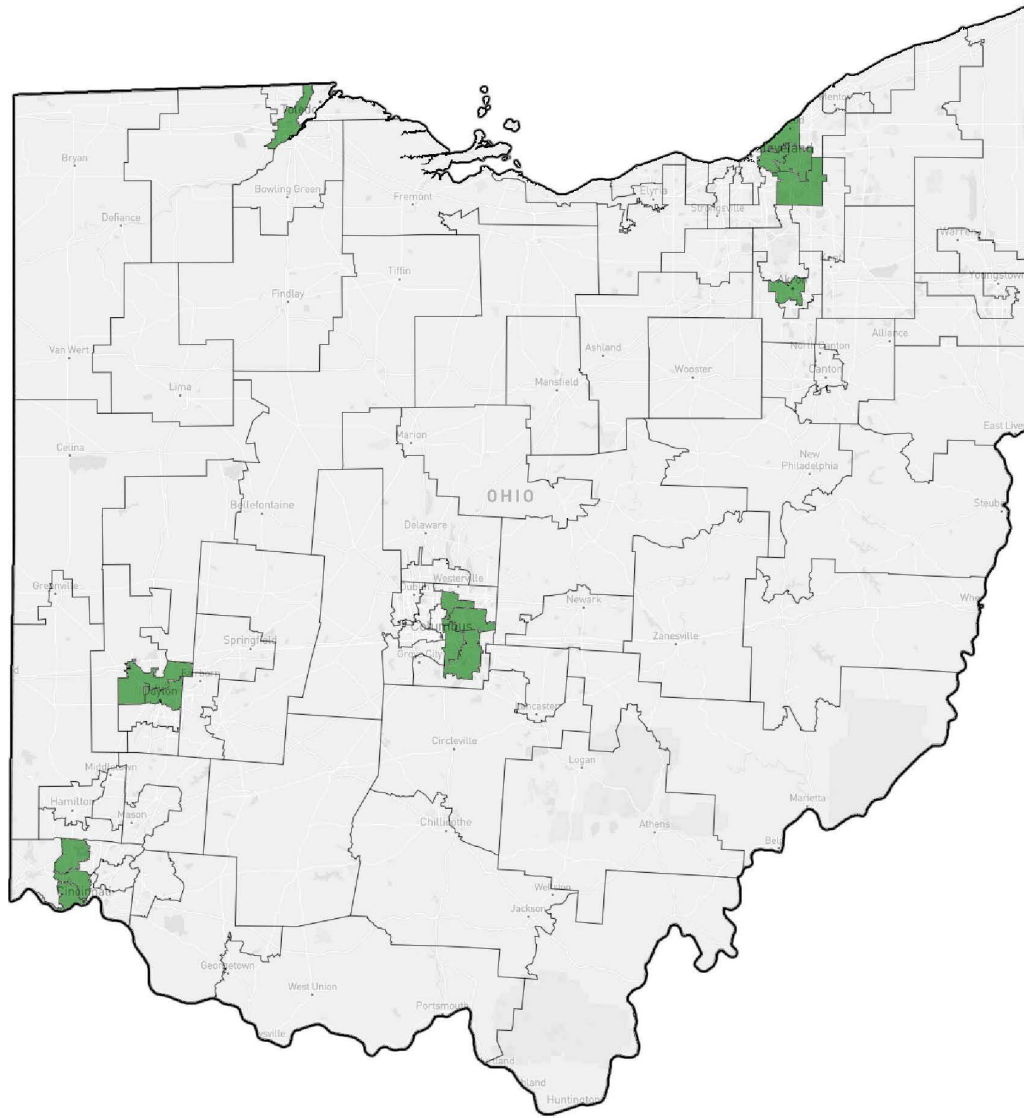
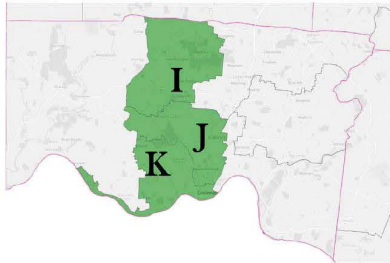


EXHIBIT B: MINORITY REPRESENTATION

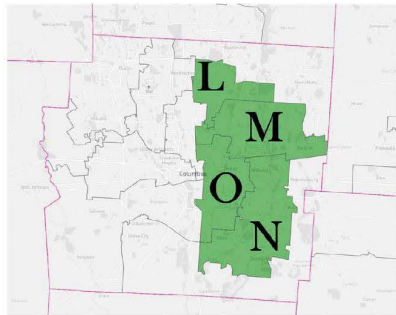
OHIO HOUSE OF REPRESENTATIVES UNITY MAP DISTRICTS

Hamilton County

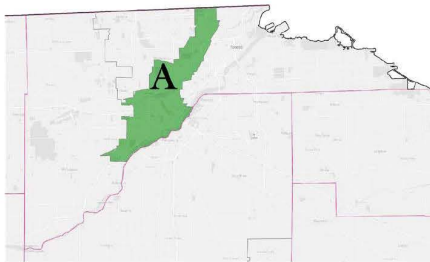


House Minority Representation		
Letter	BVAP	POC Total Population
A	30.02%	43.77%
B	73.19%	79.70%
C	28.19%	40.24%
D	59.75%	68.50%
E	65.99%	77.18%
F	37.54%	46.93%
G	33.82%	47.63%
H	41.86%	58.75%
I	37.03%	51.78%
J	38.87%	53.18%
K	38.40%	53.56%
L	39.39%	63.14%
M	39.36%	56.75%
N	45.84%	61.81%
O	50.22%	61.98%

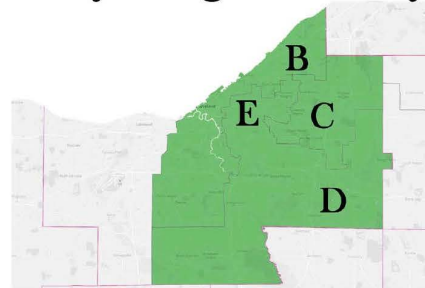
Franklin County



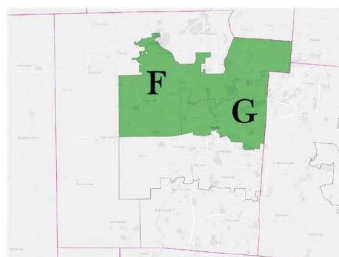
Lucas County



Cuyahoga County



Montgomery County



Summit County



EXHIBIT B: MINORITY REPRESENTATION OHIO STATE SENATE UNITARY MAP DISTRICTS

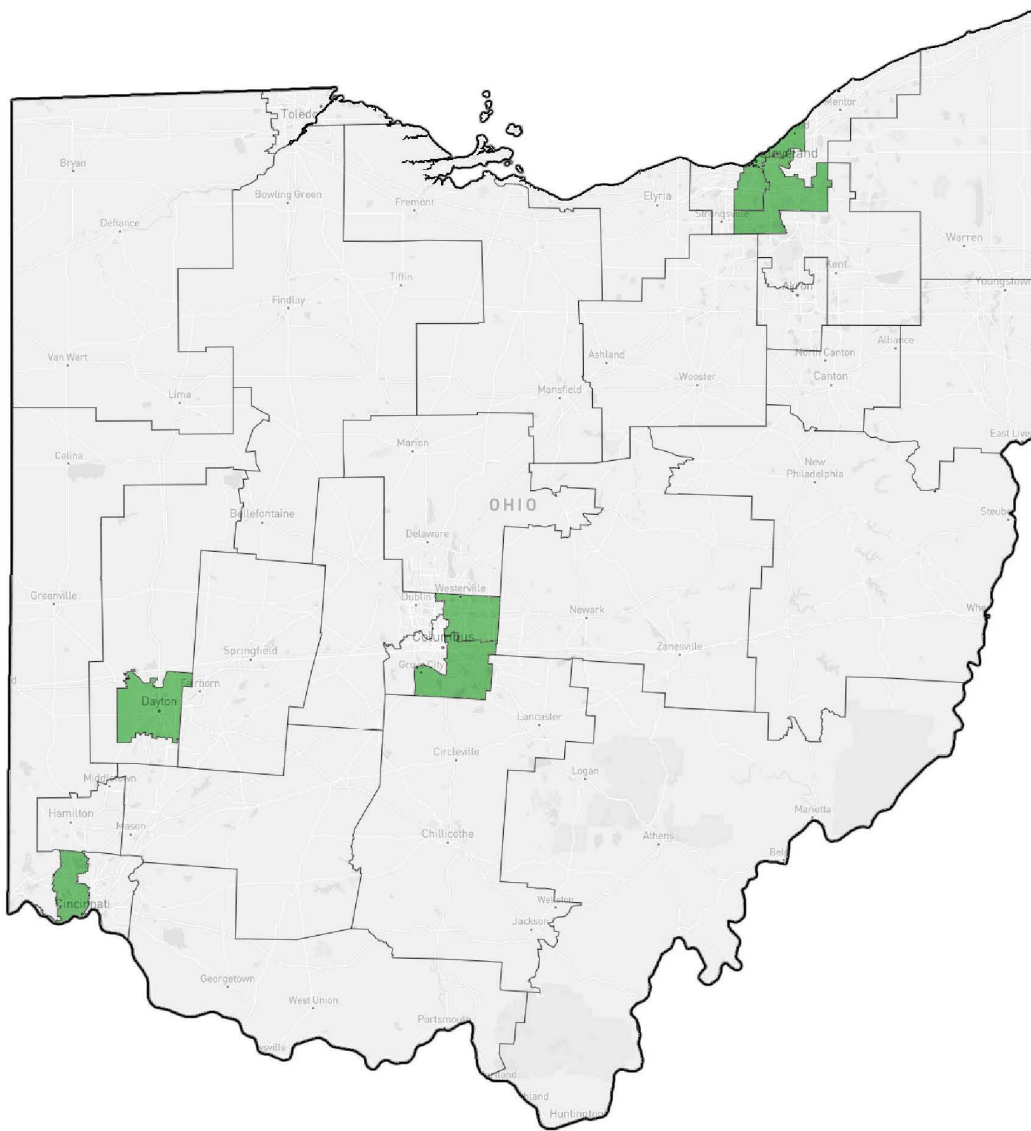
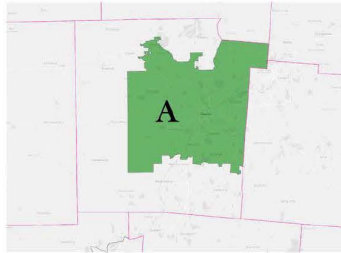
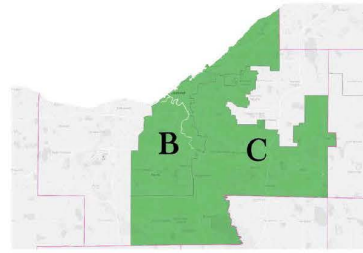


EXHIBIT B: MINORITY REPRESENTATION OHIO STATE SENATE UNITY MAP DISTRICTS

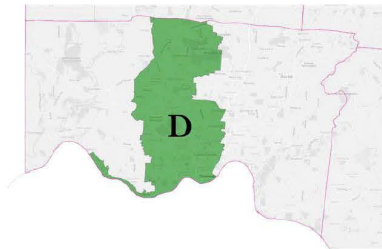
Montgomery County



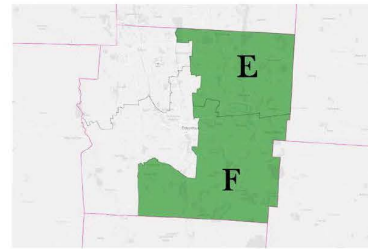
Cuyahoga County



Hamilton County



Franklin County



Senate Minority Representation

Letter	BVAP	POC Total Population
A	29.27%	40.87%
B	32.70%	50.19%
C	49.76%	60.24%
D	38.11%	52.83%
E	29.93%	49.41%
F	39.05%	53.19%

EXHIBIT C: REPRESENTATIONAL FAIRNESS MEMO

Oral Presentation of Article XI, Section 6(B)

“The statewide proportion of districts whose voters, based on statewide state and federal partisan general election results during the last ten years, favor each political party shall correspond closely to the statewide preferences of the voters of Ohio.”

How Section 6(B) is Intended to Work

The first step is to calculate the statewide preferences of the voters of Ohio as reflected in ballots cast for the candidates of each major party for President, United States Senator, Governor, Secretary of State, Attorney General, Auditor and Treasurer over the past decade. That calculation (based on the official election results as published by the Ohio Secretary of State) is presented in the following table.

Votes for Statewide Offices over the Past Decade

Democratic Candidates	2012	2014	2016	2018	2020
President	2,697,260		2,394,164		2,679,165
Senator	2,645,901		1,996,908		
Governor		1,009,359		2,067,847	
Sec of State		1,074,475		2,049,944	
Attorney General		1,178,426		2,084,593	
Auditor		1,149,305		2,006,204	
Treasurer		1,323,325		2,022,016	

GRAND TOTAL of votes cast for Democratic candidates 2012-2020: **28,378,892**

Republican Candidates	2012	2014	2016	2018	2020
President	2,593,779		2,841,005		3,154,834
Senator	2,371,230		3,118,567		
Governor		1,944,848		2,231,917	
Sec. of State		1,811,020		2,210,356	
Attorney General		1,882,048		2,272,440	
Auditor		1,149,305		2,152,769	
Treasurer		1,724,060		2,304,444	

GRAND TOTAL of votes cast for Republican candidates 2012-2020: **33,759,622**

Democratic share of votes cast for statewide offices $(28,378,892 \div 62,141,514) = 45.7\%$

Republican share of votes cast for statewide offices $(33,762,622 \div 62,141,514) = 54.3\%$

EXHIBIT C: REPRESENTATIONAL FAIRNESS MEMO

Thus, the grand total of votes for Republican and Democratic candidates for statewide offices over the past decade indicates that Ohio voters supported Republican candidates over Democratic candidates by a margin of 54.3% vs. 45.7%.

Accordingly, for the map to be representationally fair, that is, not gerrymandered, the share of Ohio House of Representatives districts whose voters lean toward Republican candidates should be as close to 54.3% as possible, while 45.7% of these districts should lean toward Democratic candidates.

The second step is to create a partisan index for each of the districts that have been drawn based on the same statewide election results. This involves aggregating those same data for each of the districts in the map. This step determines the likely partisan lean in each district.

This seems like a lot of work, but computer programs used to draw district maps can easily accomplish this task.

Then simply count the number of districts that lean toward one party or the other.

After this has been done, it will be easily possible to determine which maps most closely correspond to the partisan preferences of Ohio's voters over the previous decade.

Using these data, the goal should be to create a map in which 54% of the districts have a pro-Republican partisan index and 45.7% have a pro-Democratic partisan index based on the last decade's election results.

Note that Section 6(B) of Article XI does not imply that each individual district should internally mirror this statewide ratio, which cannot occur because of how Republican and Democratic voters are unevenly distributed across the state.

Instead, it is the *statewide* share of districts leaning toward one party or another (based upon previous voting behavior over the previous decade) that should correspond to this statewide pattern of partisan preferences.

ACKNOWLEDGEMENTS



Thank you to all of our partners, contributors and every fellow Ohioan who lifted their voice in this process. Democracy is a practice that requires all of us.

SPECIAL THANKS:

Cathy Duval, Molly Shack, Prentiss Haney, Maki Somosot, Colleen Craig, Derrick Smith, Shaquiena Davis, Misha Barnes, Hannah Tyler, Carrie Coisman, Whitney Siddiqi and our partners at the Redistricting Data Hub: Louis Libert, John O'Neill, Andy Feldman, Jamie Atlas, Josh Cohen, Tim Lim, and George Cheung

"Nothing can stop the power of a committed and determined people to make a difference in our society."

Congressman John Lewis

www.ohredistrict.org

Ohio Townships Map

Click on your county or scroll down to view the counties in alphabetical order. Township websites that have been provided to the OTA are linked to each individual township.



Ohio Senate Democratic Caucus

Testimony of Randall Routt, Minority Caucus Policy Advisor

Co-Chair Cupp, Co-Chair Sykes and members of the Ohio Redistricting Commission, thank you for the opportunity to speak about the redistricting plan as presented to you today. I'd like to take some time to walk you through how this plan was generated in compliance with, and in the spirit of, constitutional reforms to Ohio's redistricting process.

To draw the House map, we first looked at the largest county in the state by population, Franklin County, as required by the Ohio Constitution. Franklin County has a population of 1,323,807, which allowed us to create 11 districts within it. We drew the remainder of the county within one additional district. We then repeated the process for the other 21 counties in the state with more than one House ratio of representation – in other words, for the other 21 counties in Ohio whose populations are large enough to contain more than one House district. We did so from the largest county to the smallest, resulting in the creation of the first 77 districts. Two additional districts encompassing entire counties – Richland and Wayne – were then created. Finally, the remaining 20 districts were created by combining whole counties, municipalities and townships.

As you will see, our House map fully complies with all constitutional redistricting requirements. It does not illegally split a single contiguous municipality or township in any district in the state. It splits counties as little as possible, and only to allow for population requirements: Only 12 of the 64 counties with less than one House ratio of representation are split between two districts. Our map also makes zero illegal community splits.

We used the same process to draw Senate districts, each of which must encompass three House districts. We started the process with the 24 counties in the state comprised of at least one House district, which resulted in the creation of the first 28 Senate districts. We then drew the remaining five districts by minimizing county splits. In our map, only seven of the 80 counties with less than one Senate ratio of representation are split between two districts.

Representational Fairness

The Ohio Constitution, Article 11, Section 6 also requires that districts closely match the voter preferences for candidates as expressed in statewide partisan elections of the past decade. Or, as we have heard from last week's testimony, representational fairness. In short, our General Assembly districts should roughly match the way Ohio voters have indicated their preferences over the past decade.

We calculated this in two ways. First, we used data from the 2021 Ohio Common Unified Redistricting Database to determine a total Democratic and Republican vote share. We then looked at the simple vote totals of each eligible election (every partisan, statewide election) from 2012 to 2020, which resulted in a ratio of 45.9% Democratic and 54.1% Republican voters split over the last 10 years. For purposes of map drawing, this would mean that a map that would most closely match the call of Ohio voters would include 45 likely Democratic and 54 likely Republican seats in the House of Representatives, and 15 likely Democratic and 18 likely Republican seats in the Senate. Our House map includes 44 likely Democratic districts and 55 likely Republican districts. Our Senate map includes 14 likely Democratic districts and 19 likely Republican districts.

Compactness

As we heard repeatedly in testimony last week, the Ohio Constitution also requires that General Assembly districts are compact and keep communities of interest within the same district. It is important to note that many subdivisions are irregularly shaped or are simply not contiguous. The map before you today minimizes community splits to the greatest extent possible.

In summary, these map plans adhere to the spirit of the reforms passed overwhelmingly by the voters of Ohio as well as with federal law, including with provisions concerning the protection of minority voting rights. It is merely a starting proposal by the members of the Senate Democratic Caucus. No outside group or organization has reviewed the maps before you in advance of our submission to the Commission and the public today. In addition to my testimony, I am providing a more detailed description of our plan and additional materials. I'd be happy to take any questions and also have our consultant, Chris Glassburn with Project Govern, here to help answer your questions as well. Thank you.

From: Lange, Miranda
Sent: Thursday, April 8, 2021 2:37 PM
To: Pohlabei, Adam
Cc: Osterback, Kate
Subject: Redistricting Meeting

Hi Adam,

Leader Yuko and Senator Sykes are hoping to sit down with President Huffman at some point in the next few weeks to discuss initiating the redistricting committee process. We are thinking a Wednesday morning between 9-11:30AM would work best, particularly April 21st, April 28th or May 5th. Is there a time when President Huffman would be available? Feel free to call our office with any questions or concerns. Thank you!

Best,
Miranda

Miranda Lange | Senior Legislative Aide
Ohio Senate Minority Leader Kenny Yuko
Senate District 25
(614) 466-4583

From: Wendy.Zhan@lsc.ohio.gov
Sent: Thursday, May 20, 2021 9:46 AM
To: Barron, John
Subject: FW: delivery of the unified redistricting database

FYI.

From: Strigari, Frank <Frank.Strigari@ohiosenate.gov>
Sent: Wednesday, May 19, 2021 1:37 PM
To: Wendy Zhan <Wendy.Zhan@lsc.ohio.gov>
Subject: RE: delivery of the unified redistricting database

Thanks for the email, Wendy. Let me think about this for a bit. I'll follow up with you ASAP.

Frank

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From: Wendy.Zhan@lsc.ohio.gov <Wendy.Zhan@lsc.ohio.gov>
Sent: Wednesday, May 19, 2021 1:20 PM
To: Strigari, Frank <Frank.Strigari@ohiosenate.gov>
Subject: FW: delivery of the unified redistricting database

Hi Frank, I don't think this should be my decision. It seems like having them put the files on a file transfer site at OU and then allow any authorized persons to pull down the files is a reasonable solution. Would you please talk with Sarah and let me know how I should answer this question. Alternative, I could just tell them that they check in with you and Sarah for an answer? Thanks.

From: Finney, Michael <finney@ohio.edu>
Sent: Wednesday, May 19, 2021 10:42 AM
To: Wendy Zhan <Wendy.Zhan@lsc.ohio.gov>
Cc: Wiley, Robert <wiley1@ohio.edu>
Subject: delivery of the unified redistricting database

Ms. Zhan:

HUFFMAN_000941

Robert Wiley and I have had several conversations with Sarah Cherry and Frank Strigari regarding the redistricting database. One topic we have been discussing with them is the incorporation of the statewide election results over the last ten years as required by the Ohio Constitution. Sarah Cherry asked that we send a copy of the Census mapping files along with the election results files as soon as possible so that the parties could get some practice using the Census mapping files with the election results data. I thought that this would be a good trial run of how we would deliver the final redistricting database to the LSC. Regarding this trial run, how would you like us to deliver the redistricting database to the LSC? There are several options. We could provide the files on a DVD, we could transfer the files electronically to an LSC file transfer site, we could put the files on a file transfer site at Ohio University and allow someone on your staff access to pull down the files, or we could use some other option. We would like to test the file transfer method now with the elections results database so that we are ready when the US Census provides us with the PL 94-171 data in August and we produce the final version of the redistricting database. We know that time will be of the essence in the summer and we want to have a quick, safe, and effective way of transferring the redistricting database to the LSC with minimum delay so that your office can then distribute the redistricting database to the respective parties and others from the general public who need to use the database to submit a redistricting plan for the State. We can discuss this request by phone if you would prefer.

Thanks for your consideration of this issue,

Mike



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From: Wendy.Zhan@lsc.ohio.gov
Sent: Thursday, April 15, 2021 1:22 PM
To: Christine.Morrison@ohiohouse.gov; Paul.Disantis@ohiohouse.gov; Barron, John; Strigari, Frank
Subject: FW: March monthly report- redistricting
Attachments: Redistricting 2021 Progress Report -March 2021.pdf

From: Wiley, Robert <wileyr1@ohio.edu>
Sent: Thursday, April 15, 2021 12:49 PM
To: Wendy Zhan <Wendy.Zhan@lsc.ohio.gov>
Cc: Finney, Michael <finney@ohio.edu>
Subject: March monthly report

Ms. Zhan:

Here is the March monthly report. It appears that some progress has been made regarding assignment of election results data to precincts.

Thank You

Robert L. Wiley



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HUFFMAN_000945

Redistricting 2021 – Develop the Ohio Common and Unified Redistricting Database

Progress Report: March 2021

Prepared by Robert L. Wiley, Redistricting Project Manager

George Voinovich School of Leadership and Public Affairs (GVS)

Month of March 2021

Prepared for the Ohio Legislative Services Commission (LSC) April 15, 2021

Project Purpose and Background

This report summarizes activities conducted under the Redistricting 2021 contract between Ohio University and the Ohio Legislative Services Commission (LSC) for the month of March 2021. The scope of work for this project is based on the proposal prepared by Ohio University and submitted to LSC in early 2016. Work on the project has continued according to the defined tasks and subtasks as described in the scope of work within the proposal.

Task VI Activities

During the month of March 2021 GVS followed the communications from the US Census Bureau regarding the dates of availability of the PL 94-171 Census data. Discussions were held with officials from the State regarding the Census Bureau's announced delay in releasing the PL 94-171 data set and how these delays will impact final delivery of the unified database. We also discussed what types of election results data should/could be added to the unified database. A brief update on the progress of the project was provided to Secretary of State LaRose when he visited Ohio University's campus on March 19. We met as a team several times to discuss the effects of the date changes on the completion of the combined uniform redistricting database. We reviewed the sample preliminary PL 94-171 dataset for Providence, Rhode Island. This preliminary PL 94-171 dataset is scheduled to be released mid-August 2021 by the Census Bureau. Our team determined that we can work with the preliminary dataset and link it to the Census geography files provided the actual released preliminary PL 94-171 dataset maintains the same format and database fields as the sample dataset for Providence, RI. We also ran some quality control tests to compare the 2021 US Census geography to the precinct geography shapefiles provided to the US Census Bureau in March 2020. Initial tests found that some differences remained along municipal and county boundaries due to unsupported place boundary changes by counties and municipalities that the US Census Bureau could not resolve. Using the geocoded voter data base for assessment, the impact of these differences was found to be insignificant in the tested counties. We anticipate conducting this test for each county and summarizing the findings as a quality assessment tool over the next few months.

Projected Activities Going Forward

Over the next few weeks GVS will create a shapefile that combines county level 2021 US Census Geography files into a single state-wide file and links it by precinct to the 2020 election voting results for all appropriate races and issues, as available from the Secretary of State Election Results database. We will also begin to run the geography comparison quality assessment tests for each county using the methodology developed during March.

From: Wendy.Zhan@lsc.ohio.gov
Sent: Thursday, March 4, 2021 12:37 PM
To: Barron, John; Strigari, Frank
Subject: FW: February Redistricting 2021 monthly report
Attachments: Redistricting 2021 Progress Report -February2021.pdf

A couple of notes from the one-page report.

"She [Sarah Cherry] was informed that we could likely turn the final product around for delivery within a period significantly shorter than our original contract performance period, depending on the resolution of ongoing questions concerning the issue of linking political affiliation information to the Census blocks and voting precincts."

"We suggest that we hold a Zoom (or similar) meeting with the interested parties to discuss the issues related to determining the party affiliation from the voter database and election results data."

From: Finney, Michael <finney@ohio.edu>
Sent: Thursday, March 4, 2021 11:30 AM
To: Wendy Zhan <Wendy.Zhan@lsc.ohio.gov>
Cc: Wiley, Robert <wiley1@ohio.edu>
Subject: February Redistricting 2021 monthly report

Ms. Zhan

Please find attached our February 2021 monthly progress report.

Take care,

Mike



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Redistricting 2021 – Develop the Ohio Common and Unified Redistricting Database

Progress Report: February 2021

Prepared by Robert L. Wiley, Redistricting Project Manager
George Voinovich School of Leadership and Public Affairs (GVS)
Month of February 2021
Prepared for the Ohio Legislative Services Commission (LSC) March 4, 2021

Project Purpose and Background

This report summarizes activities conducted under the Redistricting 2021 contract between Ohio University and the Ohio Legislative Services Commission (LSC) for the month of February 2021. The scope of work for this project is based on the proposal prepared by Ohio University and submitted to LSC in early 2016. Work on the project has continued according to the defined tasks and subtasks as described in the scope of work within the proposal.

Task VI Activities

Activities under this task included continued meetings to discuss work being done in preparation of completion of the final common unified redistricting database (CURD). An email from the US Census Bureau notified us that the PL 94-171 data was not ready for release to any state but would be released to all states on September 30, 2021. This email from the Census Bureau and enclosed links to press releases was forwarded to the LSC on February 12, 2021 for distribution to interested parties. Following that distribution, a phone call was received from the Legal Counsel of the Minority Caucus, Sarah Cherry, concerning the estimation of the time needed for the completion of the CURD once the PL 94-171 data was received. She was informed that we could likely turn the final product around for delivery within a period significantly shorter than our original contract performance period, depending on the resolution of ongoing questions concerning the issue of linking political affiliation information to the Census blocks and voting precincts. Discussions on this issue had been in progress since May of 2020 with Chief Legal Counsel for the Ohio Senate, Frank Strigari. An email to pursue resolution to outstanding questions regarding the application of political leaning attributions was sent to Mr. Strigari on February 16, 2021 and shared with the LSC and the Minority Caucus. Mr. Strigari talked with Michael Finney on February 25, 2021 to better understand the impact that the delay in the release of the PL 94-171 would have on the completion of the CURD and the issues around linking of the political affiliation data.

Projected Activities Going Forward

During the coming months, GVS will review the new geographic data from the Census Bureau comparing it with the data that was sent to the Census Bureau March 31, 2020. We will also download the 2020 voter database from the Secretary of State. The voter database will be geocoded and the new points posted on the Redistricting 2021 website, created for this project. The issue of linkage of party affiliation with PL 94-171 block and precinct geography will hopefully be resolved in the coming weeks. We suggest that we hold a Zoom (or similar) meeting with the interested parties to discuss the issues related to determining the party affiliation from the voter database and election results data.

From: Wendy.Zhan@lsc.ohio.gov
Sent: Thursday, February 11, 2021 1:44 PM
To: Barron, John; Strigari, Frank
Subject: FW: January Redistricting 2021 monthly report
Attachments: Redistricting 2021 Progress Report -Jan2021.pdf

From: Wiley, Robert <wileyr1@ohio.edu>
Sent: Thursday, February 11, 2021 12:55 PM
To: Wendy Zhan <Wendy.Zhan@lsc.ohio.gov>
Cc: Finney, Michael <finney@ohio.edu>
Subject: January Redistricting 2021 monthly report

Ms. Zhan

Please find attached our January 2021 report.

Thank You

Robert L. Wiley



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HUFFMAN_000949

Redistricting 2021 – Develop the Ohio Common and Unified Redistricting Database

Progress Report: January 2021

Prepared by Robert L. Wiley, Redistricting Project Manager

George Voinovich School of Leadership and Public Affairs (GVS)

Month of January 2021

Prepared for the Ohio Legislative Services Commission (LSC) February 10, 2021

Project Purpose and Background

This report summarizes activities conducted under the Redistricting 2021 contract between Ohio University and the Ohio Legislative Services Commission (LSC) for the month of January 2021. The scope of work for this project is based on the proposal prepared by Ohio University and submitted to LSC in early 2016. Work on the project has continued according to the defined tasks and subtasks as described in the scope of work within the proposal.

Task VI Activities

Activities under this task included brief meetings to discuss activities in preparation of completion of the final common unified redistricting database (CUDR). The US Census geographic data was downloaded from the US Census website and stored for future use. The State of Ohio Secretary of State (SoS) 2020 voter database and the precinct-level results of the 2020 general election were downloaded and stored. Email communications with the US Census Bureau concerning the availability of the PL 94-171 Census data did not yield any definitive outcome. Until further notice, July 31, 2021 remains to be the date for receipt of the enumeration data.

Projected Activities Going Forward

During February and coming months, GVS will link the new geographic data from the Census Bureau with the 2020 voter database. The voter database will be geocoded and the new points posted on the Redistricting 2021 website, created for this project. The issue of linkage of party affiliation with PL 94-171 block and precinct geography, discussed since May of 2020, is still unresolved. We believe that linking the 2018 primary data as an indicator of party affiliation is problematic and could lead to many inaccuracies. We suggest that the best data that could be used to characterize party affiliation at a precinct level is the 2020 election returns data from the SoS, using percentages of voters by party but this data may not be able to be disaggregated to the Census block level.

We continue to recommend that discussions be held with the Redistricting Committees for each party to identify the most usable data for linkage of party affiliation with the Census geography, and of the problems, errors and uncertainties associated with each option. We suggest that we prepare a presentation of the issues and hold a Zoom (or similar) meeting to provide a factual basis for consideration of the solution.

DiRossi, Ray

From: DiRossi, Ray
Sent: Tuesday, October 13, 2020 12:04 PM
To: 'Wendy.Zhan@lsc.ohio.gov'
Subject: RE: Redistricting 2021 progress for September 2020

Wendy
perfect timing

I have the June monthly report... sounds like that is the latest one?

Can you send me April and May 2020 reports if they did one for those months?

want to get up to speed on some of the data issues that we might face

Ray

From: Wendy.Zhan@lsc.ohio.gov <Wendy.Zhan@lsc.ohio.gov>
Sent: Tuesday, October 13, 2020 11:55 AM
To: Barron, John <John.Barron@ohiosenate.gov>; Connolly, Liz <Liz.Connolly@ohiosenate.gov>; Strigari, Frank <Frank.Strigari@ohiosenate.gov>; DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Subject: FW: Redistricting 2021 progress for September 2020

Hello. The latest update from OU is shown below. There were no activities in July and August either. It looks like they're going to ask for some sort of contract modification (the last sentence of the email).

Just FYI. Including the carry-over, the total appropriation for FY21 is \$4,837,520 for the redistricting line item (035407) and \$4,073,639 for the litigation line item (\$4,073,639).

Wendy

From: Wiley, Robert <wileyr1@ohio.edu>
Sent: Tuesday, October 13, 2020 9:51 AM
To: Wendy Zhan <Wendy.Zhan@lsc.ohio.gov>
Subject: Redistricting 2021 progress for September 2020

Dear Ms. Zhan

There was no activity on this project for the month of September 2020. We expect to start ramping up for final project efforts during November 2020 once the election is over and the returns are posted by the Secretary of State. We will also prepare a short modification to the contract to resolve final product delivery times associated with the delays proposed by the US Census Bureau due to the virus-related delays in data processing.

Robert L. Wiley



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DiRossi, Ray

From: Wendy.Zhan@lsc.ohio.gov
Sent: Tuesday, October 13, 2020 12:08 PM
To: DiRossi, Ray
Subject: OU Redistricting contract progress reports
Attachments: Redistricting 2021 Progress Report -April 2020.pdf; Redistricting 2021 Progress Report - May 2020.pdf; Redistricting 2021 Progress Report -JUNE 2020.pdf

Here you go, Ray.

Redistricting 2021 – Develop the Ohio Common and Unified Redistricting Database

Progress Report: April 2020

Prepared by Robert L. Wiley, Redistricting Project Manager
George Voinovich School of Leadership and Public Affairs (GVS)
Month of April, 2020
Prepared for the Ohio Legislative Services Commission (LSC) May 8, 2020

Project Purpose and Background

The previous report submitted on April 10, 2020 covered the period from March 1, 2020 through March 31, 2020. This report summarizes activities conducted under the Redistricting 2021 contract between Ohio University and the Ohio Legislative Services Commission (LSC) for the month of April 2020. The scope of work for this project is based on the proposal prepared by Ohio University and submitted to LSC in early 2016. Work on the project has continued according to the defined tasks and subtasks as described in the scope of work within the proposal.

Project work during the month of April 2020 included continuing work primarily under Task VI – Project Management and Reporting.

Task VI Activities

Activities under this task were limited to preparation of the March 2020 monthly report, which characterized final submittal of voting district geography to the U.S. Census Bureau. On April 13, 2020, we received a joint statement from the Secretary of Commerce and the Director of the Census Bureau that changed the delivery date of the 2020 Census redistricting PL 94-171 data from March 31, 2021 to no later than July 31, 2021, due to the pandemic. This four-month delay will prevent the GVS from delivery of common unified redistricting database (CURD) by May 31, 2021 as specified in the contract.

This change poses some administrative and constitutional difficulties that need to be resolved. It would seem reasonable to move the GVS delivery date to the LSC three months forward from the date the data is received from the Census Bureau. This would result in a change in the product delivery to the LSC to October 31, 2021. Initially, a mutually agreed contract amendment would be necessary to change the CURD delivery date. A more difficult problem is the present requirement in Section 1 (A) of the Ohio Constitution requiring that the Ohio Legislature submit a redistricting plan in the form of a bill by no later than September 30, 2021. It would seem that legislative action would be necessary to resolve this unexpected issue caused by the coronavirus pandemic. We look forward to your advice on these issues.

Projected Activities Going Forward

Over the next few months, we will practice using test datasets of the PL 94-171 data for 2018 provided by the Census Bureau and voter data from the 2019 and 2020 Secretary of State voter database to identify the best methods to parse and incorporate population data to blocks, wards and voting districts.

We will continue to assess the magnitude of the potential error resulting from municipal boundary mismatches and unprocessed annexations as we prepare the final common unified mapping database.

We will use GIS Union, Intersection and spatial selection tools to count potentially double counted or missed voter addresses and the land area differences in precincts. This work will begin later in April 2020.

We have been recently contacted by the Ohio House of Representatives Minority Leader's office to provide some instruction on timing and methods for the final preparation of the CURD and the effects as noted above concerning the data delivery delay from the Census Bureau. It our recommendation that we also present similar advisory materials to the Ohio House of Representatives Majority Leader's office in the near future.

Redistricting 2021 – Develop the Ohio Common and Unified Redistricting Database

Progress Report: May 2020

Prepared by Robert L. Wiley, Redistricting Project Manager
George Voinovich School of Leadership and Public Affairs (GVS)
Month of May, 2020
Prepared for the Ohio Legislative Services Commission (LSC) June 9, 2020

Project Purpose and Background

The previous report submitted on May 8, 2020 covered the period from April 1, 2020 through April 30, 2020. This report summarizes activities conducted under the Redistricting 2021 contract between Ohio University and the Ohio Legislative Services Commission (LSC) for the month of May 2020. The scope of work for this project is based on the proposal prepared by Ohio University and submitted to LSC in early 2016. Work on the project has continued according to the defined tasks and subtasks as described in the scope of work within the proposal.

Project work during the month of May 2020 included continuing work primarily under Task VI – Project Management and Reporting.

Task VI Activities

Activities under this task included preparation of the April 2020 monthly report, communication efforts with federal and state officials to identify the effects of the delay of the 2020 Census data on the 2021 redistricting process¹, and to clarify the desired linkages requested between the Census data and geography with the results of the 2020 general election as per Task IV (C) of the contract.

We specifically queried Mr. Whitehorne, of the Census Bureau, on how and over what time period will the Census data be delivered to the states; all at once on July 31, 2021, or provided over some extended earlier period, ending on July 31st. Mr. Whitehorn's response on May 20, 2020 indicated that Census data would be released over a 6-week period starting on June 17, 2021. First delivered would be based on demonstration by states that their redistricting process was delineated by law or regulation.

The Census population data will be delayed; however, we were informed by James Whitehorne via an email received on May 18, 2020 that the Census Bureau would expect to start delivering the geographic products by February 1, 2021 and complete that delivery the end of March 2021. This will allow us to create voting history linkages using the appropriate voting data with the Census geography in preparation for receipt of the Census population data in the PL 94-171 data file on a date yet to be determined.

This four-month delay will prevent the GVS from delivery of the common unified redistricting database (CURD) by May 31, 2021 as specified in the contract.

¹ On May 13, 2020, we received a joint statement from the Secretary of Commerce and the Director of the Census Bureau that changed the delivery date of the 2020 Census redistricting PL 94-171 data from March 31, 2021 to no later than July 31, 2021, due to the COVID-19 pandemic.

We posed these questions to Frank Strigari, Council to the Senate Majority, on May 22, 2020:

"We are asked to link party affiliation to the common unified redistricting database (CURD). To do this we will use the final census geometry in GIS to capture voters party affiliation for geocoded voters as points. The voters will be based on the Secretary of State (SOS) voter database using voter addresses. The SOS voter database has the attribute "Party Affiliation". I am informed by the data dictionary provided by Amanda Grandjean, of the SOS, that the basis for that designation is the voting history from the last primary (2020?), which turned out to be only early voting and absentee ballots. If so, once this data is posted in the next month or so, that is what we must use. The actual voters however will be those that vote in the November 2020 election. There will likely be a large number of voters that show up as blank (unaffiliated). Does the redistricting committee want to see a single attribute for the most dominant party (R, D, S, G, U) listed for each block and precinct, or do they want a numerical summary separately for each party affiliation category?"

"As you probably know, the virus has caused the Census Bureau to delay provision of the final PL 94-171 data until as late as July 31, 2021. I will forward a recent response from the census bureau on the new schedule for delivery of the Census Data. They indicate that they will listen and try to respond to state scheduling imperatives that may be affected by the delay in data delivery. I am aware that the State Constitution specifies that a draft redistricting map must be prepared by September 30, 2021. Can this date be set forward as emergency measure by legislation? If not, we need to get our story about the immediacy of our need for the PL 94-171 data into the Census Bureau as soon as possible. The earliest delivery suggested by Mr. Whitehorne is June 17, 2021. If we can make a case for being in the first tranche, we at OU will still need 2 months to perform the tasks required for completion of the final database, resulting in a maximum delivery date of the CURD by August 17, 2021. That would give the legislature roughly 6-weeks to prepare the draft redistricting map. Can they do it? Do you want to write or coordinate writing a convincing letter to the Census Bureau? We should get this into them quickly, even if the Legislature can alter the redistricting map preparation dates."

Following receipt of these questions, Mr. Strigari, initiated a phone discussion with Robert Wiley and Michael Finney of the GVS. Several options were discussed for choosing which data to link to Census geography. We also discussed the best way to interface with the Census Bureau to encourage them to place Ohio on the early list for receipt of the data. While we await answers, we are available to provide advice to others on the redistricting committee regarding Census data issues.

Projected Activities Going Forward

Over the next few months, we will continue to practice using test datasets of the PL 94-171 data for 2018 provided by the Census Bureau and voter data from the 2019 and 2020 Secretary of State voter database to identify the best methods to parse and incorporate population data to blocks and voting districts.

We will continue to assess the magnitude of the potential error resulting from municipal boundary mismatches and unprocessed annexations as we prepare the final common unified mapping database. We will use GIS Union, Intersection and spatial selection tools to count potentially double counted or missed voter addresses and the land area differences in precincts.

The change in the PL 94-171 delivery date poses some administrative and constitutional difficulties that need to be resolved. It would seem reasonable to move the GVS delivery date to the LSC two months

forward from the date the PL 94-171 data is received from the Census Bureau. This would result in a change in the product delivery to the LSC to September 30, 2021. Initially, a mutually agreed contract amendment would be necessary to change the CURD delivery date. The GVS will prepare a draft contract amendment to condition the CURD delivery time based on the actual date that the PL 94-171 Census data is released to the GVS.

Redistricting 2021 – Develop the Ohio Common and Unified Redistricting Database

Progress Report: June 2020

Prepared by Robert L. Wiley, Redistricting Project Manager
George Voinovich School of Leadership and Public Affairs (GVS)
Month of June, 2020
Prepared for the Ohio Legislative Services Commission (LSC) July 7, 2020

Project Purpose and Background

The previous report submitted on June 9, 2020 covered the period from May 1, 2020 through May 31, 2020. This report summarizes activities conducted under the Redistricting 2021 contract between Ohio University and the Ohio Legislative Services Commission (LSC) for the month of June 2020. The scope of work for this project is based on the proposal prepared by Ohio University and submitted to LSC in early 2016. Work on the project has continued according to the defined tasks and subtasks as described in the scope of work within the proposal.

Project work during the month of June 2020 included continuing work primarily under Task VI – Project Management and Reporting.

Task VI Activities

Activities under this task include preparation of the May 2020 monthly report, communication efforts with Federal and State officials to identify the effects of the delay of the 2020 Census data on the 2021 redistricting process. A letter was prepared under the signature of Jason Jolly, Ohio State Liaison for Redistricting 2021, with input from Frank Strigari, to James Whitehorne, Chief of Redistricting and Voting Rights Data Office/ADDC/HQ Census Bureau. The letter provided the critical timeframes for Ohio redistricting in 2021, with the intent of obtaining the necessary Census data as early as possible. Mr. Whitehorne responded by email:

“Thank you for your thoughtful explanation of the challenges the State of Ohio must face due to this unfortunate but necessary delay in the delivery of the P.L. 94-171 Redistricting Data. We are sensitive to these difficulties and are working to identify anything we can do to lessen their impact. The information you have provided will be very helpful in ensuring we provide the appropriate urgency when the data delivery begins. Our current schedule has us starting the data delivery with weekly state groupings on June 17th and continuing through July 31. We will use your constitutional and logistical challenges as part of our process to ensure the states with the most urgent need receive their data as early as possible. I am happy to inform you that the geographic support materials, the shapefiles, maps, etc. will not be delayed by the same amount of time as the redistricting counts. We expect to deliver all of the geographic support products in the months of February and March of 2021.”

Projected Activities Going Forward

The GVS will prepare and submit to LSC for approval a contract modification to extend the completion dates for the Ohio Common and Unified Redistricting Database contract based on a time period linked to receipt of the data from the Census Bureau.

Over the next few months, we will continue to practice using test datasets of the PL 94-171 data for 2018 provided by the Census Bureau and voter data from the 2019 and 2020 Secretary of State voter database to identify the best methods to parse and incorporate population data to blocks and voting districts.

We will continue to assess the magnitude of the potential error resulting from municipal boundary mismatches and unprocessed annexations as we prepare the final common unified mapping database. We will use GIS Union, Intersection and spatial selection tools to count potentially double counted or missed voter addresses and the land area differences in precincts.

2021 10-year look back	Candidate	Democrat	Republican	Candidate	%	%
2020 Presidential	Biden	2,679,165	3,154,834	Trump	45.9%	54.1%
2016 Presidential	Clinton	2,394,164	2,841,005	Trump	45.7%	54.3%
2012 Presidential	Romney	2,827,709	2,661,439	Obama	51.5%	48.5%
2018 US Senate	Brown	2,355,923	2,053,963	Renacci	53.4%	46.6%
2016 US Senate	Strickland	1,996,908	3,118,567	Portman	39.0%	61.0%
2012 US Senate	Brown	2,762,766	2,435,744	Mandel	53.1%	46.9%
2010 US Senate	Fisher			Portman		
2018 Governor	Cordray	2,067,847	2,231,917	DeWine	48.1%	51.9%
2018 Auditor	Space	2,006,204	2,152,769	Faber	48.2%	51.8%
2018 SOS	Clyde	2,049,944	2,210,356	LaRose	48.1%	51.9%
2018 Treasurer	Richardson	2,022,016	2,304,444	Sprague	46.7%	53.3%
2018 Attorney General	Dettelbach	2,084,593	2,272,440	Yost	47.8%	52.2%
2014 Governor	Fitzgerald	1,009,359	1,944,848	Kasich	34.2%	65.8%
2014 Auditor	Carney	1,149,305	1,711,927	Yost	40.2%	59.8%
2014 SOS	Turner	1,074,475	1,811,020	Husted	37.2%	62.8%
2014 Treasurer	Pillich	1,323,325	1,724,060	Mandel	43.4%	56.6%
2014 Attorney General	Pepper	1,178,426	1,882,048	DeWine	38.5%	61.5%
2010 Governor	Strickland			Kasich		
2010 Auditor	Pepper			Yost		
2010 SOS	O'Shaughnessy			Husted		
2010 Treasurer	Boyce			Mandel		
2010 Attorney General	Cordray			Dewine		
Total Votes		30,982,129	36,511,381		721%	879%
		45.90%	54.10%		45.08%	54.92%

County	2019 EST County Pop	2019 ratios @ 118,071.7	HDs per 2011	2019 ratios @ 354,215	SDs per 2011
Franklin	1,316,756	11.152	10	3.72	3+
Cuyahoga	1,235,072	10.460	11	3.49	3+
Hamilton	817,473	6.924	7	2.31	2+
Summit	541,013	4.582	4+	1.53	1+
Montgomery	531,687	4.503	4+	1.50	1+
Lucas	428,348	3.628	3+	1.21	1+
Butler	383,134	3.245	3+	1.08	1+
Stark	370,606	3.139	3+	1.05	1+
Lorain	309,833	2.624	2+	0.87	
Warren	234,602	1.987	1+	0.66	
Lake	230,149	1.949	2	0.65	
Mahoning	228,683	1.937	2	0.65	
Delaware	209,177	1.772	1+	0.59	
Clermont	206,428	1.748	1+	0.58	
Trumbull	197,974	1.677	1+	0.56	
Medina	179,746	1.522	1+	0.51	
Licking	176,862	1.498	1+	0.50	
Greene	168,937	1.431	1+	0.48	
Portage	162,466	1.376	1+	0.46	
Fairfield	157,574	1.335	1+	0.44	
Clark	134,083	1.136	1+	0.38	
Wood	130,817	1.108	1	0.37	
Richland	121,154	1.026	1	0.34	
Wayne	115,710	0.980	1	0.33	
Miami	106,987	0.906		0.30	
Allen	102,351	0.867	1	0.29	
Columbiana	101,883	0.863	1	0.29	
Ashtabula	97,241	0.824		0.27	
Geauga	93,649	0.793		0.26	
Tuscarawas	91,987	0.779		0.26	
Muskingum	86,215	0.730		0.24	
Ross	76,666	0.649		0.22	
Hancock	75,783	0.642		0.21	
Scioto	75,314	0.638		0.21	
Erie	74,266	0.629		0.21	
Belmont	67,006	0.568		0.19	
Athens	65,327	0.553		0.18	
Jefferson	65,325	0.553		0.18	
Marion	65,093	0.551		0.18	
Knox	62,322	0.528		0.18	
Washington	59,911	0.507		0.17	
Lawrence	59,463	0.504		0.17	
Union	58,988	0.500		0.17	
Sandusky	58,518	0.496		0.17	
Pickaway	58,457	0.495		0.17	

Lucas	428,348	Lucas
Wood	130,817	Wood
Fulton	42,126	Fulton
Ottawa	40,525	Ottawa
Erie	74,266	Erie
716,082		
112,168.13	118,071.72	123,975.31
5,903.59		5,903.59
5% light	whole	5% heavy
6.38	6.06	5.78

Lorain	309,833	Lorain
Huron	58,266	Huron
368,099		
112,168.13	118,071.72	123,975.31
5,903.59		5,903.59
5% light	whole	5% heavy
3.28	3.12	2.97

Cuyahoga	1,235,072	Cuyahoga
Medina	179,746	Medina
1,414,818		
112,168.13	118,071.72	123,975.31
5,903.59		5,903.59
5% light	whole	5% heavy
12.61	11.98	11.41

Lake	230,149
Geauga	93,649
Portage	162,466
Ashtabula	97,241
Trumbull	197,974
781,479	
112,168.13	118,071.72
5,903.59	
5% light	whole
6.97	6.62

Williams	36,692	Williams
Defiance	38,087	Defiance
Henry	27,006	Henry
Paulding	18,672	Paulding
Van Wert	28,275	Van Wert
Putnam	33,861	Putnam
Hancock	75,783	Hancock
Hardin	31,365	Hardin
289,741		
112,168.13	118,071.72	123,975.31
5,903.59		5,903.59
5% light	whole	5% heavy
2.58	2.45	2.34

Champaign	38,885	Champaign
Logan	45,672	Logan
Shelby	48,590	Shelby
Allen	102,351	Allen
Auglaize	45,656	Auglaize
Mercer	41,172	Mercer
Darke	51,113	Darke
373,439		
112,168.13	118,071.72	123,975.31
5,903.59		5,903.59
5% light	whole	5% heavy
3.33	3.16	3.01

Summit	541,013	Summit
Stark	370,606	Stark
Wayne	115,710	Wayne
1,027,329		
112,168.13	118,071.72	123,975.31
5,903.59		5,903.59
5% light	whole	5% heavy
9.16	8.70	8.29

Lake	230,149
Geauga	93,649
Portage	162,466
Ashtabula	97,241
Trumbull	197,974
781,479	
112,168.13	118,071.72
5,903.59	
5% light	whole
6.97	6.62

Clark	134,083	Clark
Greene	168,937	Greene
Clinton	41,968	Clinton
344,988		
112,168.13	118,071.72	123,975.31
5,903.59		5,903.59
5% light	whole	5% heavy
3.08	2.92	2.78

Clark	134,083	Clark
Greene	168,937	Greene
Madison	44,731	Madison
347,751		
112,168.13	118,071.72	123,975.31
5,903.59		5,903.59
5% light	whole	5% heavy
3.10	2.95	2.81

Franklin	1,316,756	Franklin
1,316,756		
112,168.13	118,071.72	123,975.31
5,903.59		5,903.59
5% light	whole	5% heavy
11.74	11.15	10.62

Franklin	1,316,756
Union	58,988
Madison	44,731
1,420,475	
112,168.13	118,071.72
5,903.59	
5% light	whole
12.66	12.03

County	2019 EST County Pop	2019 ratios @ 118,071.7	HDs per 2011	2019 ratios @ 354,215	SDs per 2011
Huron	58,266	0.493		0.16	
Seneca	55,178	0.467		0.16	
Ashland	53,484	0.453		0.15	
Darke	51,113	0.433		0.14	
Shelby	48,590	0.412		0.14	
Logan	45,672	0.387		0.13	
Auglaize	45,656	0.387		0.13	
Madison	44,731	0.379		0.13	
Holmes	43,960	0.372		0.12	
Brown	43,432	0.368		0.12	
Highland	43,161	0.366		0.12	
Fulton	42,126	0.357		0.12	
Clinton	41,968	0.355		0.12	
Crawford	41,494	0.351		0.12	
Mercer	41,172	0.349		0.12	
Preble	40,882	0.346		0.12	
Ottawa	40,525	0.343		0.11	
Champaign	38,885	0.329		0.11	
Guernsey	38,875	0.329		0.11	
Defiance	38,087	0.323		0.11	
Williams	36,692	0.311		0.10	
Coshocton	36,600	0.310		0.10	
Perry	36,134	0.306		0.10	
Morrow	35,328	0.299		0.10	
Putnam	33,861	0.287		0.10	
Jackson	32,413	0.275		0.09	
Hardin	31,365	0.266		0.09	
Gallia	29,898	0.253		0.08	
Fayette	28,525	0.242		0.08	
Van Wert	28,275	0.239		0.08	
Hocking	28,264	0.239		0.08	
Pike	27,772	0.235		0.08	
Adams	27,698	0.235		0.08	
Henry	27,006	0.229		0.08	
Carroll	26,914	0.228		0.08	
Meigs	22,907	0.194		0.06	
Wyandot	21,772	0.184		0.06	
Paulding	18,672	0.158		0.05	
Harrison	15,040	0.127		0.04	
Morgan	14,508	0.123		0.04	
Noble	14,424	0.122		0.04	
Monroe	13,654	0.116		0.04	
Vinton	13,085	0.111		0.04	
11,689,100		99		33	
118,072					

Butler	383,134	Butler
383,134		
112,168.13	118,071.72	123,975.31
5,903.59		5,903.59
5% light	whole	5% heavy
3.42	3.24	3.09

Clermont	206,428	Clermont
Brown	43,432	Brown
Adams	27,698	Adams
Scioto	75,314	Scioto
352,872		
112,168.13	118,071.72	123,975.31
5,903.59		5,903.59
5% light	whole	5% heavy
3.15	2.99	2.85

Fayette	28,525	Fayette
Pickaway	58,457	Pickaway
Highland	43,161	Highland
Ross	76,666	Ross
Pike	27,772	Pike
Jackson	33,861	Jackson
Gallia	31,365	Gallia
Lawrence	59,911	Lawrence
359,718		
112,168.13	118,071.72	123,975.31
5,903.59		5,903.59
5% light	whole	5% heavy
3.21	3.05	2.90

Fairfield	157,574
Hocking	28,264
Vinton	
Perry	36,134
Morgan	14,508
Muskingum	86,215
Guernsey	38,875
361,570	
112,168.13	118,071.72
5,903.59	
5% light	whole
3.22	3.06

Hamilton	817,473	Hamilton
Warren	234,602	Warren
1,052,075		
112,168.13	118,071.72	123,975.31
5,903.59		5,903.59
5% light	whole	5% heavy
9.38	8.91	8.49

Meigs	22,907
Athens	65,327
Vinton	13,085
Washington	59,911
Noble	14,424
Monroe	13,654
Belmont	67,006
Harrison	15,040
Jefferson	65,325
Carroll	26,914
363,593	
112,168.13	118,071.72
5,903.59	
5% light	whole
3.24	3.08

Lake
Geauga
Portage
Ashtabula
Trumbull
123,975.31
5,903.59
5% heavy
6.30

Lake	230,149	Lake
Geauga	93,649	Geauga
Portage	162,466	Portage
Ashtabula	97,241	Ashtabula
Trumbull	197,974	Trumbull
Mahoning	228,683	Mahoning
Columbiana	101,883	Columbiana
	1,112,045	
112,168.13	118,071.72	123,975.31
5,903.59		5,903.59
5% light	whole	5% heavy
9.91	9.42	8.97

Lake	230,149	Lake
Geauga	93,649	Geauga
Portage	162,466	Portage
Ashtabula	97,241	Ashtabula
Trumbull	197,974	Trumbull
Mahoning	228,683	Mahoning
Columbiana		Columbiana
	1,010,162	
112,168.13	118,071.72	123,975.31
5,903.59		5,903.59
5% light	whole	5% heavy
9.01	8.56	8.15

Lake
Geauga
Portage
Ashtabula
Trumbull
123,975.31
5,903.59
5% heavy
6.30

Lake	125,000	Lake
Geauga	93,649	Geauga
Portage	162,466	Portage
Ashtabula	97,241	Ashtabula
Trumbull		Trumbull
	478,356	
112,168.13	118,071.72	123,975.31
5,903.59		5,903.59
5% light	whole	5% heavy
4.26	4.05	3.86

Lake		Lake
Geauga	93,649	Geauga
Portage	80,000	Portage
Ashtabula	97,241	Ashtabula
Trumbull	197,974	Trumbull
	468,864	
112,168.13	118,071.72	123,975.31
5,903.59		5,903.59
5% light	whole	5% heavy
4.18	3.97	3.78

Franklin
Union
Madison
123,975.31
5,903.59
5% heavy
11.46

Licking	176,862	Licking
Coshocton	36,600	Coshocton
Holmes	43,960	Holmes
Tuscarawas	91,987	Tuscarawas
	349,409	
112,168.13	118,071.72	123,975.31
5,903.59		5,903.59
5% light	whole	5% heavy
3.12	2.96	2.82

Lake	230,149	Lake
Geauga		Geauga
Portage	162,466	Portage
Ashtabula	97,241	Ashtabula
Trumbull	197,974	Trumbull
Mahoning	228,683	Mahoning
Columbiana		Columbiana
	916,513	
112,168.13	118,071.72	123,975.31
5,903.59		5,903.59
5% light	whole	5% heavy

		8.17	7.76	7.39
Fairfield				
Hocking				
Vinton				
Perry				
Morgan				
Muskingum				
Guernsey				
123,975.31				
5,903.59				
5% heavy				
2.92				

Meigs
Athens
Vinton
Washington
Noble
Monroe
Belmont
Harrison
Jefferson
Carroll
123,975.31
5,903.59
5% heavy
2.93

Annual Estimates of the Resident Population for Counties in Ohio: April 1, 2010 to July 1, 2019

Geographic Area	April 1, 2010		Population Estimate (as of July 1)							
	Census	Estimates Base	2010	2011	2012	2013	2014	2015	2016	2017
Ohio	11,536,504	11,536,751	11,539,336	11,544,663	11,548,923	11,576,684	11,602,700	11,617,527	11,634,370	11,659,650
Adams County, Ohio	28,550	28,541	28,537	28,459	28,293	28,089	28,066	27,926	27,807	27,753
Allen County, Ohio	106,331	106,313	106,358	105,988	105,244	105,055	104,848	104,095	103,613	103,093
Ashland County, Ohio	53,139	53,140	53,321	53,252	53,239	53,153	53,161	53,310	53,520	53,662
Ashtabula County, Ohio	101,497	101,489	101,403	101,085	100,252	99,746	99,027	98,404	98,171	97,748
Athens County, Ohio	64,757	64,764	65,173	65,079	64,610	64,594	64,783	65,886	66,352	66,503
Auglaize County, Ohio	45,949	45,917	45,898	45,741	45,770	45,801	45,737	45,734	45,766	45,753
Belmont County, Ohio	70,400	70,400	70,333	70,122	69,709	69,563	69,367	68,973	68,606	68,002
Brown County, Ohio	44,846	44,826	44,863	44,629	44,281	44,111	43,933	43,697	43,638	43,523
Butler County, Ohio	368,130	368,136	369,102	370,123	370,550	371,395	373,750	375,998	378,354	380,607
Carroll County, Ohio	28,836	28,834	28,846	28,820	28,538	28,257	28,129	27,718	27,621	27,324
Champaign County, Ohio	40,097	40,101	40,078	39,824	39,573	39,461	39,078	38,963	38,741	38,851
Clark County, Ohio	138,333	138,339	138,274	137,811	137,171	136,638	136,311	135,746	134,723	134,549
Clermont County, Ohio	197,363	197,366	197,604	198,859	199,487	200,447	201,454	201,995	203,165	204,260
Clinton County, Ohio	42,040	42,048	41,922	41,913	41,819	41,864	41,805	41,839	41,887	42,004
Columbiana County, Ohio	107,841	107,852	107,890	107,419	106,620	105,959	105,621	104,714	103,817	103,062
Coshocton County, Ohio	36,901	36,900	36,938	36,931	36,823	36,723	36,531	36,577	36,617	36,536
Crawford County, Ohio	43,784	43,783	43,754	43,310	42,776	42,713	42,407	42,324	42,095	41,710
Cuyahoga County, Ohio	1,280,122	1,280,114	1,278,088	1,270,331	1,266,106	1,265,442	1,263,201	1,258,739	1,254,144	1,247,581
Darke County, Ohio	52,959	52,968	52,963	52,653	52,515	52,306	52,184	51,981	51,624	51,549
Defiance County, Ohio	39,037	39,026	39,082	39,005	38,827	38,564	38,525	38,326	38,140	38,156
Delaware County, Ohio	174,214	174,172	175,099	178,535	181,127	185,380	189,440	193,391	197,144	200,870
Erie County, Ohio	77,079	77,063	76,978	76,687	76,428	76,053	75,809	75,360	74,999	74,760
Fairfield County, Ohio	146,156	146,194	146,417	147,174	147,301	148,796	150,360	151,254	152,789	154,686
Fayette County, Ohio	29,030	29,034	29,014	28,867	28,767	28,686	28,650	28,611	28,670	28,639
Franklin County, Ohio	1,163,414	1,163,476	1,166,202	1,180,800	1,199,045	1,218,878	1,238,362	1,257,386	1,274,450	1,295,510
Fulton County, Ohio	42,698	42,698	42,629	42,363	42,330	42,199	42,403	42,301	42,306	42,265
Gallia County, Ohio	30,934	30,942	31,072	31,031	30,886	30,685	30,463	30,249	30,186	30,162

Annual Estimates of the Resident Population for Counties in Ohio: April 1, 2010 to July 1, 2019

Geauga County, Ohio	93,389	93,405	93,389	93,292	93,771	93,846	93,979	93,894	93,845	93,881
Greene County, Ohio	161,573	161,577	161,588	163,566	164,335	163,907	164,673	164,272	165,290	166,566
Guernsey County, Ohio	40,087	40,092	40,155	39,910	39,876	39,706	39,690	39,392	39,211	39,066
Hamilton County, Ohio	802,374	802,371	802,278	800,658	802,409	805,182	807,617	809,527	811,332	814,170
Hancock County, Ohio	74,782	74,789	74,689	74,912	75,459	75,581	75,281	75,678	75,831	75,973
Hardin County, Ohio	32,058	32,063	32,127	31,806	31,632	31,747	31,784	31,616	31,398	31,329
Harrison County, Ohio	15,864	15,860	15,825	15,790	15,684	15,602	15,519	15,395	15,252	15,202
Henry County, Ohio	28,215	28,215	28,171	28,002	27,824	27,824	27,597	27,481	27,282	27,179
Highland County, Ohio	43,589	43,606	43,621	43,378	42,964	43,195	43,093	42,960	43,006	42,903
Hocking County, Ohio	29,380	29,369	29,478	29,466	29,304	28,653	28,743	28,500	28,393	28,436
Holmes County, Ohio	42,366	42,363	42,473	42,793	43,128	43,604	43,788	43,882	43,847	43,895
Huron County, Ohio	59,626	59,623	59,560	59,416	59,204	58,825	58,610	58,307	58,367	58,393
Jackson County, Ohio	33,225	33,219	33,248	33,124	32,869	32,801	32,761	32,559	32,528	32,386
Jefferson County, Ohio	69,709	69,716	69,670	69,035	68,538	68,168	67,876	67,495	66,944	66,318
Knox County, Ohio	60,921	60,928	61,090	61,283	60,764	60,858	61,000	61,001	60,909	61,271
Lake County, Ohio	230,041	230,051	230,014	229,988	229,564	230,075	229,857	229,836	229,525	230,159
Lawrence County, Ohio	62,450	62,448	62,424	62,415	62,146	61,858	61,539	60,923	60,691	60,075
Licking County, Ohio	166,492	166,482	166,705	167,164	167,589	168,461	169,410	170,611	171,993	173,617
Logan County, Ohio	45,858	45,848	45,743	45,623	45,410	45,393	45,473	45,250	45,128	45,198
Lorain County, Ohio	301,356	301,374	301,478	301,874	301,712	303,098	304,464	305,417	306,607	307,441
Lucas County, Ohio	441,815	441,815	441,434	439,359	436,753	436,156	434,585	433,633	432,879	431,039
Madison County, Ohio	43,435	43,438	43,434	43,114	42,991	43,256	43,980	44,139	43,377	44,041
Mahoning County, Ohio	238,823	238,787	238,381	237,363	235,702	234,393	233,391	231,846	230,269	229,791
Marion County, Ohio	66,501	66,505	66,458	66,599	66,277	65,964	65,791	65,431	65,467	65,076
Medina County, Ohio	172,332	172,333	172,509	173,504	173,623	174,639	175,855	176,126	176,876	178,176
Meigs County, Ohio	23,770	23,767	23,731	23,648	23,572	23,443	23,277	23,180	23,166	23,071
Mercer County, Ohio	40,814	40,816	40,788	40,715	40,705	40,615	40,730	40,723	40,715	40,858
Miami County, Ohio	102,506	102,503	102,487	102,734	102,934	103,213	103,856	104,075	104,553	105,200
Monroe County, Ohio	14,642	14,631	14,609	14,613	14,502	14,503	14,357	14,253	14,083	13,931
Montgomery County, Ohio	535,153	535,200	535,597	534,558	534,334	534,270	532,488	531,777	531,818	531,467
Morgan County, Ohio	15,054	15,044	15,034	15,036	14,930	14,894	14,730	14,735	14,733	14,644

Annual Estimates of the Resident Population for Counties in Ohio: April 1, 2010 to July 1, 2019

Morrow County, Ohio	34,827	34,825	34,790	34,810	34,834	34,846	34,937	34,943	34,922	34,911
Muskingum County, Ohio	86,074	86,086	86,214	86,243	85,794	85,649	85,905	86,194	85,993	86,123
Noble County, Ohio	14,645	14,655	14,660	14,752	14,677	14,678	14,532	14,467	14,441	14,400
Ottawa County, Ohio	41,428	41,433	41,359	41,320	41,242	41,035	40,903	40,754	40,488	40,623
Paulding County, Ohio	19,614	19,610	19,557	19,369	19,248	19,143	18,975	18,959	18,839	18,831
Perry County, Ohio	36,058	36,037	36,037	36,232	35,984	36,000	35,926	35,967	35,998	35,972
Pickaway County, Ohio	55,698	55,684	55,740	55,948	56,237	56,355	56,704	56,989	57,545	57,740
Pike County, Ohio	28,709	28,571	28,612	28,479	28,371	28,272	28,181	28,117	28,093	28,088
Portage County, Ohio	161,419	161,424	161,386	161,875	161,383	161,695	162,463	162,594	162,521	162,473
Preble County, Ohio	42,270	42,254	42,170	41,986	41,812	41,671	41,495	41,297	41,157	41,116
Putnam County, Ohio	34,499	34,496	34,476	34,385	34,207	34,123	34,198	34,026	34,007	33,860
Richland County, Ohio	124,475	124,474	124,162	123,144	122,633	122,314	121,999	121,688	121,242	120,430
Ross County, Ohio	78,064	78,076	78,098	77,581	77,341	77,283	77,095	77,049	76,848	77,295
Sandusky County, Ohio	60,944	60,946	60,885	60,609	60,467	60,049	59,827	59,475	59,317	59,093
Scioto County, Ohio	79,499	79,650	79,664	79,408	78,783	78,304	77,476	76,992	76,436	75,976
Seneca County, Ohio	56,745	56,742	56,618	56,522	56,106	55,847	55,803	55,650	55,467	55,267
Shelby County, Ohio	49,423	49,455	49,349	49,259	49,159	49,203	48,995	49,030	48,765	48,738
Stark County, Ohio	375,586	375,591	375,372	374,511	374,891	375,108	375,546	374,715	373,447	372,003
Summit County, Ohio	541,781	541,772	541,645	541,325	540,726	541,926	542,445	541,788	541,003	541,514
Trumbull County, Ohio	210,312	210,332	209,840	208,834	207,191	206,328	204,973	203,328	201,715	200,281
Tuscarawas County, Ohio	92,582	92,585	92,543	92,483	92,413	92,602	92,652	92,739	92,560	92,308
Union County, Ohio	52,300	52,331	52,464	53,095	52,796	53,436	53,773	54,388	55,581	56,798
Van Wert County, Ohio	28,744	28,759	28,678	28,625	28,636	28,347	28,334	28,319	28,177	28,283
Vinton County, Ohio	13,435	13,430	13,405	13,380	13,221	13,303	13,210	13,082	13,022	13,082
Warren County, Ohio	212,693	212,798	213,429	215,332	217,212	219,216	221,267	223,864	226,539	228,709
Washington County, Ohio	61,778	61,787	61,713	61,607	61,447	61,364	61,160	61,020	60,598	60,491
Wayne County, Ohio	114,520	114,516	114,394	114,649	115,029	115,400	115,912	116,214	116,613	116,168
Williams County, Ohio	37,642	37,652	37,512	37,584	37,521	37,426	37,195	37,007	36,937	36,707
Wood County, Ohio	125,488	125,489	125,950	127,124	128,425	129,013	129,337	129,285	129,768	130,437
Wyandot County, Ohio	22,615	22,617	22,588	22,643	22,545	22,460	22,283	22,176	22,071	22,063

Note: The estimates are based on the 2010 Census and reflect changes to the April 1, 2010 population due to the Count Question Resolution program and geographic program revisions. All geographic boundaries for the 2019 population estimates are as of estimates methodology statements, see <http://www.census.gov/programs-surveys/popest/technical-documentation/methodology.html>.

Annual Estimates of the Resident Population for Counties in Ohio: April 1, 2010 to July 1, 2019

Suggested Citation:

Annual Estimates of the Resident Population for Counties in Ohio: April 1, 2010 to July 1, 2019 (CO-EST2019-ANNRES-39)

Source: U.S. Census Bureau, Population Division

Release Date: March 2020

Annual Estimates of the Resident Population for	
Geographic Area	2018
Ohio	11,676,341
Adams County, Ohio	27,694
Allen County, Ohio	102,725
Ashland County, Ohio	53,706
Ashtabula County, Ohio	97,587
Athens County, Ohio	65,519
Auglaize County, Ohio	45,736
Belmont County, Ohio	67,533
Brown County, Ohio	43,570
Butler County, Ohio	382,000
Carroll County, Ohio	27,082
Champaign County, Ohio	38,785
Clark County, Ohio	134,528
Clermont County, Ohio	205,526
Clinton County, Ohio	42,085
Columbiana County, Ohio	102,473
Coshocton County, Ohio	36,596
Crawford County, Ohio	41,484
Cuyahoga County, Ohio	1,241,718
Darke County, Ohio	51,299
Defiance County, Ohio	38,089
Delaware County, Ohio	205,091
Erie County, Ohio	74,513
Fairfield County, Ohio	155,982
Fayette County, Ohio	28,653
Franklin County, Ohio	1,307,698
Fulton County, Ohio	42,267
Gallia County, Ohio	29,945

Annual Estimates of the Resident Population for

Geauga County, Ohio	93,945
Greene County, Ohio	167,446
Guernsey County, Ohio	39,011
Hamilton County, Ohio	815,445
Hancock County, Ohio	75,920
Hardin County, Ohio	31,418
Harrison County, Ohio	15,167
Henry County, Ohio	27,091
Highland County, Ohio	43,052
Hocking County, Ohio	28,357
Holmes County, Ohio	43,919
Huron County, Ohio	58,364
Jackson County, Ohio	32,366
Jefferson County, Ohio	65,774
Knox County, Ohio	61,900
Lake County, Ohio	230,102
Lawrence County, Ohio	59,767
Licking County, Ohio	175,666
Logan County, Ohio	45,332
Lorain County, Ohio	309,052
Lucas County, Ohio	429,612
Madison County, Ohio	44,389
Mahoning County, Ohio	229,216
Marion County, Ohio	65,427
Medina County, Ohio	178,978
Meigs County, Ohio	23,064
Mercer County, Ohio	40,952
Miami County, Ohio	106,042
Monroe County, Ohio	13,787
Montgomery County, Ohio	531,600
Morgan County, Ohio	14,581

Annual Estimates of the Resident Population for	
Morrow County, Ohio	35,113
Muskingum County, Ohio	86,131
Noble County, Ohio	14,347
Ottawa County, Ohio	40,769
Paulding County, Ohio	18,742
Perry County, Ohio	36,039
Pickaway County, Ohio	58,077
Pike County, Ohio	27,932
Portage County, Ohio	162,502
Preble County, Ohio	41,011
Putnam County, Ohio	33,802
Richland County, Ohio	120,987
Ross County, Ohio	76,884
Sandusky County, Ohio	58,740
Scioto County, Ohio	75,480
Seneca County, Ohio	55,194
Shelby County, Ohio	48,622
Stark County, Ohio	371,248
Summit County, Ohio	541,353
Trumbull County, Ohio	198,539
Tuscarawas County, Ohio	92,079
Union County, Ohio	57,782
Van Wert County, Ohio	28,253
Vinton County, Ohio	13,145
Warren County, Ohio	231,945
Washington County, Ohio	60,111
Wayne County, Ohio	115,790
Williams County, Ohio	36,739
Wood County, Ohio	130,441
Wyandot County, Ohio	21,918
Note: The estimates are based on the 2010 Census and reflect January 1, 2019. For estimates methodology statements, see http://www.census.gov	

Annual Estimates of the Resident Population for

Suggested Citation:

Annual Estimates of the Resident Population for Counties

Source: U.S. Census Bureau, Population Division

Release Date: March 2020

Annual Estimates of the Resident Population for	
Geographic Area	2019
Ohio	11,689,100
Adams County, Ohio	27,698
Allen County, Ohio	102,351
Ashland County, Ohio	53,484
Ashtabula County, Ohio	97,241
Athens County, Ohio	65,327
Auglaize County, Ohio	45,656
Belmont County, Ohio	67,006
Brown County, Ohio	43,432
Butler County, Ohio	383,134
Carroll County, Ohio	26,914
Champaign County, Ohio	38,885
Clark County, Ohio	134,083
Clermont County, Ohio	206,428
Clinton County, Ohio	41,968
Columbiana County, Ohio	101,883
Coshocton County, Ohio	36,600
Crawford County, Ohio	41,494
Cuyahoga County, Ohio	1,235,072
Darke County, Ohio	51,113
Defiance County, Ohio	38,087
Delaware County, Ohio	209,177
Erie County, Ohio	74,266
Fairfield County, Ohio	157,574
Fayette County, Ohio	28,525
Franklin County, Ohio	1,316,756
Fulton County, Ohio	42,126
Gallia County, Ohio	29,898

Annual Estimates of the Resident Population for	
Geauga County, Ohio	93,649
Greene County, Ohio	168,937
Guernsey County, Ohio	38,875
Hamilton County, Ohio	817,473
Hancock County, Ohio	75,783
Hardin County, Ohio	31,365
Harrison County, Ohio	15,040
Henry County, Ohio	27,006
Highland County, Ohio	43,161
Hocking County, Ohio	28,264
Holmes County, Ohio	43,960
Huron County, Ohio	58,266
Jackson County, Ohio	32,413
Jefferson County, Ohio	65,325
Knox County, Ohio	62,322
Lake County, Ohio	230,149
Lawrence County, Ohio	59,463
Licking County, Ohio	176,862
Logan County, Ohio	45,672
Lorain County, Ohio	309,833
Lucas County, Ohio	428,348
Madison County, Ohio	44,731
Mahoning County, Ohio	228,683
Marion County, Ohio	65,093
Medina County, Ohio	179,746
Meigs County, Ohio	22,907
Mercer County, Ohio	41,172
Miami County, Ohio	106,987
Monroe County, Ohio	13,654
Montgomery County, Ohio	531,687
Morgan County, Ohio	14,508

Annual Estimates of the Resident Population for	
Morrow County, Ohio	35,328
Muskingum County, Ohio	86,215
Noble County, Ohio	14,424
Ottawa County, Ohio	40,525
Paulding County, Ohio	18,672
Perry County, Ohio	36,134
Pickaway County, Ohio	58,457
Pike County, Ohio	27,772
Portage County, Ohio	162,466
Preble County, Ohio	40,882
Putnam County, Ohio	33,861
Richland County, Ohio	121,154
Ross County, Ohio	76,666
Sandusky County, Ohio	58,518
Scioto County, Ohio	75,314
Seneca County, Ohio	55,178
Shelby County, Ohio	48,590
Stark County, Ohio	370,606
Summit County, Ohio	541,013
Trumbull County, Ohio	197,974
Tuscarawas County, Ohio	91,987
Union County, Ohio	58,988
Van Wert County, Ohio	28,275
Vinton County, Ohio	13,085
Warren County, Ohio	234,602
Washington County, Ohio	59,911
Wayne County, Ohio	115,710
Williams County, Ohio	36,692
Wood County, Ohio	130,817
Wyandot County, Ohio	21,772
Note: The estimates are based on the 2010 Census and reflect population estimates methodology statements, see http://www.census.gov	

Annual Estimates of the Resident Population for
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Suggested Citation:

Annual Estimates of the Resident Population for Counties

Source: U.S. Census Bureau, Population Division
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Release Date: March 2020

DiRossi, Ray

From: Matt.Redfield@development.ohio.gov
Sent: Tuesday, February 16, 2021 2:26 PM
To: DiRossi, Ray; Tommy.Rolf@development.ohio.gov
Subject: Re: Data on DSA web site
Attachments: SubCountyEstimates2019.xlsx; AlternativeLayoutSubCoEstimates.xlsx

Ray,

Please find the requested files attached. The file SubCountyEstimates2019 is the spreadsheet of the report posted on our site. If you are looking for the population for a city/village that is located in multiple counties, there is a tab for Whole Places at the end of the file.

The file AlternativeLayoutSubCoEstimates is another way we share the data. The big difference is that the township figures are for the parts of townships that are outside the boundaries of villages if the township includes incorporated places. For places that are located in multiple counties, the population within the county are shown beside the total population for the place. It also lists which county the majority of the population resides.

Let me know if you have any further questions.

Matt Redfield

From: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Sent: Monday, February 15, 2021 10:15 AM
To: Redfield, Matthew <Matt.Redfield@development.ohio.gov>; Rolf, Thomas <Tommy.Rolf@development.ohio.gov>
Subject: RE: Data on DSA web site

Thanks Matt

From: Matt.Redfield@development.ohio.gov [Matt.Redfield@development.ohio.gov]
Sent: Monday, February 15, 2021 8:18 AM
To: DiRossi, Ray; Tommy.Rolf@development.ohio.gov
Subject: Re: Data on DSA web site

Ray,

I just asked our team if it is available and will get back to you ASAP.

Best,

Matt

From: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Sent: Sunday, February 14, 2021 8:15 PM
To: Rolf, Thomas <Tommy.Rolf@development.ohio.gov>

Cc: Redfield, Matthew <Matt.Redfield@development.ohio.gov>

Subject: Data on DSA web site

On DSA web site under research

under City, Village and Township Population Estimates

there is a file

2019 Cities, Villages and TWP's by county

Id like that data but need it in an excel sheet

Is that available?

Ray DiRossi

Director of Finance and Budget

Ohio Senate Majority Caucus

Statehouse, Suite 205

Columbus, Ohio 43215



(O) 614.466.4947

(C) 614.578.3848

ray.dirosi@ohiosenate.gov

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DiRossi, Ray

From: DiRossi, Ray
Sent: Wednesday, February 24, 2021 12:11 PM
To: Baker, Stephanie
Subject: RE: NCSL: Census Delays, Legislative Oversight and Fiscal Briefs

please continue to send
thank you

From: Baker, Stephanie <Stephanie.Baker@ohiosenate.gov>
Sent: Wednesday, February 24, 2021 9:41 AM
To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Subject: FW: NCSL: Census Delays, Legislative Oversight and Fiscal Briefs

IDK if you get these emails as well.

Their next update is on March 5th at 2pm

<https://www.ncsl.org/research/redistricting/2020-census-updates.aspx>

Stephanie Baker

Ohio Senate
Majority Caucus
(614) 466-7186

From: Stacy Householder [<mailto:Stacy.Householder@ncsl.org>]
Sent: Tuesday, February 23, 2021 6:57 PM
To: Stacy Householder
Cc: Amanda Essex
Subject: NCSL: Census Delays, Legislative Oversight and Fiscal Briefs

Dear Ohio Legislative Staff:

The NCSL biweekly report highlights the newest and most up-to-date resources from the National Conference of State Legislatures that may be useful to you during session. Please reach out to NCSL for any research requests: stacy.householder@ncsl.org and Amanda.essex@ncsl.org are at your service!

Updates on Census Delays:

- [NCSL Digital Newsroom | Searching for Silver Linings in Delayed Census Results](#): The Census Bureau's Sept. 30 delays [announcement](#) on Feb. 12 raises the urgency to a whole new level.
- [NCSL Digital Newsroom | More than Ever, Redistricting is Under a Microscope](#): Tune back into NCSL's State Policy 101 session on redistricting with Wendy Underhill and Ben Williams.
- [2020 Census Delays and the Impact on Redistricting](#): NCSL addresses the 2020 Census data delivery timeline in relation to state constitutional & statutory deadlines in 2021 and 2022.
- [Redistricting and Use of Census Data](#): NCSL examines each state's constitution or statutes on mentions of the use of the U.S. Census data for congressional and legislative redistricting.

- [NCSL Digital Newsroom | 5 Ways to Handle Census Delays and Redistricting Deadlines](#): NCSL examines five potential routes states with statutory or constitutional deadline could take.

Latest NCSL Research:

- [Law Enforcement Statutory Database](#): NCSL released a first-of-its kind database of law enforcement statutes related to training, use-of-force standards and more.
- [Women in State Legislatures for 2021](#): Women make up 30.6% of all state legislators nationwide. NCSL analyzed legislators by state and chamber.
- [Female Legislative Leaders 2021](#): Following the 2020 elections, NCSL looked at the number of women in legislative leadership roles by state, chamber and position.
- [Legislative Oversight of Emergency Executive Powers](#): NCSL tracks state statutes defining the legislature's role in acting as a check on the emergency powers of the governors of every state, D.C., Guam, Virgin Islands and Puerto Rico.
- [State Actions on COVID-19](#): An NCSL page updated daily to reflect new resources in policy areas ranging from education to health care costs and access.
- [2021 State Legislative Calendar](#): NCSL provides an interactive map and state-specific information on regular and special session dates.
- [2020 Key Enacted 911 Legislation](#): Includes key 2020 enactments related to the 911 system such as administration, fees and funding, privacy and confidentiality, and E911 and NG911.
- [2019 – 2020 State Legislative Report on Natural Disasters](#): NCSL's Public – Private Partnership on Disaster Relief released its annual report on state policy solutions related to natural disasters.

NCSL in DC

- NCSL advocates on behalf of state legislatures in Washington, D.C. Here are the latest updates from the nation's capital.
- **FY 2021 Appropriations Bill**
Congress passed a [\\$900 billion COVID-relief package](#) and \$1.4 trillion government funding package. NCSL summarizes the \$1.4 billion omnibus appropriations provisions. [Available Here.](#)
- **NCSL Briefs Congress on State – Federal Education Priorities**
NCSL briefed Congress on the need for flexible state and local aid, joined by Delaware Senate President Pro Tempore David Sokola (D) and Utah Senate Majority Whip Ann Millner (R). [Available Here.](#)

NCSL Briefs/Newsletters

- **The Canvass**
Inside the February issue of NCSL's elections newsletter written for lawmakers and their staff: Then and Now – Election Policies in 2000 and 2020. [Available Here.](#)
- **2021 Fiscal Briefs**
As the COVID-19 pandemic persists into 2021, NCSL's February brief reviews COVID-19 liability legislation. [Available Here.](#)
- **LegisBriefs**
NCSL's latest LegisBriefs explore health care prices, promoting FAFSA, apprenticeships and more. [Available Here.](#)

NCSL State Legislatures News:

Read the top stories from NCSL's digital newsroom:

- 3 Strategies Lawmakers Can Use to Check Executive Powers | [Online-only version](#)
- Your Guide to the Ongoing Minimum Wage Debate | [Online-only version](#)
- Policing Policy Trends: Balancing Accountability with Safety | [Online-only version](#)
- As Term – Limit Laws Turn 30, Are States Better Off? | [Online-only version](#)

Stacy Householder and Amanda Essex

National Conference of State Legislatures

Ohio Liaisons

303.476.3336 (m)



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DiRossi, Ray

From: Perera, Brian M. <perera.1@osu.edu>
Sent: Wednesday, April 7, 2021 12:45 PM
To: DiRossi, Ray
Subject: FW: Census delay spells election chaos for states

Thought you'd like the headline...

From: Stateline Daily <outreach@pewtrusts.org>
Sent: Wednesday, April 7, 2021 12:31 PM
To: Perera, Brian M. <perera.1@osu.edu>
Subject: Census delay spells election chaos for states

[View in web browser](#)



Census Delay Spells Election Chaos for States



Some states already have decided to use outdated data for redistricting.

HIGH STAKES

5 STORIES WE'RE READING NOW

Black community leaders put Mississippi on path to vaccine equity

[MISSISSIPPITODAY.ORG](https://mississippitoday.org)

After bearing the brunt of cases and deaths early in the pandemic, Black Mississippians were being shorted at the beginning of the vaccine rollout. A few months later, Mississippi is much closer to vaccine parity, the result of Black doctors, faith leaders and organizers going to the Mississippi State Department of Health with solutions.

Connecticut lawmakers approve governor's marijuana legalization bill but promise additional changes

COURANT.COM

The Connecticut legislature's Judiciary Committee voted to advance a bill that would legalize recreational marijuana, moving the state closer to joining others in the region that have already done so. If approved by the full legislature in the coming months, Connecticut would follow Massachusetts, New Jersey and New York.

New Jersey releases police use of force data on new website

NJ.COM

New Jersey authorities unveiled a trove of data on every use of physical force by officers statewide, providing a level of detail law enforcement leaders said isn't available anywhere else in the country. The interactive portal shows every time cops hit, tackled or shot suspects in recent months, and the data is both viewable online and downloadable.

Arkansas legislature overrides governor's veto of transgender-treatment bill

ARKANSASONLINE.COM

The Arkansas legislature has overturned GOP Gov. Asa Hutchinson's veto of a ban on gender-affirming care for transgender youth, with both chambers voting to override in largely party-line votes.

New law allows roadkill to be picked up in Wyoming

BUCKRAIL.COM

The new law will allow Wyomingites the opportunity to pick up wildlife, "killed as a result of unintentional motor vehicle collisions on any public road or highway." The law requires the collection of the entire animal—both edible and inedible parts. According to the Wyoming Game and Fish

Department, the state averages about 6,000 collisions between vehicles and big game each year.

SEE ALL OF TODAY'S PICKS

For more news about the states from the Pew Charitable Trusts

VISIT STATELINE



This email was sent to perera.1@osu.edu

901 E Street NW, Washington, DC 20004-2008

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DiRossi, Ray

From: DiRossi, Ray
Sent: Thursday, July 22, 2021 9:41 AM
To: 'sales@caliper.com'
Subject: Attn: Tracy

Tracy

Wanted to reach out to see if you received the payment from Ohio LSC Task Force on Redistricting for the 2 Mapitude for Redistricting licenses

I'm told by LSC that the check for \$20,000 was mailed on 19th

I assume once you receive it – you will let me know how to download the software, and all applicable data

Ray DiRossi

Director of Finance and Budget
Ohio Senate Majority Caucus
Statehouse, Suite 205
Columbus, Ohio 43215



(O) 614.466.4947
(C) 614.578.3848
ray.dirossi@ohiosenate.gov

DiRossi, Ray

From: Tracy Horgan <sales@caliper.com>
Sent: Thursday, July 22, 2021 5:01 PM
To: DiRossi, Ray
Subject: Re: (Case CC320695) Attn: Tracy

Hi, Ray,

Thank you for your message. I have checked with our Finance Department who tells me we have not yet received payment.

Please let us know if we can be of further assistance.

Tracy Horgan

Director, Redistricting Services | Caliper Corporation

1172 Beacon St, Ste 300 • Newton MA 02461 USA
Direct: 617-431-4155 • Main: 617-527-4700
sales@caliper.com • www.redistricting.com
Maptitude for Redistricting is the ultimate tool for effective redistricting

-----Original Message-----

From: "DiRossi, Ray" <Ray.DiRossi@ohiosenate.gov>
Reply-To: "DiRossi, Ray" <Ray.DiRossi@ohiosenate.gov>
Date: Thu, 22 Jul 2021 13:41:13 +0000
To: "'sales@caliper.com'" <sales@caliper.com>
Subject: Attn: Tracy

>Tracy

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>Wanted to reach out to see if you received the payment from Ohio LSC Task Force on Redistricting for the 2
Maptitude for Redistricting licenses
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>I'm told by LSC that the check for \$20,000 was mailed on 19th
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>I assume once you receive it – you will let me know how to download the software, and all applicable data
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>Ray DiRossi
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>Director of Finance and Budget
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>Ohio Senate Majority Caucus
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>Statehouse, Suite 205
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>Columbus, Ohio 43215
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>
>(O) 614.466.4947
>
>(C) 614.578.3848
>
>ray.dirossi@ohiosenate.gov

DiRossi, Ray

From: Ray DiRossi <raydirossi@gmail.com>
Sent: Friday, July 23, 2021 9:23 PM
To: DiRossi, Ray
Subject: Fwd: Maptitude for Redistricting Software

----- Forwarded message -----

From: Ray DiRossi <raydirossi@gmail.com>
Date: Sun, Jul 11, 2021 at 7:40 PM
Subject: Maptitude for Redistricting Software
To: <sales@caliper.com>

Please call

Ray DiRossi
614.466.4947
Senate Majority Caucus
Director of Budget and Finance

Need to renew or buy 2 licenses for Ohio use

time sensitive

I left a message with someone on the phone number last Wednesday afternoon

Thanks

Ray

From: Ray DiRossi <raydirossi@gmail.com>
Sent: Friday, July 23, 2021 9:24 PM
To: DiRossi, Ray
Subject: Fwd: (Case CC319513) - Ray DiRossi / Ohio Redistricting software

From: **Ray DiRossi** <raydirossi@gmail.com>
Date: Wed, Jul 14, 2021 at 8:21 AM
Subject: Re: (Case CC319513) - Ray DiRossi / Ohio Redistricting software
To: Tracy Horgan <sales@caliper.com>

On Wed, Jul 14, 2021 at 4:59 AM Tracy Horgan <sales@caliper.com> wrote:

It was nice speaking with you. I have attached the invoice you requested.

Director, Redistricting Services | Caliper Corporation

Mapitude for Redistricting is the ultimate tool for effective redistricting

From: "Ray DiRossi" <raydirossi@gmail.com>
Reply-To: "Ray DiRossi" <raydirossi@gmail.com>
Date: Mon, 12 Jul 2021 17:00:26 -0400
To: "sales@caliper.com" <sales@caliper.com>
Subject: Ray DiRossi / Ohio Redistricting software

>Tracy

>Great talking with you today
>Can you send me an invoice for 2 licenses for Maptitude for Redistricting
>
>I'm also interested in what the costs are to extend the 5-year license longer and or also extend the 1-year product support
>
>Thanks
>
>Very anxious to order ASAP
>
>Ray DiRossi
>614.578.3848
>
>raydirossi@gmail.com

HUFFMAN 001897

>
>
>
>I'm told by LSC that the check for \$20,000 was mailed on 19th
>
>
>
>I assume once you receive it – you will let me know how to download the software, and all applicable data
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>Ray DiRossi
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>Director of Finance and Budget
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>Statehouse, Suite 205
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>Columbus, Ohio 43215
>
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>
>
>(O) 614.466.4947
>
>(C) 614.578.3848
>
>ray.dirossi@ohiosenate.gov

DiRossi, Ray

From: Stewart Berry <sales@caliper.com>
Sent: Monday, July 26, 2021 11:15 AM
To: DiRossi, Ray
Subject: Re: (Case CC320695) Attn: Tracy

Thank you for contacting us.

In answer to your questions:

Yes, we absolutely will.

I would be happy to help further.

--
Stewart Berry
Caliper Corporation
sales@caliper.com

www.MappingSoftware.com

Reviews ★★★★★: www.caliper.com/press/testimonials.htm

Case studies: www.caliper.com/map-software/case-studies/mapping-software-case-studies.htm

-----Original Message-----

From: "DiRossi, Ray" <Ray.DiRossi@ohiosenate.gov>
Reply-To: "DiRossi, Ray" <Ray.DiRossi@ohiosenate.gov>
Date: Mon, 26 Jul 2021 13:27:12 +0000
To: "Tracy Horgan" <sales@caliper.com>
Subject: RE: (Case CC320695) Attn: Tracy

>Tracy

>

>I assume you will contact me when the check has been received and clears.... so we can get the 2 download keys for the software and 2010 Ohio data package (geography and population and split blocks)

>

>Ray

>

>

>

>From: Tracy Horgan <sales@caliper.com>

>Sent: Thursday, July 22, 2021 5:01 PM

>To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>

>Subject: Re: (Case CC320695) Attn: Tracy

>

>

>

>Hi, Ray,

>
>Thank you for your message. I have checked with our Finance Department who tells me we have not yet received payment.
>
>Please let us know if we can be of further assistance.
>
>Tracy Horgan
>
>Director, Redistricting Services | Caliper Corporation
>
>|||||
>
>1172 Beacon St, Ste 300 • Newton MA 02461 USA
>
>Direct: 617-431-4155 • Main: 617-527-4700
>
>sales@caliper.com • www.redistricting.com
>
>Maptitude for Redistricting is the ultimate tool for effective redistricting

DiRossi, Ray



From: Barron, John
Sent: Thursday, July 29, 2021 11:25 AM
To: DiRossi, Ray; Strigari, Frank
Subject: FW: Caliper invoice

FYI



From: "Wendy.Zhan@lsc.ohio.gov" <Wendy.Zhan@lsc.ohio.gov>
Date: Thursday, July 29, 2021 at 10:56 AM
To: "Barron, John" <John.Barron@ohiosenate.gov>
Subject: Caliper invoice

Will these help? I think it is most likely due to the slow USPS delivery these days since it was paid by check. (Liz told me that it took 12 days for a card from her parents to arrive). We cannot initiate an ETF payment process. The vendors would have to do it.

Payment Inquiry Result

 					
Payment Details		Additional Info	Supplier Details	Financial Gateway	>
Actions	Source	Payment Reference ID	Payment Method	Amount	Currency
▼ Actions	VCHR	0044931448	System Check	20,000.00	USD

Payment Inquiry Result

 				
Payment Details		Additional Info	Supplier Details	Financial Gateway
>				
Actions	Source	Payment Reference ID	Supplier Name	Supplier ID
▼ Actions	VCHR	0044931448	CALIPER CORPORATION	000000

DiRossi, Ray

From: Stewart Berry <sales@caliper.com>
Sent: Thursday, July 29, 2021 4:42 PM
To: DiRossi, Ray
Cc: Strigari, Frank
Subject: Re: (Case CC320695) Attn: Tracy

Hi, Ray- did you issue a PO for this or did Caliper/Maptitude issue a quote?

Talk soon.

Stewart Berry

 | Vice President of Product Management, Mapping Software

stewart@caliper.com | +1 617-431-4211 | MappingSoftware.com

Maptitude mapping software ★★★★★

Location Aptitude for Everyone™

-----Original Message-----

From: "DiRossi, Ray" <Ray.DiRossi@ohiosenate.gov>
Reply-To: "DiRossi, Ray" <Ray.DiRossi@ohiosenate.gov>
Date: Thu, 22 Jul 2021 13:41:13 +0000
To: "'sales@caliper.com'" <sales@caliper.com>
Subject: Attn: Tracy

>Tracy

>

>

>

>Wanted to reach out to see if you received the payment from Ohio LSC Task Force on Redistricting for the 2 Maptitude for Redistricting licenses

>

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>I'm told by LSC that the check for \$20,000 was mailed on 19th

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>I assume once you receive it – you will let me know how to download the software, and all applicable data

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>Ray DiRossi
>
>Director of Finance and Budget
>
>Ohio Senate Majority Caucus
>
>Statehouse, Suite 205
>
>Columbus, Ohio 43215
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>
>(O) 614.466.4947
>
>(C) 614.578.3848
>
>ray.dirossi@ohiosenate.gov

DiRossi, Ray

From: Strigari, Frank
Sent: Thursday, July 29, 2021 4:43 PM
To: Stewart Berry
Cc: DiRossi, Ray
Subject: Re: (Case CC320695) Attn: Tracy

Stewart,

I'm gonna send you the document you need in 1 minute.

Frank

Sent from my iPhone

On Jul 29, 2021, at 4:41 PM, Stewart Berry <sales@caliper.com> wrote:

Hi, Ray- did you issue a PO for this or did Caliper/Maptitude issue a quote?

Talk soon.

Stewart Berry



| Vice President of Product Management, Mapping Software

stewart@caliper.com | +1 617-431-4211 | MappingSoftware.com

Maptitude mapping software ★★★★★

Location Aptitude for Everyone™

-----Original Message-----

From: "DiRossi, Ray" <Ray.DiRossi@ohiosenate.gov>
Reply-To: "DiRossi, Ray" <Ray.DiRossi@ohiosenate.gov>
Date: Thu, 22 Jul 2021 13:41:13 +0000
To: "'sales@caliper.com'" <sales@caliper.com>
Subject: Attn: Tracy

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>(O) 614.466.4947
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>(C) 614.578.3848
>
>ray.dirossi@ohiosenate.gov

DiRossi, Ray

From: Ray DiRossi <raydirossi@gmail.com>
Sent: Friday, July 30, 2021 9:55 AM
To: DiRossi, Ray
Subject: Fwd: Your Order From the Caliper Online Store

----- Forwarded message -----

From: <DoNotReply@caliper.com>
Date: Thu, Jul 29, 2021 at 1:15 PM
Subject: Your Order From the Caliper Online Store
To: <raydirossi@gmail.com>

Caliper

If you are unable to see the email below, please email sales@caliper.com.



Maptitude
Geographic Information System

Thanks for your order, Ray DiRossi!

The following products are ready to be downloaded:

Item	File Size (Gb)
Maptitude Redist 2021 Program	1.35 Gb
USA Country Package 2021	9.25 Gb
2020 Ohio Preliminary Redistricting Data	1.0 Mb

The serial number of your license is

1TR-719-FDM-100-PPS

Download Now (via EXE file)

NOTE: This download will expire on 7/29/2022

This e-mail was sent from a notification-only address that cannot accept incoming e-mail. To troubleshoot download problems, please visit our [download help page](#) online.

Caliper Corporation, 1172 Beacon Street, Suite 300, Newton, MA 02461-9926, USA

E-mail: sales@caliper.com

Phone: +1-617-527-4700

Fax: +1-617-527-5113

Web site: <http://www.MappingSoftware.com>

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DiRossi, Ray

From: Ray DiRossi <raydirossi@gmail.com>
Sent: Friday, July 30, 2021 4:34 PM
To: Caliper Finance
Cc: DiRossi, Ray
Subject: Re: Invoice 67193 from Caliper Corporation
Attachments: Inv_67193_from_Caliper_Corporation_17388.pdf

Thank you
please make the following email address change in your system

raydirossi@gmail.com

change email to

Ray.DiRossi@ohiosenate.gov

Thanks

On Fri, Jul 30, 2021 at 1:06 PM Caliper Finance <finance@caliper.com> wrote:

Caliper Corporation

Invoice Due: 07/29/2021
67193

Amount Due: **\$0.00**

Dear Customer:

Attached, please find your Caliper invoice # 67193.

If you have any questions, please let us know.

Thank you for your business - we appreciate it very much.

Sincerely,

Caliper Sales

Caliper Corporation
1172 Beacon St
Newton, MA 02461
(617) 527-4700



County	2020 County Pop	2020 ratios @ 119,186	HDs per 2011	2020 ratios @ 357,559	SDs per 2011
Franklin	1,323,807	11.107	10	3.70	3+
Cuyahoga	1,264,817	10.612	11	3.54	3+
Hamilton	830,639	6.969	7	2.32	2+
Summit	540,428	4.534	4+	1.51	1+
Montgomery	537,309	4.508	4+	1.50	1+
Lucas	431,279	3.619	3+	1.21	1+
Butler	390,357	3.275	3+	1.09	1+
Stark	374,853	3.145	3+	1.05	1+
Lorain	312,964	2.626	2+	0.88	
Warren	242,337	2.033	1+	0.68	
Lake	232,603	1.952	2	0.65	
Mahoning	228,614	1.918	2	0.64	
Delaware	214,124	1.797	1+	0.60	
Clermont	208,601	1.750	1+	0.58	
Trumbull	201,977	1.695	1+	0.56	
Medina	182,470	1.531	1+	0.51	
Licking	178,519	1.498	1+	0.50	
Greene	167,966	1.409	1+	0.47	
Portage	161,791	1.357	1+	0.45	
Fairfield	158,921	1.333	1+	0.44	
Clark	136,001	1.141	1+	0.38	
Wood	132,248	1.110	1	0.37	
Richland	124,936	1.048	1	0.35	
Wayne	116,894	0.981	1	0.33	
Miami	108,774	0.913		0.30	
Allen	102,206	0.858	1	0.29	
Columbiana	101,877	0.855	1	0.28	
Ashtabula	97,574	0.819		0.27	
Geauga	95,397	0.800		0.27	
Tuscarawas	93,263	0.782		0.26	
Muskingum	86,410	0.725		0.24	
Ross	77,093	0.647		0.22	
Erie	75,622	0.634		0.21	

County	2020 County Pop	2020 ratios @ 119,186	HDs per 2011	2020 ratios @ 357,559	SDs per 2011
Hancock	74,920	0.629		0.21	
Scioto	74,008	0.621		0.21	
Belmont	66,497	0.558		0.19	
Marion	65,359	0.548		0.18	
Jefferson	65,249	0.547		0.18	
Union	62,784	0.527		0.18	
Knox	62,721	0.526		0.18	
Athens	62,431	0.524		0.17	
Washington	59,771	0.501		0.17	
Sandusky	58,896	0.494		0.16	
Huron	58,565	0.491		0.16	
Pickaway	58,539	0.491		0.16	
Lawrence	58,240	0.489		0.16	
Seneca	55,069	0.462		0.15	
Ashland	52,447	0.440		0.15	
Darke	51,881	0.435		0.15	
Shelby	48,230	0.405		0.13	
Auglaize	46,422	0.389		0.13	
Logan	46,150	0.387		0.13	
Holmes	44,223	0.371		0.12	
Madison	43,824	0.368		0.12	
Brown	43,676	0.366		0.12	
Highland	43,317	0.363		0.12	
Fulton	42,713	0.358		0.12	
Mercer	42,528	0.357		0.12	
Crawford	42,025	0.353		0.12	
Clinton	42,018	0.353		0.12	
Preble	40,999	0.344		0.11	
Ottawa	40,364	0.339		0.11	
Champaign	38,714	0.325		0.11	
Guernsey	38,438	0.323		0.11	
Defiance	38,286	0.321		0.11	
Williams	37,102	0.311		0.10	

County	2020 County Pop	2020 ratios @ 119,186	HDs per 2011	2020 ratios @ 357,559	SDs per 2011
Coshocton	36,612	0.307		0.10	
Perry	35,408	0.297		0.10	
Morrow	34,950	0.293		0.10	
Putnam	34,451	0.289		0.10	
Jackson	32,653	0.274		0.09	
Hardin	30,696	0.258		0.09	
Gallia	29,220	0.245		0.08	
Fayette	28,951	0.243		0.08	
Van Wert	28,931	0.243		0.08	
Hocking	28,050	0.235		0.08	
Henry	27,662	0.232		0.08	
Adams	27,477	0.231		0.08	
Pike	27,088	0.227		0.08	
Carroll	26,721	0.224		0.07	
Meigs	22,210	0.186		0.06	
Wyandot	21,900	0.184		0.06	
Paulding	18,806	0.158		0.05	
Harrison	14,483	0.122		0.04	
Noble	14,115	0.118		0.04	
Morgan	13,802	0.116		0.04	
Monroe	13,385	0.112		0.04	
Vinton	12,800	0.107		0.04	
	11,799,448	99		33	

Article XI - Legislative

§ 03* [Effective 1/1/2021] Requirements for drawing House of Representatives districts

(A) The whole population of the state, as determined by the federal decennial census or, if such is unavailable, such other basis as the general assembly may direct, shall be divided by the number "ninety-nine" and by the number "thirty-three" and the quotients shall be the ratio of representation in the house of representatives and in the senate, respectively, for ten years next succeeding such redistricting.

§ 07* [Effective 1/1/2021] Political subdivision boundaries to be used

Notwithstanding the fact that boundaries of counties, municipal corporations, and townships within a district may be changed, district boundaries shall be created by using the boundaries of counties, municipal corporations, and townships as they exist at the time of the federal decennial census on which the redistricting is based, or, if unavailable, on such other basis as the general assembly has directed.

Article XIX - Congressional

§ 02 Requirements for drawing congressional districts

(A)(1) Each congressional district shall be entitled to a single representative in the United States house of representatives in each congress.

(2) The whole population of the state, as determined by the federal decennial census or, if the federal decennial census is unavailable, another basis as directed by the general assembly, shall be divided by the number of congressional districts apportioned to the state pursuant to Section 2 of Article I of the Constitution of the United States, and the quotient shall be the congressional ratio of representation for the next ten years.

(3) Notwithstanding the fact that boundaries of counties, municipal corporations, and townships within a district may be changed, district boundaries shall be created by using the data from the most recent federal decennial census or from the basis directed by the general assembly, as applicable.

Article XVIII of the Ohio Constitution

entitled Municipal Corporations

Section 1 Classification

Municipal corporations are hereby classified into cities and villages. All such corporations having a population of five thousand or over shall be cities; all others shall be villages. The method of transition from one class to the other shall be regulated by law.

Office	District	First	Last	Party	Term Limit	Address	City	State	Zip	Zip plus 4
Rep.	1	Scott	Wiggam	(R)	2026	316 E. Beverly Road	Wooster	Ohio	44691	
Rep.	2	Marilyn	John	(R)	2028	21 Cold Draw Court	Shelby	Ohio	44875	
Rep.	3	Haraz	Ghanbari	(R)	2028	26811 Dogwood Lane	Perrysburg	Ohio	43551	
Rep.	4	Robert	Cupp	(R)	2022	3003 W. Hume Road	Lima	Ohio	45806	9452
Rep.	5	Timothy	Ginter	(R)	2022	875 Homewood Avenue	Salem	Ohio	44460	
Rep.	6	Phillip	Robinson	(D)	2026	7099 Longview Drive	Solon	Ohio	44139	
Rep.	7	Thomas	Patton	(R)	2024	17157 Rabbit Run Drive	Strongsville	Ohio	44136	6243
Rep.	8	Kent	Smith	(D)	2022	34 E. 290th Street	Euclid	Ohio	44123	
Rep.	9	Janine	Boyd	(D)	2022	1366 Cleveland Heights Boulevard	Cleveland Heights	Ohio	44121	
Rep.	10	Terrence	Upchurch	(D)	2026	1426 Clearaire Road	Cleveland	Ohio	44110	
Rep.	11	Stephanie	Howse	(D)	2022	1804 E. 93rd Street	Cleveland	Ohio	44106	
Rep.	12	Juanita	Brent	(D)	2026	16804 Glendale Avenue	Cleveland	Ohio	44128	
Rep.	13	Michael	Skindell	(D)	2026	16800 Delaware Avenue	Lakewood	Ohio	44107	5517
Rep.	14	Bride	Sweeney	(D)	2026	3632 W. 133rd Street	Cleveland	Ohio	44111	
Rep.	15	Jeffrey	Crossman	(D)	2026	6429 S. Park Boulevard	Parma	Ohio	44134	
Rep.	16	Monique	Smith	(D)	2028	19793 Coffinberry Boulevard	Fairview Park	Ohio	44126	
Rep.	17	Adam	Miller	(D)	2024	1600 Roxbury Road	Columbus	Ohio	43212	
Rep.	18	Kristin	Boggs	(D)	2024	834 Hamlet Street	Columbus	Ohio	43215	
Rep.	19	Mary	Lightbody	(D)	2026	4948 E. Walnut Street	Westerville	Ohio	43081	
Rep.	20	Richard	Brown	(D)	2026	7559 Bruns Court	Canal Winchester	Ohio	43110	
Rep.	21	Beth	Liston	(D)	2026	2193 Stratingham Drive	Dublin	Ohio	43016	
Rep.	22	David	Leland	(D)	2022	361 Walhalla Road	Columbus	Ohio	43202	
Rep.	23	Laura	Lanese	(R)	2024	2315 Milligan Grove	Grove City	Ohio	43123	
Rep.	24	Allison	Russo	(D)	2026	1850 Tewksbury Road	Upper Arlington	Ohio	43221	
Rep.	25	Dontavius	Jarrells	(D)	2028	1245 Mt. Vernon Avenue Apt. 3H	Columbus	Ohio	43203	
Rep.	26	VACANT	VACANT							
Rep.	27	Thomas	Brinkman	(R)	2022	3215 Hardisty Avenue	Cincinnati	Ohio	45208	3006
Rep.	28	Jessica	Miranda	(D)	2026	11511 Oxfordshire Lane	Cincinnati	Ohio	45240	
Rep.	29	Cynthia	Abrams	(R)	2028	92 Fawn Drive	Harrison	Ohio	45030	
Rep.	30	William	Seitz	(R)	2024	2097 Beech Grove Drive	Cincinnati	Ohio	45233	4915
Rep.	31	Brigid	Kelly	(D)	2024	3421 Traskwood Circle Apt. D	Cincinnati	Ohio	45208	
Rep.	32	Catherine	Ingram	(D)	2024	250 Dorchester Avenue	Cincinnati	Ohio	45219	
Rep.	33	Sedrick	Denson	(D)	2026	8298 Kingsmere Court	Cincinnati	Ohio	45231	
Rep.	34	Emilia	Sykes	(D)	2022	109 N. Howard Street Unit A	Akron	Ohio	44308	
Rep.	35	Tavia	Galonski	(D)	2026	1137 Allendale Avenue	Akron	Ohio	44306	
Rep.	36	Robert	Young	(R)	2028	2037 Greensburg Road	North Canton	Ohio	44720	
Rep.	37	Casey	Weinstein	(D)	2026	8 N. Westhaven Drive	Hudson	Ohio	44236	
Rep.	38	William	Roemer	(R)	2026	3616 Southern Road	Richfield	Ohio	44286	
Rep.	39	Willis	Blackshear	(D)	2028	531 Belmont Park N. Apt. 411	Dayton	Ohio	45405	
Rep.	40	Philip	Plummer	(R)	2026	1831 Kershner Road	Dayton	Ohio	45414	
Rep.	41	Andrea	White	(R)	2028	4744 Bokay Drive	Kettering	Ohio	45440	
Rep.	42	Tom	Young	(R)	2028	1121 Cedar Creek Circle	Dayton	Ohio	45459	

Shelby in Richland County

Euclid

Office	District	First	Last	Party	Term Limit	Address	City	State	Zip	Zip plus 4
Rep.	43	Rodney	Creech	(R)	2028	5062 Bantas Creek Road	West Alexandria	Ohio	45381	
Rep.	44	Paula	Hicks-Hudson	(D)	2026	2633 Robinwood Avenue	Toledo	Ohio	43610	
Rep.	45	Lisa	Sobecki	(D)	2026	2714 117th Street	Toledo	Ohio	43611	
Rep.	46	Michael	Sheehy	(D)	2022	1129 Schmidlin Road	Oregon	Ohio	43616	
Rep.	47	Derek	Merrin	(R)	2024	4623 Lakeside Drive Unit 3109	Maumee	Ohio	43537	
Rep.	48	Scott	Oelslager	(R)	2026	215 North Circle Drive SW.	North Canton	Ohio	44709	
Rep.	49	Thomas	West	(D)	2024	625 12th Street NW.	Canton	Ohio	44703	
Rep.	50	Reginald	Stoltzfus	(R)	2026	13789 Telpahak Street SE.	Minerva	Ohio	44657	
Rep.	51	Sara	Carruthers	(R)	2026	601 Glenway Drive	Hamilton	Ohio	45013	
Rep.	52	Jennifer	Gross	(R)	2028	7350 Lakota Springs Drive	West Chester	Ohio	45069	
Rep.	53	Thomas	Hall	(R)	2028	6364 Trenton Franklin Road	Middletown	Ohio	45042	
Rep.	54	Paul	Zeltwanger	(R)	2022	4607 White Blossom Boulevard	Mason	Ohio	45040	
Rep.	55	Gayle	Manning	(R)	2026	9436 Foxboro Drive	North Ridgeville	Ohio	44039	
Rep.	56	Joseph	Miller	(D)	2026	433 Northpointe Boulevard	Amherst	Ohio	44001	
Rep.	57	Dick	Stein	(R)	2024	2854 State Route 61	Norwalk	Ohio	44857	
Rep.	58	Michele	Lepore-Hagan	(D)	2022	562 Madera Avenue	Youngstown	Ohio	44504	
Rep.	59	Al	Cutrona	(R)	2028	3755 Mercedes Place Unit 9	Canfield	Ohio	44406	
Rep.	60	Dan	Troy	(D)	2028	31600 Lakeshore Boulevard Apt. 37	Willowick	Ohio	44095	
Rep.	61	Jamie	Callender	(R)	2026	9920 Ashwood Trail	Concord	Ohio	44060	
Rep.	62	Scott	Lipps	(R)	2024	157 Millard Drive	Franklin	Ohio	45005	
Rep.	63	Michael	Loychik	(R)	2028	4022 Westlake Road	Cortland	Ohio	44410	
Rep.	64	Michael	O'Brien	(D)	2022	1849 Edgewood NE.	Warren	Ohio	44483	
Rep.	65	Jean	Schmidt	(R)	2028	771 Wards Corner Road	Loveland	Ohio	45140	9049
Rep.	66	Adam	Bird	(R)	2028	3562 Behymer Road	Cincinnati	Ohio	45245	
Rep.	67	Kris	Jordan	(R)	2026	7740 Marysville Road	Ostrander	Ohio	43061	
Rep.	68	Rick	Carfagna	(R)	2024	6155 Baneberry Drive	Westerville	Ohio	43082	
Rep.	69	Sharon	Ray	(R)	2028	283 Stratford Avenue	Wadsworth	Ohio	44281	
Rep.	70	Darrell	Kick	(R)	2024	8050 Twp Road 462	Loudonville	Ohio	44842	
Rep.	71	Mark	Fraizer	(R)	2028	20 W. North Street	Newark	Ohio	43055	
Rep.	72	Kevin	Miller	(R)	2030	6170 Pleasant Chapel Road	Newark	Ohio	43056	
Rep.	73	Brian	Lampton	(R)	2028	960 N Fairfield Road	Beavercreek	Ohio	45434	
Rep.	74	Bill	Dean	(R)	2024	649 N Monroe Drive	Xenia	Ohio	45385	
Rep.	75	Gail	Pavliga	(R)	2028	1965 New Milford Road	Atwater	Ohio	44201	
Rep.	76	Diane	Grendell	(R)	2028	7413 Tattersall Street	Chesterland	Ohio	44026	2036
Rep.	77	Jeffrey	LaRe	(R)	2028	7587 Cumberland Circle	Canal Winchester	Ohio	43110	
Rep.	78	Brian	Stewart	(R)	2028	15075 Home Court	Ashville	Ohio	43103	
Rep.	79	Kyle	Koehler	(R)	2022	4674 Hominy Ridge Road	Springfield	Ohio	45502	
Rep.	80	Jena	Powell	(R)	2026	8172 State Route 722	Arcanum	Ohio	45304	
Rep.	81	James	Hoops	(R)	2026	195 Old Creek Drive	Napoleon	Ohio	43545	9632
Rep.	82	Craig	Riedel	(R)	2024	1246 Hilton Head Court	Defiance	Ohio	43512	
Rep.	83	Jon	Cross	(R)	2026	16511 Maureen Drive	Kenton	Ohio	43326	
Rep.	84	Susan	Manchester	(R)	2026	29566 State Route 385	Lakeview	Ohio	43331	

Office	District	First	Last	Party	Term Limit	Address	City	State	Zip	Zip plus 4
Rep.	85	Nino	Vitale	(R)	2022	4940 Benson Road	Urbana	Ohio	43078	
Rep.	86	Tracy	Richardson	(R)	2026	1807 Chiprock Drive	Marysville	Ohio	43040	
Rep.	87	Riordan	McClain	(R)	2024	7915 Township Highway 136	Nevada	Ohio	44849	
Rep.	88	Gary	Click	(R)	2028	1473 County Road 268	Vickery	Ohio	43464	
Rep.	89	DJ	Swearingen	(R)	2028	3806 Lawrence Avenue	Huron	Ohio	44839	
Rep.	90	Brian	Baldrige	(R)	2026	14475 State Route 136	Winchester	Ohio	45697	
Rep.	91	Shane	Wilkin	(R)	2026	4151 E. Danville Road	Hillsboro	Ohio	45133	
Rep.	92	Mark	Johnson	(R)	2028	330 Red Bud Road	Chillicothe	Ohio	45601	
Rep.	93	Jason	Stephens	(R)	2028	26 CO. Road 230	Kitts Hill	Ohio	45645	
Rep.	94	James	Edwards	(R)	2024	3 Blair Court	Nelsonville	Ohio	45764	
Rep.	95	Don	Jones	(R)	2026	34755 Jones Road	Freeport	Ohio	43973	
Rep.	96	Ron	Ferguson	(R)	2028	299 Orlando Manor	Wintersville	Ohio	43953	
Rep.	97	Adam	Holmes	(R)	2028	5480 Creamery Road	Nashport	Ohio	43830	
Rep.	98	Brett	Hillyer	(R)	2026	3837 Clay Court SE.	Dennison	Ohio	44621	
Rep.	99	Sarah	Fowler Arthur	(R)	2028	710 Garrison Road	Ashtabula	Ohio	44004	
Sen.	1	Robert	McColley	(R)	2026	15 Lemans Drive	Napoleon	Ohio	43545	
Sen.	2	Theresa	Gavarone	(R)	2028	1537 Cedar Lane	Bowling Green	Ohio	43402	
Sen.	3	Tina	Maharath	(D)	2026	85 E. Hocking Street	Canal Winchester	Ohio	43110	
Sen.	4	George	Lang	(R)	2028	7277 St. Ives Place	West Chester	Ohio	45069	
Sen.	5	Stephen	Huffman	(R)	2026	862 Buckeye Court	Tipp City	Ohio	45371	
Sen.	6	Niraj	Antani	(R)	2028	8547 White Cedar Drive Apt. 321	Miamisburg	Ohio	45342	
Sen.	7	Stephen	Wilson	(R)	2026	4905 Water Stone Lane	Maineville	Ohio	45039	
Sen.	8	Louis	Blessing	(R)	2026	3378 Dolomar Drive	Cincinnati	Ohio	45239	
Sen.	9	Cecil	Thomas	(D)	2024	515 Clinton Springs Avenue	Cincinnati	Ohio	45217	
Sen.	10	Bob	Hackett	(R)	2024	2050 Palouse Drive	London	Ohio	43140	
Sen.	11	Teresa	Fedor	(D)	2026	3708 S. Beverly Hills Drive	Toledo	Ohio	43614	
Sen.	12	Matt	Huffman	(R)	2024	2220 Merit Avenue	Lima	Ohio	45805	
Sen.	13	Nathan	Manning	(R)	2026	38179 Terrell Drive	North Ridgeville	Ohio	44039	
Sen.	14	Terry	Johnson	(R)	2028	74 A McDaniel Road	McDermott	Ohio	45652	
Sen.	15	Hearcel	Craig	(D)	2028	1026 Linwood Avenue	Columbus	Ohio	43206	
Sen.	16	Stephanie	Kunze	(R)	2024	6555 Longshore Street Unit 416	Dublin	Ohio	43017	
Sen.	17	Bob	Peterson	(R)	2022	5564 Grassy Branch Road	Sabina	Ohio	45169	
Sen.	18	Jerry	Cirino	(R)	2028	8651 Kirtland-Chardon Road	Kirtland	Ohio	44094	
Sen.	19	Andrew	Brenner	(R)	2026	102 W. Lincoln Avenue	Deleware	Ohio	43015	
Sen.	20	Tim	Schaffer	(R)	2028	1173 Stone Run Court	Lancaster	Ohio	43130	
Sen.	21	Sandra	Williams	(D)	2022	12518 Fairhill Road	Cleveland	Ohio	44120	
Sen.	22	Mark	Romanchuk	(R)	2028	3306 Oakstone Drive	Mansfield	Ohio	44903	
Sen.	23	Nickie	Antonio	(D)	2026	1305 Belle Avenue	Lakewood	Ohio	44107	
Sen.	24	Matt	Dolan	(R)	2024	515 Solon Road	Chagrin Falls	Ohio	44022	
Sen.	25	Kenny	Yuko	(D)	2022	479 Pierson Drive	Richmond Heights	Ohio	44143	
Sen.	26	Bill	Reineke	(R)	2028	5209 S. State Route 231	Tiffin	Ohio	44883	
Sen.	27	Kristina	Roegner	(R)	2026	1556 E. Hines Hill Road	Hudson	Ohio	44236	

just to the west of stubenville near US 22

HUFFMAN_001921

Office	District	First	Last	Party	Term Limit	Address	City	State	Zip	Zip plus 4
Sen.	28	Vernon	Sykes	(D)	2024	133 Furnace Run Drive	Akron	Ohio	44307	
Sen.	29	Kirk	Schurring	(R)	2026	1817 Devonshire Drive NW	Canton	Ohio	44708	
Sen.	30	Frank	Hoagland	(R)	2024	5751 Township Road 120	Adena	Ohio	43901	
Sen.	31	Jay	Hottinger	(R)	2022	894 Jonathan Lane	Newark	Ohio	43055	
Sen.	32	Sandra	O'Brien	(R)	2028	3434 Stumpville Road	Rome	Ohio	44085	
Sen.	33	Michael	Rulli	(R)	2026	402 Lisbon Road	Salem	Ohio	44460	
US Rep.	1	Steve	Chabot	(R)		3025 Daytona Avenue	Cincinnati	Ohio	45211	
US Rep.	2	Brad	Wenstrup	(R)		512 Missouri Avenue	Cincinnati	Ohio	45226	
US Rep.	3	Joyce	Beatty	(D)		1421 Taylor Corners Circle	Blacklick	Ohio	43004	
US Rep.	4	Jim	Jordan	(R)		1709 S. State Route 560	Urbana	Ohio	43078	
US Rep.	5	Bob	Latta	(R)		1528 Muirfield Drive	Bowling Green	Ohio	43402	
US Rep.	6	Bill	Johnson	(R)		519 5th Street	Marietta	Ohio	45750	
US Rep.	7	Bob	Gibbs	(R)		13871 Township Road 473	Lakeville	Ohio	44638	
US Rep.	8	Warren	Davidson	(R)		18656 Pheasant Point Court	Troy	Ohio	45373	
US Rep.	9	Marcy	Kaptur	(D)		1841 Dority Road	Toledo	Ohio	43615	
US Rep.	10	Mike	Turner	(R)		109 N. Main Street Suite 1103	Dayton	Ohio	45402	
US Rep.	11	Shontel	Brown	(D)		4660 Belfiore Road	Cleveland	Ohio	44128	
US Rep.	12	Troy	Balderson	(R)		417 Coventry Circle	Zanesville	Ohio	43701	
US Rep.	13	Tim	Ryan	(D)		560 Ameber Drive SE	Warren	Ohio	44484	
US Rep.	14	David	Joyce	(R)		406 Deer Court	Chagrin Falls	Ohio	44022	
US Rep.	15	Mike	Carey	(R)		1017 City Park Avenue	Columbus	Ohio	43206	
US Rep.	16	Anthony	Gonzalez	(R)		1150 Homeland Drive	Rocky River	Ohio	44116	

Ohio County	April 1, 2010		Population Estimate (as of July 1: 2020 Actual as of August 12)										2020 Census	delta vs 2019
	Census	Estimates Base	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
.Adams	28,550	28,541	28,537	28,459	28,293	28,089	28,066	27,926	27,807	27,753	27,694	27,698	27,477	(221)
.Allen	106,331	106,313	106,358	105,988	105,244	105,055	104,848	104,095	103,613	103,093	102,725	102,351	102,206	(145)
.Ashland	53,139	53,140	53,321	53,252	53,239	53,153	53,161	53,310	53,520	53,662	53,706	53,484	52,447	(1,037)
.Ashtabula	101,497	101,489	101,403	101,085	100,252	99,746	99,027	98,404	98,171	97,748	97,587	97,241	97,574	333
.Athens	64,757	64,764	65,173	65,079	64,610	64,594	64,783	65,886	66,352	66,503	65,519	65,327	62,431	(2,896)
.Auglaize	45,949	45,917	45,898	45,741	45,770	45,801	45,737	45,734	45,766	45,753	45,736	45,656	46,422	766
.Belmont	70,400	70,400	70,333	70,122	69,709	69,563	69,367	68,973	68,606	68,002	67,533	67,006	66,497	(509)
.Brown	44,846	44,826	44,863	44,629	44,281	44,111	43,933	43,697	43,638	43,523	43,570	43,432	43,676	244
.Butler	368,130	368,136	369,102	370,123	370,550	371,395	373,750	375,998	378,354	380,607	382,000	383,134	390,357	7,223
.Carroll	28,836	28,834	28,846	28,820	28,538	28,257	28,129	27,718	27,621	27,324	27,082	26,914	26,721	(193)
.Champaign	40,097	40,101	40,078	39,824	39,573	39,461	39,078	38,963	38,741	38,851	38,785	38,885	38,714	(171)
.Clark	138,333	138,339	138,274	137,811	137,171	136,638	136,311	135,746	134,723	134,549	134,528	134,083	136,001	1,918
.Clermont	197,363	197,366	197,604	198,859	199,487	200,447	201,454	201,995	203,165	204,260	205,526	206,428	208,601	2,173
.Clinton	42,040	42,048	41,922	41,913	41,819	41,864	41,805	41,839	41,887	42,004	42,085	41,968	42,018	50
.Columbiana	107,841	107,852	107,890	107,419	106,620	105,959	105,621	104,714	103,817	103,062	102,473	101,883	101,877	(6)
.Coshocton	36,901	36,900	36,938	36,931	36,823	36,723	36,531	36,577	36,617	36,536	36,596	36,600	36,612	12
.Crawford	43,784	43,783	43,754	43,310	42,776	42,713	42,407	42,324	42,095	41,710	41,484	41,494	42,025	531
.Cuyahoga	1,280,122	1,280,114	1,278,088	1,270,331	1,266,106	1,265,442	1,263,201	1,258,739	1,254,144	1,247,581	1,241,718	1,235,072	1,264,817	29,745
.Darke	52,959	52,968	52,963	52,653	52,515	52,306	52,184	51,981	51,624	51,549	51,299	51,113	51,881	768
.Defiance	39,037	39,026	39,082	39,005	38,827	38,564	38,525	38,326	38,140	38,156	38,089	38,087	38,286	199
.Delaware	174,214	174,172	175,099	178,535	181,127	185,380	189,440	193,391	197,144	200,870	205,091	209,177	214,124	4,947
.Erie	77,079	77,063	76,978	76,687	76,428	76,053	75,809	75,360	74,999	74,760	74,513	74,266	75,622	1,356
.Fairfield	146,156	146,194	146,417	147,174	147,301	148,796	150,360	151,254	152,789	154,686	155,982	157,574	158,921	1,347
.Fayette	29,030	29,034	29,014	28,867	28,767	28,686	28,650	28,611	28,670	28,639	28,653	28,525	28,951	426
.Franklin	1,163,414	1,163,476	1,166,202	1,180,800	1,199,045	1,218,878	1,238,362	1,257,386	1,274,450	1,295,510	1,307,698	1,316,756	1,323,807	7,051
.Fulton	42,698	42,698	42,629	42,363	42,330	42,199	42,403	42,301	42,306	42,265	42,267	42,126	42,713	587
.Gallia	30,934	30,942	31,072	31,031	30,886	30,685	30,463	30,249	30,186	30,162	29,945	29,898	29,220	(678)
.Geauga	93,389	93,405	93,389	93,292	93,771	93,846	93,979	93,894	93,845	93,881	93,945	93,649	95,397	1,748
.Greene	161,573	161,577	161,588	163,566	164,335	163,907	164,673	164,272	165,290	166,566	167,446	168,937	167,966	(971)
.Guernsey	40,087	40,092	40,155	39,910	39,876	39,706	39,690	39,392	39,211	39,066	39,011	38,875	38,438	(437)
.Hamilton	802,374	802,371	802,278	800,658	802,409	805,182	807,617	809,527	811,332	814,170	815,445	817,473	830,639	13,166
.Hancock	74,782	74,789	74,689	74,912	75,459	75,581	75,281	75,678	75,831	75,973	75,920	75,783	74,920	(863)

Ohio County	April 1, 2010		Population Estimate (as of July 1: 2020 Actual as of August 12)										2020 Census	delta vs 2019
	Census	Estimates Base	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
.Hardin	32,058	32,063	32,127	31,806	31,632	31,747	31,784	31,616	31,398	31,329	31,418	31,365	30,696	(669)
.Harrison	15,864	15,860	15,825	15,790	15,684	15,602	15,519	15,395	15,252	15,202	15,167	15,040	14,483	(557)
.Henry	28,215	28,215	28,171	28,002	27,824	27,824	27,597	27,481	27,282	27,179	27,091	27,006	27,662	656
.Highland	43,589	43,606	43,621	43,378	42,964	43,195	43,093	42,960	43,006	42,903	43,052	43,161	43,317	156
.Hocking	29,380	29,369	29,478	29,466	29,304	28,653	28,743	28,500	28,393	28,436	28,357	28,264	28,050	(214)
.Holmes	42,366	42,363	42,473	42,793	43,128	43,604	43,788	43,882	43,847	43,895	43,919	43,960	44,223	263
.Huron	59,626	59,623	59,560	59,416	59,204	58,825	58,610	58,307	58,367	58,393	58,364	58,266	58,565	299
.Jackson	33,225	33,219	33,248	33,124	32,869	32,801	32,761	32,559	32,528	32,386	32,366	32,413	32,653	240
.Jefferson	69,709	69,716	69,670	69,035	68,538	68,168	67,876	67,495	66,944	66,318	65,774	65,325	65,249	(76)
.Knox	60,921	60,928	61,090	61,283	60,764	60,858	61,000	61,001	60,909	61,271	61,900	62,322	62,721	399
.Lake	230,041	230,051	230,014	229,988	229,564	230,075	229,857	229,836	229,525	230,159	230,102	230,149	232,603	2,454
.Lawrence	62,450	62,448	62,424	62,415	62,146	61,858	61,539	60,923	60,691	60,075	59,767	59,463	58,240	(1,223)
.Licking	166,492	166,482	166,705	167,164	167,589	168,461	169,410	170,611	171,993	173,617	175,666	176,862	178,519	1,657
.Logan	45,858	45,848	45,743	45,623	45,410	45,393	45,473	45,250	45,128	45,198	45,332	45,672	46,150	478
.Lorain	301,356	301,374	301,478	301,874	301,712	303,098	304,464	305,417	306,607	307,441	309,052	309,833	312,964	3,131
.Lucas	441,815	441,815	441,434	439,359	436,753	436,156	434,585	433,633	432,879	431,039	429,612	428,348	431,279	2,931
.Madison	43,435	43,438	43,434	43,114	42,991	43,256	43,980	44,139	43,377	44,041	44,389	44,731	43,824	(907)
.Mahoning	238,823	238,787	238,381	237,363	235,702	234,393	233,391	231,846	230,269	229,791	229,216	228,683	228,614	(69)
.Marion	66,501	66,505	66,458	66,599	66,277	65,964	65,791	65,431	65,467	65,076	65,427	65,093	65,359	266
.Medina	172,332	172,333	172,509	173,504	173,623	174,639	175,855	176,126	176,876	178,176	178,978	179,746	182,470	2,724
.Meigs	23,770	23,767	23,731	23,648	23,572	23,443	23,277	23,180	23,166	23,071	23,064	22,907	22,210	(697)
.Mercer	40,814	40,816	40,788	40,715	40,705	40,615	40,730	40,723	40,715	40,858	40,952	41,172	42,528	1,356
.Miami	102,506	102,503	102,487	102,734	102,934	103,213	103,856	104,075	104,553	105,200	106,042	106,987	108,774	1,787
.Monroe	14,642	14,631	14,609	14,613	14,502	14,503	14,357	14,253	14,083	13,931	13,787	13,654	13,385	(269)
.Montgomery	535,153	535,200	535,597	534,558	534,334	534,270	532,488	531,777	531,818	531,467	531,600	531,687	537,309	5,622
.Morgan	15,054	15,044	15,034	15,036	14,930	14,894	14,730	14,735	14,733	14,644	14,581	14,508	13,802	(706)
.Morrow	34,827	34,825	34,790	34,810	34,834	34,846	34,937	34,943	34,922	34,911	35,113	35,328	34,950	(378)
.Muskingum	86,074	86,086	86,214	86,243	85,794	85,649	85,905	86,194	85,993	86,123	86,131	86,215	86,410	195
.Noble	14,645	14,655	14,660	14,752	14,677	14,678	14,532	14,467	14,441	14,400	14,347	14,424	14,115	(309)
.Ottawa	41,428	41,433	41,359	41,320	41,242	41,035	40,903	40,754	40,488	40,623	40,769	40,525	40,364	(161)
.Paulding	19,614	19,610	19,557	19,369	19,248	19,143	18,975	18,959	18,839	18,831	18,742	18,672	18,806	134
.Pickaway	36,058	36,037	36,037	36,232	35,984	36,000	35,926	35,967	35,998	35,972	36,039	36,134	35,408	(726)

Ohio County	April 1, 2010		Population Estimate (as of July 1: 2020 Actual as of August 12)										2020 Census	delta vs 2019
	Census	Estimates Base	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
.Pickaway	55,698	55,684	55,740	55,948	56,237	56,355	56,704	56,989	57,545	57,740	58,077	58,457	58,539	82
.Pike	28,709	28,571	28,612	28,479	28,371	28,272	28,181	28,117	28,093	28,088	27,932	27,772	27,088	(684)
.Portage	161,419	161,424	161,386	161,875	161,383	161,695	162,463	162,594	162,521	162,473	162,502	162,466	161,791	(675)
.Preble	42,270	42,254	42,170	41,986	41,812	41,671	41,495	41,297	41,157	41,116	41,011	40,882	40,999	117
.Putnam	34,499	34,496	34,476	34,385	34,207	34,123	34,198	34,026	34,007	33,860	33,802	33,861	34,451	590
.Richland	124,475	124,474	124,162	123,144	122,633	122,314	121,999	121,688	121,242	120,430	120,987	121,154	124,936	3,782
.Ross	78,064	78,076	78,098	77,581	77,341	77,283	77,095	77,049	76,848	77,295	76,884	76,666	77,093	427
.Sandusky	60,944	60,946	60,885	60,609	60,467	60,049	59,827	59,475	59,317	59,093	58,740	58,518	58,896	378
.Scioto	79,499	79,650	79,664	79,408	78,783	78,304	77,476	76,992	76,436	75,976	75,480	75,314	74,008	(1,306)
.Seneca	56,745	56,742	56,618	56,522	56,106	55,847	55,803	55,650	55,467	55,267	55,194	55,178	55,069	(109)
.Shelby	49,423	49,455	49,349	49,259	49,159	49,203	48,995	49,030	48,765	48,738	48,622	48,590	48,230	(360)
.Stark	375,586	375,591	375,372	374,511	374,891	375,108	375,546	374,715	373,447	372,003	371,248	370,606	374,853	4,247
.Summit	541,781	541,772	541,645	541,325	540,726	541,926	542,445	541,788	541,003	541,514	541,353	541,013	540,428	(585)
.Trumbull	210,312	210,332	209,840	208,834	207,191	206,328	204,973	203,328	201,715	200,281	198,539	197,974	201,977	4,003
.Tuscarawas	92,582	92,585	92,543	92,483	92,413	92,602	92,652	92,739	92,560	92,308	92,079	91,987	93,263	1,276
.Union	52,300	52,331	52,464	53,095	52,796	53,436	53,773	54,388	55,581	56,798	57,782	58,988	62,784	3,796
.Van Wert	28,744	28,759	28,678	28,625	28,636	28,347	28,334	28,319	28,177	28,283	28,253	28,275	28,931	656
.Vinton	13,435	13,430	13,405	13,380	13,221	13,303	13,210	13,082	13,022	13,082	13,145	13,085	12,800	(285)
.Warren	212,693	212,798	213,429	215,332	217,212	219,216	221,267	223,864	226,539	228,709	231,945	234,602	242,337	7,735
.Washington	61,778	61,787	61,713	61,607	61,447	61,364	61,160	61,020	60,598	60,491	60,111	59,911	59,771	(140)
.Wayne	114,520	114,516	114,394	114,649	115,029	115,400	115,912	116,214	116,613	116,168	115,790	115,710	116,894	1,184
.Williams	37,642	37,652	37,512	37,584	37,521	37,426	37,195	37,007	36,937	36,707	36,739	36,692	37,102	410
.Wood	125,488	125,489	125,950	127,124	128,425	129,013	129,337	129,285	129,768	130,437	130,441	130,817	132,248	1,431
.Wyandot	22,615	22,617	22,588	22,643	22,545	22,460	22,283	22,176	22,071	22,063	21,918	21,772	21,900	128
Ohio Total Pop	11,536,504	11,536,751	11,539,336	11,544,663	11,548,923	11,576,684	11,602,700	11,617,527	11,634,370	11,659,650	11,676,341	11,689,100	11,799,448	110,348

Note: The estimates are based on the 2010 Census and reflect changes to the April 1, 2010 population due to the Count Question Resolution program and geographic program revisions. All geographic boundaries for the 2019 population estimates are as of January 1, 2019. For population estimates methodology statements, see <http://www.census.gov/programs-surveys/popest/technical-documentation/methodology.html>.

			2010 As Adopted: Targets of 349,591 / 116,530	2020 Pop Targets of 357,559 / 119,186	2020 As Adopted: Pop Targets of 357,559 / 119,186	# Change: 2010 to 2020	% Change: 2000 to 2010	# Dev from 2020 Targets 357,559 / 119,186	% Dev from 2020 Targets 357,559 / 119,186
1st	Robert McColley -R- (2026)		338,362	335,051		(3,311)	-0.98%	(22,508)	-6.29%
	81	James Hoops -R- (2026)	114,714	113,649		(1,065)	-0.93%	(5,537)	-4.87%
	82	Craig Riedel -R- (2024)	110,749	109,580		(1,169)	-1.06%	(9,606)	-8.77%
	83	Jon Cross -R- (2026)	112,899	111,822		(1,077)	-0.95%	(7,364)	-6.59%
2nd	Theresa Gavarone -R- (2028)		359,415	369,923		10,508	2.92%	12,364	3.46%
	3	Haraz Ghanbari -R- (2028)	125,488	132,248		6,760	5.39%	13,062	9.88%
	47	Derek Merrin -R- (2024)	115,420	121,689		6,269	5.43%	2,503	2.06%
	89	D.J. Swearingen -R- (2028)	118,507	115,986		(2,521)	-2.13%	(3,200)	-2.76%
3rd	Tina Maharath -D- (2026)		340,919	389,681		48,762	14.30%	32,122	8.98%
	17	Adam Miller -D- (2024)	111,745	116,012		4,267	3.82%	(3,174)	-2.74%
	19	Mary Lightbody -D- (2026)	112,092	133,846		21,754	19.41%	14,660	10.95%
	20	Richard Brown -D- (2026)	117,082	139,823		22,741	19.42%	20,637	14.76%
4th	George Lang -R- (2028)		349,627	371,446		21,819	6.24%	13,887	3.88%
	51	Sara Carruthers -R- (2026)	113,750	117,607		3,857	3.39%	(1,579)	-1.34%
	52	Jennifer Gross -R- (2028)	118,753	130,619		11,866	9.99%	11,433	8.75%
	53	Thomas Hall -R- (2028)	117,124	123,220		6,096	5.20%	4,034	3.27%
5th	Steve Huffman -R- (2026)		352,888	350,118		(2,770)	-0.78%	(7,441)	-2.08%
HUFFMAN_00126	39	Willis Blackshear -D- (2028)	112,153	107,022		(5,131)	-4.58%	(12,164)	-11.37%
	43	Rodney Creech -R- (2028)	119,092	115,542		(3,550)	-2.98%	(3,644)	-3.15%
	80	Jena Powell -R- (2026)	121,643	127,554		5,911	4.86%	8,368	6.56%
6th	Niraj Antani - R- (2028)		346,178	355,744		9,566	2.76%	(1,815)	-0.51%
	40	Phil Plummer -R- (2026)	117,941	119,235		1,294	1.10%	49	0.04%
	41	Andrea White -R- (2028)	116,940	118,659		1,719	1.47%	(527)	-0.44%
	42	Tom Young -R- (2028)	111,297	117,850		6,553	5.89%	(1,336)	-1.13%

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7th	Steve Wilson - R- (2026)		343,989	377,822		33,833	9.84%	20,263	5.67%
	27	Tom Brinkman -R- (2022)	112,793	116,574		3,781	3.35%	(2,612)	-2.24%
	54	Paul Zeltwanger -R- (2022)	120,278	131,917		11,639	9.68%	12,731	9.65%
	62	Scott Lipps -R- (2024)	110,919	129,331		18,412	16.60%	10,145	7.84%
8th	Bill Blessing -R- (2028)		346,661	357,412		10,751	3.10%	(147)	-0.04%
	28	Jessica Miranda -D- (2026)	120,572	125,471		4,899	4.06%	6,285	5.01%
	29	Cindy Abrams -R- (2028)	114,308	118,485		4,177	3.65%	(701)	-0.59%
	30	Bill Seitz -R- (2024)	111,781	113,456		1,675	1.50%	(5,730)	-5.05%
9th	Cecil Thomas -D- (2022)		342,920	356,653		13,733	4.00%	(906)	-0.25%
	31	Brigid Kelly -D- (2024)	111,683	117,263		5,580	5.00%	(1,923)	-1.64%
	32	Catherine Ingram -D- (2024)	119,852	125,392		5,540	4.62%	6,206	4.95%
	33	Sedrick Denson -D- (2026)	111,385	113,998		2,613	2.35%	(5,188)	-4.55%
10th	Bob Hackett -R- (2024)		343,341	347,791		4,450	1.30%	(9,768)	-2.73%
	73	Brian Lampton -R- (2028)	111,783	117,889		6,106	5.46%	(1,297)	-1.10%
	74	Bill Dean -R- (2024)	112,375	113,207		832	0.74%	(5,979)	-5.28%
	79	Kyle Koehler -R- (2022)	119,183	116,695		(2,488)	-2.09%	(2,491)	-2.13%
11th	Teresa Fedor -D- (2026)		354,735	337,869		(16,866)	-4.75%	(19,690)	-5.51%
HUFFMAN_001927	44	Paula Hicks-Hudson -D- (2026)	119,905	108,500		(11,405)	-9.51%	(10,686)	-9.85%
	45	Lisa Sobecki -D- (2026)	115,247	113,664		(1,583)	-1.37%	(5,522)	-4.86%
	46	Michale Sheehy -D- (2022)	119,583	115,705		(3,878)	-3.24%	(3,481)	-3.01%
12th	Matt Huffman -R- (2024)		332,881	327,588		(5,293)	-1.59%	(29,971)	-8.38%
	4	Robert Cupp -R- (2022)	106,331	102,206		(4,125)	-3.88%	(16,980)	-16.61%
	84	Susan Manchester -R- (2026)	115,213	116,562		1,349	1.17%	(2,624)	-2.25%
	85	Nino Vitale -R- (2022)	111,337	108,820		(2,517)	-2.26%	(10,366)	-9.53%

			2010 As Adopted: Targets of 349,591 / 116,530	2020 Pop Targets of 357,559 / 119,186	2020 As Adopted: Pop Targets of 357,559 / 119,186	# Change: 2010 to 2020	% Change: 2000 to 2010	# Dev from 2020 Targets 357,559 / 119,186	% Dev from 2020 Targets 357,559 / 119,186
13th	Nathan Manning -R- (2026)		360,982	371,529		10,547	2.92%	13,970	3.91%
	55	Gayle Manning -R- (2026)	118,505	122,869		4,364	3.68%	3,683	3.00%
	56	Joe Miller -D- (2026)	120,219	121,855		1,636	1.36%	2,669	2.19%
	57	Dick Stein -R- (2024)	122,258	126,805		4,547	3.72%	7,619	6.01%
14th	Terry Johnson -R- (2028)		364,479	367,038		2,559	0.70%	9,479	2.65%
	65	Jean Schmidt -R- (2028)	122,159	129,051		6,892	5.64%	9,865	7.64%
	66	Adam Bird -R- (2028)	120,050	123,226		3,176	2.65%	4,040	3.28%
	90	Brian Baldridge -R- (2026)	122,270	114,761		(7,509)	-6.14%	(4,425)	-3.86%
15th	Hearcel Craig -D- (2026)		355,792	398,245		42,453	11.93%	40,686	11.38%
	18	Kristin Boggs -D- (2024)	115,001	136,039		21,038	18.29%	16,853	12.39%
	25	Dontavius Jarrells -D- (2028)	119,779	131,643		11,864	9.90%	12,457	9.46%
	26	VACANT / Crawley	121,012	130,563		9,551	7.89%	11,377	8.71%
16th	Stephanie Kunze -R- (2024)		348,190	402,113		53,923	15.49%	44,554	12.46%
	21	Beth Liston -D- (2026)	117,063	139,857		22,794	19.47%	20,671	14.78%
	23	Laura Lanese -R- (2024)	119,836	136,182		16,346	13.64%	16,996	12.48%
	24	Allison Russo -D- (2026)	111,291	126,074		14,783	13.28%	6,888	5.46%
17th	Bob Peterson -R- (2022)		365,835	357,414		(8,421)	-2.30%	(145)	-0.04%
HUFFMAN_001928	91	Shane Wilkin -R- (2026)	122,263	119,931		(2,332)	-1.91%	745	0.62%
	92	Mark Johnson -R- (2028)	121,567	122,375		808	0.66%	3,189	2.61%
	93	Jason Stephens -R- (2028)	122,005	115,108		(6,897)	-5.65%	(4,078)	-3.54%
18th	Jerry Cirino -R- (2028)		351,462	355,574		4,112	1.17%	(1,985)	-0.56%
	61	Jamie Callender -R- (2026)	117,562	119,146		1,584	1.35%	(40)	-0.03%
	75	Gail Pavliga -R- (2028)	118,137	118,689		552	0.47%	(497)	-0.42%
	76	Diane Grendell -R- (2028)	115,763	117,739		1,976	1.71%	(1,447)	-1.23%

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19th	Andy Brenner -R- (2026)		353,648	410,613		56,965	16.11%	53,054	14.84%
	22	David Leland -D- (2022)	118,513	133,768		15,255	12.87%	14,582	10.90%
	67	Kris Jordan -R- (2026)	118,314	142,650		24,336	20.57%	23,464	16.45%
	68	Rick Carfagna -R- (2024)	116,821	134,195		17,374	14.87%	15,009	11.18%
20th	Tim Schaffer -R- (2028)		354,531	364,362		9,831	2.77%	6,803	1.90%
	77	Jeffrey LaRe -R- (2028)	115,080	125,790		10,710	9.31%	6,604	5.25%
	78	Brian Stewart -R- (2028)	121,666	121,777		111	0.09%	2,591	2.13%
	97	Adam Holmes -R- (2028)	117,784	116,795		(989)	-0.84%	(2,391)	-2.05%
21st	Sandra Williams -D- (2022)		355,295	334,921		(20,374)	-5.73%	(22,638)	-6.33%
	9	Janine Boyd -D- (2022)	121,495	116,195		(5,300)	-4.36%	(2,991)	-2.57%
	10	Terrence Upchurch -D- (2026)	116,644	112,385		(4,259)	-3.65%	(6,801)	-6.05%
	11	Stephanie Howse -D- (2022)	117,155	106,341		(10,814)	-9.23%	(12,845)	-12.08%
22nd	Mark Romanchuk -R- (2028)		362,755	372,953		10,198	2.81%	15,394	4.31%
	2	Marilyn John -R- (2028)	124,475	124,936		461	0.37%	5,750	4.60%
	69	Sharon Ray -R- (2028)	118,560	126,098		7,538	6.36%	6,912	5.48%
	70	Darrell Kick -R- (2024)	119,720	121,919		2,199	1.84%	2,733	2.24%
23rd	Nickie Antonio -D- (2026)		336,603	334,243		(2,360)	-0.70%	(23,316)	-6.52%
HUFFMAN_001129	13	Michael Skindell -D- (2026)	112,814	111,364		(1,450)	-1.29%	(7,822)	-7.02%
	14	Bride Rose Sweeney -D- (2026)	111,546	111,504		(42)	-0.04%	(7,682)	-6.89%
	15	Jeffrey Crossman -D- (2026)	112,243	111,375		(868)	-0.77%	(7,811)	-7.01%
24th	Matt Dolan -R- (2024)		356,286	364,654		8,368	2.35%	7,095	1.98%
	6	Phillip Robinson -D- (2026)	121,333	123,329		1,996	1.65%	4,143	3.36%
	7	Tom Patton -R- (2024)	116,897	119,562		2,665	2.28%	376	0.31%
	16	Monique Smith -D- (2028)	118,056	121,763		3,707	3.14%	2,577	2.12%

			2010 As Adopted: Targets of 349,591 / 116,530	2020 Pop Targets of 357,559 / 119,186	2020 As Adopted: Pop Targets of 357,559 / 119,186	# Change: 2010 to 2020	% Change: 2000 to 2010	# Dev from 2020 Targets 357,559 / 119,186	% Dev from 2020 Targets 357,559 / 119,186
25th	Kenny Yuko -D- (2022)		344,418	344,456		38	0.01%	(13,103)	-3.66%
	8	Kent Smith -D- (2022)	118,631	116,600		(2,031)	-1.71%	(2,586)	-2.22%
	12	Juanita Brent -D- (2026)	113,307	114,399		1,092	0.96%	(4,787)	-4.18%
	60	Dan Troy -D- (2028)	112,479	113,457		978	0.87%	(5,729)	-5.05%
26th	Bill Reineke -R- (2028)		337,716	340,983		3,267	0.97%	(16,576)	-4.64%
	86	Tracy Richardson -R- (2026)	112,079	121,437		9,358	8.35%	2,251	1.85%
	87	Riordan McClain -R- (2024)	111,382	109,504		(1,878)	-1.69%	(9,682)	-8.84%
	88	Gary Click -R- (2028)	114,255	110,042		(4,213)	-3.69%	(9,144)	-8.31%
27th	Kristina Roegner -R- (2026)		343,649	353,299		9,650	2.81%	(4,260)	-1.19%
	1	Scott Wiggam -R- (2026)	114,520	116,894		2,374	2.07%	(2,292)	-1.96%
	37	Casey Weinstein -D- (2026)	116,920	122,719		5,799	4.96%	3,533	2.88%
	38	Bill Romer -R- (2026)	112,209	113,686		1,477	1.32%	(5,500)	-4.84%
28th	Vernon Sykes -D- (2024)		344,366	335,909		(8,457)	-2.46%	(21,650)	-6.05%
	34	Emelia Sykes -D- (2022)	111,642	108,211		(3,431)	-3.07%	(10,975)	-10.14%
	35	Tavia Galonski -D- (2026)	115,499	108,971		(6,528)	-5.65%	(10,215)	-9.37%
	36	Bob Young -R- (2028)	117,225	118,727		1,502	1.28%	(459)	-0.39%
29th	Kirk Schuring -R- (2026)		343,872	342,967		(905)	-0.26%	(14,592)	-4.08%
HUFFMAN_001130	48	Scott Oelslager -R- (2026)	111,367	114,569		3,202	2.88%	(4,617)	-4.03%
	49	Thomas West -D- (2024)	120,749	116,839		(3,910)	-3.24%	(2,347)	-2.01%
	50	Reggie Stoltzfus -R- (2026)	111,757	111,559		(198)	-0.18%	(7,627)	-6.84%
30th	Frank Hoagland -R- (2024)		364,401	345,350		(19,051)	-5.23%	(12,209)	-3.41%
	94	Jay Edwards -R- (2024)	120,181	116,478		(3,703)	-3.08%	(2,708)	-2.32%
	95	Don Jones -R- (2026)	121,921	115,360		(6,561)	-5.38%	(3,826)	-3.32%
	96	Ron Ferguson -R- (2028)	122,299	113,512		(8,787)	-7.18%	(5,674)	-5.00%

			2010 As Adopted: Targets of 349,591 / 116,530	2020 Pop Targets of 357,559 / 119,186	2020 As Adopted: Pop Targets of 357,559 / 119,186	# Change: 2010 to 2020	% Change: 2000 to 2010	# Dev from 2020 Targets 357,559 / 119,186	% Dev from 2020 Targets 357,559 / 119,186
31st Jay Hottinger -R- (2022)			361,590	374,925		13,335	3.69%	17,366	4.86%
71	Mark Frazier -R- (2028)		118,881	127,215		8,334	7.01%	8,029	6.31%
72	Kevin Miller -R- (2030)		120,570	123,324		2,754	2.28%	4,138	3.36%
98	Brett Hillyer -R- (2026)		122,139	124,386		2,247	1.84%	5,200	4.18%
32nd Sandy O'Brien - R- (2028)			332,717	320,311		(12,406)	-3.73%	(37,248)	-10.42%
63	Mike Loychik -R- (2028)		110,994	107,384		(3,610)	-3.25%	(11,802)	-10.99%
64	Michael O'Brien -D- (2022)		110,725	106,108		(4,617)	-4.17%	(13,078)	-12.33%
99	Sarah Fowler Arthur -R- (2028)		110,998	106,819		(4,179)	-3.76%	(12,367)	-11.58%
33rd Michael Rulli -R- (2026)			346,664	330,491		(16,173)	-4.67%	(27,068)	-7.57%
5	Tim Ginter -R- (2022)		107,841	101,877		(5,964)	-5.53%	(17,309)	-16.99%
58	Michele Lepore-Hagan -D- (2022)		121,674	112,969		(8,705)	-7.15%	(6,217)	-5.50%
59	Al Cutrona -R- (2028)		117,149	115,645		(1,504)	-1.28%	(3,541)	-3.06%
Senate District Pop Totals:			11,537,167	11,799,448					
House District Pop Totals:			11,537,166	11,799,448					

2021 10yr look back	Candidate	Democrat	Republican	Candidate	%	%
2020 Presidential	Biden	2,679,165	3,154,834	Trump	45.9%	54.1%
2016 Presidential	Clinton	2,394,164	2,841,005	Trump	45.7%	54.3%
2012 Presidential	Obama	2,827,709	2,661,439	Romney	51.5%	48.5%
2018 US Senate	Brown	2,355,923	2,053,963	Renacci	53.4%	46.6%
2016 US Senate	Strickland	1,996,908	3,118,567	Portman	39.0%	61.0%
2012 US Senate	Brown	2,762,766	2,435,744	Mandel	53.1%	46.9%
2010 US Senate	Fisher	n/a	n/a	Portman		
2018 Governor	Cordray	2,067,847	2,231,917	DeWine	48.1%	51.9%
2018 Auditor	Space	2,006,204	2,152,769	Faber	48.2%	51.8%
2018 SOS	Clyde	2,049,944	2,210,356	LaRose	48.1%	51.9%
2018 Treasurer	Richardson	2,022,016	2,304,444	Sprague	46.7%	53.3%
2018 AG	Dettelbach	2,084,593	2,272,440	Yost	47.8%	52.2%
2014 Governor	Fitzgerald	1,009,359	1,944,848	Kasich	34.2%	65.8%
2014 Auditor	Carney	1,149,305	1,711,927	Yost	40.2%	59.8%
2014 SOS	Turner	1,074,475	1,811,020	Husted	37.2%	62.8%
2014 Treasurer	Pillich	1,323,325	1,724,060	Mandel	43.4%	56.6%
2014 AG	Pepper	1,178,426	1,882,048	DeWine	38.5%	61.5%
2010 Governor	Strickland	n/a	n/a	Kasich		
2010 Auditor	Pepper	n/a	n/a	Yost		
2010 SOS	O'Shaughnessy	n/a	n/a	Husted		
2010 Treasurer	Boyce	n/a	n/a	Mandel		
2010 AG	Cordray	n/a	n/a	Dewine		
Total Votes		30,982,129	36,511,381		721%	879%
		45.9%	54.1%		45.1%	54.9%

Article XIX - Congressional Redistricting

§ 01 Method of adopting congressional redistricting plan

(A) Except as otherwise provided in this section, the general assembly shall be responsible for the redistricting of this state for congress based on the prescribed number of congressional districts apportioned to the state pursuant to Section 2 of Article I of the Constitution of the United States.

Not later than the last day of September of a year ending in the numeral one, the general assembly shall pass a congressional district plan in the form of a bill by the affirmative vote of three-fifths of the members of each house of the general assembly, including the affirmative vote of at least one-half of the members of each of the two largest political parties represented in that house. A congressional district plan that is passed under this division and becomes law shall remain effective until the next year ending in the numeral one, except as provided in Section 3 of this article.

(B) If a congressional district plan is not passed not later than the last day of September of a year ending in the numeral one and filed with the secretary of state in accordance with Section 16 of Article II of this constitution, then the Ohio redistricting commission described in Article XI of this constitution shall adopt a congressional district plan not later than the last day of October of that year by the affirmative vote of four members of the commission, including at least two members of the commission who represent each of the two largest political parties represented in the general assembly. The plan shall take effect upon filing with the secretary of state and shall remain effective until the next year ending in the numeral one, except as provided in Section 3 of this article.

(C)(1) If the Ohio redistricting commission does not adopt a plan not later than the last day of October of a year ending in the numeral one, then the general assembly shall pass a congressional district plan in the form of a bill not later than the last day of November of that year.

(2) If the general assembly passes a congressional district plan under division (C)(1) of this section by the affirmative vote of three-fifths of the members of each house of the general assembly, including the affirmative vote of at least one-third of the members of each of the two largest political parties represented in that house , and the plan becomes law, the plan shall remain effective until the next year ending in the numeral one, except as provided in Section 3 of this article.

(3) If the general assembly passes a congressional district plan under division (C)(1) of this section by a simple majority of the members of each house of the general assembly, and not by the vote described in division (C)(2) of this section, all of the following shall apply:

(a) The general assembly shall not pass a plan that unduly favors or disfavors a political party or its incumbents.

(b) The general assembly shall not unduly split governmental units, giving preference to keeping whole, in the order named, counties, then townships and municipal corporations.

(c) Division (B)(2) of Section 2 of this article shall not apply to the plan. The general assembly shall attempt to draw districts that are compact.

(d) The general assembly shall include in the plan an explanation of the plan's compliance with divisions (C)(3)(a) to (c) of this section.

(e) If the plan becomes law, the plan shall remain effective until two general elections for the United States house of representatives have occurred under the plan, except as provided in Section 3 of this article.

(D) Not later than the last day of September of the year after the year in which a plan expires under division (C)(3)(e) of this section, the general assembly shall pass a congressional district plan in the form of a bill by the affirmative vote of three-fifths of the members of each house of the general assembly, including the affirmative vote of at least one-half of the members of each of the two largest political parties represented in that house. A congressional district plan that is passed under this division and becomes law shall remain effective until the next year ending in the numeral one, except as provided in Section 3 of this article.

A congressional district plan passed under this division shall be drawn using the federal decennial census data or other data on which the previous redistricting was based.

(E) If a congressional district plan is not passed not later than the last day of September of the year after the year in which a plan expires under division (C)(3)(e) of this section and filed with the secretary of state in accordance with Section 16 of Article II of this constitution, then the Ohio redistricting commission described in Article XI of this constitution shall be reconstituted and reconvene and shall adopt a congressional district plan not later than the last day of October of that year by the affirmative vote of four members of the commission, including at least two members of the commission who represent each of the two largest political parties represented in the general assembly. A congressional district plan adopted under this division shall take effect upon filing with the secretary of state and shall remain effective until the next year ending in the numeral one, except as provided in Section 3 of this article.

A congressional district plan adopted under this division shall be drawn using the federal decennial census data or other data on which the previous redistricting was based.

(F)(1) If the Ohio redistricting commission does not adopt a congressional district plan not later than the last day of October of the year after the year in which a plan expires under division (C)(3)(e) of this section, then the general assembly shall pass a congressional district plan in the form of a bill not later than the last day of November of that year.

A congressional district plan adopted under this division shall be drawn using the federal decennial census data or other data on which the previous redistricting was based.

(2) If the general assembly passes a congressional district plan under division (F)(1) of this section by the affirmative vote of three-fifths of the members of each house, including the affirmative vote of at least one-third of the members of each of the two largest political parties represented in that house, and the plan becomes law, it shall remain effective until the next year ending in the numeral one, except as provided in Section 3 of this article.

(3) If the general assembly passes a congressional district plan under division (F)(1) of this section by a simple majority vote of the members of each house of the general assembly,

and not by the vote described in division (F)(2) of this section, all of the following shall apply:

(a) The general assembly shall not pass a plan that unduly favors or disfavors a political party or its incumbents.

(b) The general assembly shall not unduly split governmental units, giving preference to keeping whole, in the order named, counties, then townships and municipal corporations.

(c) Division (B)(2) of Section 2 of this article shall not apply to the plan. The general assembly shall attempt to draw districts that are compact.

(d) The general assembly shall include in the plan an explanation of the plan's compliance with divisions (F)(3)(a) to (c) of this section.

(e) If the plan becomes law, the plan shall remain effective until the next year ending in the numeral one, except as provided in Section 3 of this article.

(G) Before the general assembly passes a congressional district plan under any division of this section, a joint committee of the general assembly shall hold at least two public committee hearings concerning a proposed plan. Before the Ohio redistricting commission adopts a congressional district plan under any division of this section, the commission shall hold at least two public hearings concerning a proposed plan.

(H) The general assembly and the Ohio redistricting commission shall facilitate and allow for the submission of proposed congressional district plans by members of the public. The general assembly shall provide by law the manner in which members of the public may do so.

(I) For purposes of filing a congressional district plan with the governor or the secretary of state under this article, a congressional district plan shall include both a legal description of the boundaries of the congressional districts and all electronic data necessary to create a congressional district map for the purpose of holding congressional elections.

(J) When a congressional district plan ceases to be effective under this article, the district boundaries described in that plan shall continue in operation for the purpose of holding elections until a new congressional district plan takes effect in accordance with this article. If a vacancy occurs in a district that was created under the previous district plan, the election to fill the vacancy for the remainder of the unexpired term shall be held using the previous district plan.

§ 02 Requirements for drawing congressional districts

(A)(1) Each congressional district shall be entitled to a single representative in the United States house of representatives in each congress.

(2) The whole population of the state, as determined by the federal decennial census or, if the federal decennial census is unavailable, another basis as directed by the general assembly, shall be divided by the number of congressional districts apportioned to the state pursuant to Section 2 of Article I of the Constitution of the United States, and the quotient shall be the congressional ratio of representation for the next ten years.

(3) Notwithstanding the fact that boundaries of counties, municipal corporations, and townships within a district may be changed, district boundaries shall be created by using

the data from the most recent federal decennial census or from the basis directed by the general assembly, as applicable.

(B) A congressional district plan shall comply with all of the following requirements:

(1) The plan shall comply with all applicable provisions of the constitutions of Ohio and the United States and of federal law, including federal laws protecting racial minority voting rights.

(2) Every congressional district shall be compact.

(3) Every congressional district shall be composed of contiguous territory, and the boundary of each district shall be a single nonintersecting continuous line.

(4) Except as otherwise required by federal law, in a county that contains a population that exceeds the congressional ratio of representation, the authority drawing the districts shall take the first of the following actions that applies to that county:

(a) If a municipal corporation or township located in that county contains a population that exceeds the congressional ratio of representation, the authority shall attempt to include a significant portion of that municipal corporation or township in a single district and may include in that district other municipal corporations or townships that are located in that county and whose residents have similar interests as the residents of the municipal corporation or township that contains a population that exceeds the congressional ratio of representation. In determining whether the population of a municipal corporation or township exceeds the congressional ratio of representation for the purpose of this division, if the territory of that municipal corporation or township completely surrounds the territory of another municipal corporation or township, the territory of the surrounded municipal corporation or township shall be considered part of the territory of the surrounding municipal corporation or township.

(b) If one municipal corporation or township in that county contains a population of not less than one hundred thousand and not more than the congressional ratio of representation, that municipal corporation or township shall not be split. If that county contains two or more such municipal corporations or townships, only the most populous of those municipal corporations or townships shall not be split.

(5) Of the eighty-eight counties in this state, sixty-five counties shall be contained entirely within a district, eighteen counties may be split not more than once, and five counties may be split not more than twice. The authority drawing the districts may determine which counties may be split.

(6) If a congressional district includes only part of the territory of a particular county, the part of that congressional district that lies in that particular county shall be contiguous within the boundaries of the county.

(7) No two congressional districts shall share portions of the territory of more than one county, except for a county whose population exceeds four hundred thousand.

(8) The authority drawing the districts shall attempt to include at least one whole county in each congressional district. This division does not apply to a congressional district that is contained entirely within one county or that cannot be drawn in that manner while complying with federal law.

(C)(1) Except as otherwise provided in division (C)(2) of this section, for purposes of this article, a county, municipal corporation, or township is considered to be split if, based on the census data used for the purpose of redistricting, any contiguous portion of its territory is not contained entirely within one district.

(2) If a municipal corporation or township has territory in more than one county, the contiguous portion of that municipal corporation or township that lies in each county shall be considered to be a separate municipal corporation or township for purposes of this section.

(SJR 5, 132nd General Assembly, Approved May 8, 2018; Effective 1/1/2021)

§ 03 Jurisdiction of Supreme Court; effect of determination of unconstitutionality

(A) The supreme court of Ohio shall have exclusive, original jurisdiction in all cases arising under this article.

(B)(1) In the event that any section of this constitution relating to congressional redistricting, any congressional district plan, or any congressional district or group of congressional districts is challenged and is determined to be invalid by an unappealed final order of a court of competent jurisdiction then, notwithstanding any other provisions of this constitution, the general assembly shall pass a congressional district plan in accordance with the provisions of this constitution that are then valid, to be used until the next time for redistricting under this article in accordance with the provisions of this constitution that are then valid.

The general assembly shall pass that plan not later than the thirtieth day after the last day on which an appeal of the court order could have been filed or, if the order is not appealable, the thirtieth day after the day on which the order is issued.

A congressional district plan passed under this division shall remedy any legal defects in the previous plan identified by the court but shall include no changes to the previous plan other than those made in order to remedy those defects.

(2) If a new congressional district plan is not passed in accordance with division (B)(1) of this section and filed with the secretary of state in accordance with Section 16 of Article II of this constitution, the Ohio redistricting commission shall be reconstituted and reconvene and shall adopt a congressional district plan in accordance with the provisions of this constitution that are then valid, to be used until the next time for redistricting under this article in accordance with the provisions of this constitution that are then valid.

The commission shall adopt that plan not later than the thirtieth day after the deadline described in division (B)(1) of this section.

A congressional district plan adopted under this division shall remedy any legal defects in the previous plan identified by the court but shall include no other changes to the previous plan other than those made in order to remedy those defects.

Article XI - Apportionment

§ 01* [Effective 1/1/2021] Ohio Redistricting Commission

(A) The Ohio redistricting commission shall be responsible for the redistricting of this state for the general assembly. The commission shall consist of the following seven members:

- (1) The governor;
- (2) The auditor of state;
- (3) The secretary of state;
- (4) One person appointed by the speaker of the house of representatives;
- (5) One person appointed by the legislative leader of the largest political party in the house of representatives of which the speaker of the house of representatives is not a member;
- (6) One person appointed by the president of the senate; and
- (7) One person appointed by the legislative leader of the largest political party in the senate of which the president of the senate is not a member.

No appointed member of the commission shall be a current member of congress.

The legislative leaders in the senate and the house of representatives of each of the two largest political parties represented in the general assembly, acting jointly by political party, shall appoint a member of the commission to serve as a co-chairperson of the commission.

(B)(1) Unless otherwise specified in this article or in Article XIX of this constitution, a simple majority of the commission members shall be required for any action by the commission.

(2)(a) Except as otherwise provided in division (B)(2)(b) of this section, a majority vote of the members of the commission, including at least one member of the commission who is a member of each of the two largest political parties represented in the general assembly, shall be required to do any of the following:

- (i) Adopt rules of the commission;
- (ii) Hire staff for the commission;
- (iii) Expend funds.

(b) If the commission is unable to agree, by the vote required under division (B)(2)(a) of this section, on the manner in which funds should be expended, each co-chairperson of the commission shall have the authority to expend one-half of the funds that have been appropriated to the commission.

(3) The affirmative vote of four members of the commission, including at least two members of the commission who represent each of the two largest political parties represented in the general assembly shall be required to adopt any general assembly district plan. For the purposes of this division and of Section 1 of Article XIX of this constitution, a member of the commission shall be considered to represent a political party if the member was appointed to the commission by a member of that political party or if, in the case of the governor, the auditor of state, or the secretary of state, the member is a member of that political party.

(C) At the first meeting of the commission, which the governor shall convene only in a year ending in the numeral one, except as provided in Sections 8 and 9 of this article and in

Sections 1 and 3 of Article XIX of this constitution, the commission shall set a schedule for the adoption of procedural rules for the operation of the commission.

The commission shall release to the public a proposed general assembly district plan for the boundaries for each of the ninety-nine house of representatives districts and the thirty-three senate districts. The commission shall draft the proposed plan in the manner prescribed in this article. Before adopting, but after introducing, a proposed plan, the commission shall conduct a minimum of three public hearings across the state to present the proposed plan and shall seek public input regarding the proposed plan. All meetings of the commission shall be open to the public. Meetings shall be broadcast by electronic means of transmission using a medium readily accessible by the general public.

The commission shall adopt a final general assembly district plan not later than the first day of September of a year ending in the numeral one. After the commission adopts a final plan, the commission shall promptly file the plan with the secretary of state. Upon filing with the secretary of state, the plan shall become effective.

Four weeks after the adoption of a general assembly district plan or a congressional district plan, whichever is later, the commission shall be automatically dissolved.

(D) The general assembly shall be responsible for making the appropriations it determines necessary in order for the commission to perform its duties under this article and Article XIX of this constitution.

§ 02* [Effective 1/1/2021] Representation

Each house of representatives district shall be entitled to a single representative in each general assembly. Each senate district shall be entitled to a single senator in each general assembly.

§ 03* [Effective 1/1/2021] Requirements for drawing House of Representatives districts

(A) The whole population of the state, as determined by the federal decennial census or, if such is unavailable, such other basis as the general assembly may direct, shall be divided by the number "ninety-nine" and by the number "thirty-three" and the quotients shall be the ratio of representation in the house of representatives and in the senate, respectively, for ten years next succeeding such redistricting.

(B) A general assembly district plan shall comply with all of the requirements of division (B) of this section.

(1) The population of each house of representatives district shall be substantially equal to the ratio of representation in the house of representatives, and the population of each senate district shall be substantially equal to the ratio of representation in the senate, as provided in division (A) of this section. In no event shall any district contain a population of less than ninety-five per cent nor more than one hundred five per cent of the applicable ratio of representation.

(2) Any general assembly district plan adopted by the commission shall comply with all applicable provisions of the constitutions of Ohio and the United States and of federal law.

- (3) Every general assembly district shall be composed of contiguous territory, and the boundary of each district shall be a single nonintersecting continuous line.
- (C) House of representatives districts shall be created and numbered in the following order of priority, to the extent that such order is consistent with the foregoing standards:
- (1) Proceeding in succession from the largest to the smallest, each county containing population greater than one hundred five per cent of the ratio of representation in the house of representatives shall be divided into as many house of representatives districts as it has whole ratios of representation. Any fraction of the population in excess of a whole ratio shall be a part of only one adjoining house of representatives district.
- (2) Each county containing population of not less than ninety-five per cent of the ratio of representation in the house of representatives nor more than one hundred five per cent of the ratio shall be designated a representative district.
- (3) The remaining territory of the state shall be divided into representative districts by combining the areas of counties, municipal corporations, and townships. Where feasible, no county shall be split more than once.
- (D)(1)(a) Except as otherwise provided in divisions (D)(1)(b) and (c) of this section, a county, municipal corporation, or township is considered to be split if any contiguous portion of its territory is not contained entirely within one district.
- (b) If a municipal corporation or township has territory in more than one county, the contiguous portion of that municipal corporation or township that lies in each county shall be considered to be a separate municipal corporation or township for the purposes of this section.
- (c) If a municipal corporation or township that is located in a county that contains a municipal corporation or township that has a population of more than one ratio of representation is split for the purpose of complying with division (E)(1)(a) or (b) of this section, each portion of that municipal corporation or township shall be considered to be a separate municipal corporation or township for the purposes of this section.
- (2) Representative districts shall be drawn so as to split the smallest possible number of municipal corporations and townships whose contiguous portions contain a population of more than fifty per cent, but less than one hundred per cent, of one ratio of representation.
- (3) Where the requirements of divisions (B), (C), and (D) of this section cannot feasibly be attained by forming a representative district from whole municipal corporations and townships, not more than one municipal corporation or township may be split per representative district.
- (E)(1) If it is not possible for the commission to comply with all of the requirements of divisions (B), (C), and (D) of this section in drawing a particular representative district, the commission shall take the first action listed below that makes it possible for the commission to draw that district:
- (a) Notwithstanding division (D)(3) of this section, the commission shall create the district by splitting two municipal corporations or townships whose contiguous portions do not contain a population of more than fifty per cent, but less than one hundred per cent, of one ratio of representation.

(b) Notwithstanding division (D)(2) of this section, the commission shall create the district by splitting a municipal corporation or township whose contiguous portions contain a population of more than fifty per cent, but less than one hundred per cent, of one ratio of representation.

(c) Notwithstanding division (C)(2) of this section, the commission shall create the district by splitting, once, a single county that contains a population of not less than ninety-five per cent of the ratio of representation, but not more than one hundred five per cent of the ratio of representation.

(d) Notwithstanding division (C)(1) of this section, the commission shall create the district by including in two districts portions of the territory that remains after a county that contains a population of more than one hundred five per cent of the ratio of representation has been divided into as many house of representatives districts as it has whole ratios of representation.

(2) If the commission takes an action under division (E)(1) of this section, the commission shall include in the general assembly district plan a statement explaining which action the commission took under that division and the reason the commission took that action.

(3) If the commission complies with divisions (E)(1) and (2) of this section in drawing a district, the commission shall not be considered to have violated division (C)(1), (C)(2), (D)(2), or (D)(3) of this section, as applicable, in drawing that district, for the purpose of an analysis under division (D) of Section 9 of this article.

§ 04* [Effective 1/1/2021] Requirements for drawing Senate districts

(A) Senate districts shall be composed of three contiguous house of representatives districts.

(B)(1) A county having at least one whole senate ratio of representation shall have as many senate districts wholly within the boundaries of the county as it has whole senate ratios of representation. Any fraction of the population in excess of a whole ratio shall be a part of only one adjoining senate district.

(2) Counties having less than one senate ratio of representation, but at least one house of representatives ratio of representation, shall be part of only one senate district.

(3) If it is not possible for the commission to draw representative districts that comply with all of the requirements of this article and that make it possible for the commission to comply with all of the requirements of divisions (B)(1) and (2) of this section, the commission shall draw senate districts so as to commit the fewest possible violations of those divisions. If the commission complies with this division in drawing senate districts, the commission shall not be considered to have violated division (B)(1) or (2) of this section, as applicable, in drawing those districts, for the purpose of an analysis under division (D) of Section 9 of this article.

(C) The number of whole ratios of representation for a county shall be determined by dividing the population of the county by the ratio of representation in the senate determined under division (A) of Section 3 of this article.

(D) Senate districts shall be numbered from one through thirty-three and as provided in Section 5 of this article.

§ 05* [Effective 1/1/2021] Changes in boundaries of Senate districts

At any time the boundaries of senate districts are changed in any general assembly district plan made pursuant to any provision of this article, a senator whose term will not expire within two years of the time the plan becomes effective shall represent, for the remainder of the term for which the senator was elected, the senate district that contains the largest portion of the population of the district from which the senator was elected, and the district shall be given the number of the district from which the senator was elected. If more than one senator whose term will not so expire would represent the same district by following the provisions of this section, the plan shall designate which senator shall represent the district and shall designate which district the other senator or senators shall represent for the balance of their term or terms.

§ 06* [Effective 1/1/2021] Additional district standards

The Ohio redistricting commission shall attempt to draw a general assembly district plan that meets all of the following standards:

(A) No general assembly district plan shall be drawn primarily to favor or disfavor a political party.

(B) The statewide proportion of districts whose voters, based on statewide state and federal partisan general election results during the last ten years, favor each political party shall correspond closely to the statewide preferences of the voters of Ohio.

(C) General assembly districts shall be compact.

Nothing in this section permits the commission to violate the district standards described in Section 2, 3, 4, 5, or 7 of this article.

§ 07* [Effective 1/1/2021] Political subdivision boundaries to be used

Notwithstanding the fact that boundaries of counties, municipal corporations, and townships within a district may be changed, district boundaries shall be created by using the boundaries of counties, municipal corporations, and townships as they exist at the time of the federal decennial census on which the redistricting is based, or, if unavailable, on such other basis as the general assembly has directed.

§ 08* [Effective 1/1/2021] Impasse procedure

(A)(1) If the Ohio redistricting commission fails to adopt a final general assembly district plan not later than the first day of September of a year ending in the numeral one, in

accordance with Section 1 of this article, the commission shall introduce a proposed general assembly district plan by a simple majority vote of the commission.

(2) After introducing a proposed general assembly district plan under division (A)(1) of this section, the commission shall hold a public hearing concerning the proposed plan, at which the public may offer testimony and at which the commission may adopt amendments to the proposed plan. Members of the commission should attend the hearing; however, only a quorum of the members of the commission is required to conduct the hearing.

(3) After the hearing described in division (A)(2) of this section is held, and not later than the fifteenth day of September of a year ending in the numeral one, the commission shall adopt a final general assembly district plan, either by the vote required to adopt a plan under division (B)(3) of Section 1 of this article or by a simple majority vote of the commission.

(B) If the commission adopts a final general assembly district plan in accordance with division (A)(3) of this section by the vote required to adopt a plan under division (B)(3) of Section 1 of this article, the plan shall take effect upon filing with the secretary of state and shall remain effective until the next year ending in the numeral one, except as provided in Section 9 of this article.

(C)(1)(a) Except as otherwise provided in division (C)(1)(b) of this section, if the commission adopts a final general assembly district plan in accordance with division (A)(3) of this section by a simple majority vote of the commission, and not by the vote required to adopt a plan under division (B)(3) of Section 1 of this article, the plan shall take effect upon filing with the secretary of state and shall remain effective until two general elections for the house of representatives have occurred under the plan.

(b) If the commission adopts a final general assembly district plan in accordance with division (A)(3) of this section by a simple majority vote of the commission, and not by the vote required to adopt a plan under division (B) of Section 1 of this article, and that plan is adopted to replace a plan that ceased to be effective under division (C)(1)(a) of this section before a year ending in the numeral one, the plan adopted under this division shall take effect upon filing with the secretary of state and shall remain effective until a year ending in the numeral one, except as provided in Section 9 of this article.

(2) A final general assembly district plan adopted under division (C)(1)(a) or (b) of this section shall include a statement explaining what the commission determined to be the statewide preferences of the voters of Ohio and the manner in which the statewide proportion of districts in the plan whose voters, based on statewide state and federal partisan general election results during the last ten years, favor each political party corresponds closely to those preferences, as described in division (B) of Section 6 of this article. At the time the plan is adopted, a member of the commission who does not vote in favor of the plan may submit a declaration of the member's opinion concerning the statement included with the plan.

(D) After a general assembly district plan adopted under division (C)(1)(a) of this section ceases to be effective, and not earlier than the first day of July of the year following the year in which the plan ceased to be effective, the commission shall be reconstituted as

provided in Section 1 of this article, convene, and adopt a new general assembly district plan in accordance with this article, to be used until the next time for redistricting under this article. The commission shall draw the new general assembly district plan using the same population and county, municipal corporation, and township boundary data as were used to draw the previous plan adopted under division (C) of this section.

§ 09* [Effective 1/1/2021] Jurisdiction of Supreme Court; effect of determination of unconstitutionality

(A) The supreme court of Ohio shall have exclusive, original jurisdiction in all cases arising under this article.

(B) In the event that any section of this constitution relating to redistricting, any general assembly district plan made by the Ohio redistricting commission, or any district is determined to be invalid by an unappealed final order of a court of competent jurisdiction then, notwithstanding any other provisions of this constitution, the commission shall be reconstituted as provided in Section 1 of this article, convene, and ascertain and determine a general assembly district plan in conformity with such provisions of this constitution as are then valid, including establishing terms of office and election of members of the general assembly from districts designated in the plan, to be used until the next time for redistricting under this article in conformity with such provisions of this constitution as are then valid.

(C) Notwithstanding any provision of this constitution or any law regarding the residence of senators and representatives, a general assembly district plan made pursuant to this section shall allow thirty days for persons to change residence in order to be eligible for election.

(D)(1) No court shall order, in any circumstance, the implementation or enforcement of any general assembly district plan that has not been approved by the commission in the manner prescribed by this article.

(2) No court shall order the commission to adopt a particular general assembly district plan or to draw a particular district.

(3) If the supreme court of Ohio determines that a general assembly district plan adopted by the commission does not comply with the requirements of Section 2, 3, 4, 5, or 7 of this article, the available remedies shall be as follows:

(a) If the court finds that the plan contains one or more isolated violations of those requirements, the court shall order the commission to amend the plan to correct the violation.

(b) If the court finds that it is necessary to amend not fewer than six house of representatives districts to correct violations of those requirements, to amend not fewer than two senate districts to correct violations of those requirements, or both, the court shall declare the plan invalid and shall order the commission to adopt a new general assembly district plan in accordance with this article.

(c) If, in considering a plan adopted under division (C) of Section 8 of this article, the court determines that both of the following are true, the court shall order the commission to adopt a new general assembly district plan in accordance with this article:

(i) The plan significantly violates those requirements in a manner that materially affects the ability of the plan to contain districts whose voters favor political parties in an overall proportion that corresponds closely to the statewide political party preferences of the voters of Ohio, as described in division (B) of Section 6 of this article.

(ii) The statewide proportion of districts in the plan whose voters, based on statewide state and federal partisan general election results during the last ten years, favor each political party does not correspond closely to the statewide preferences of the voters of Ohio.

§ 10* [Effective 1/1/2021] Severability

The various provisions of this article are intended to be severable, and the invalidity of one or more of such provisions shall not affect the validity of the remaining provisions.

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Adams	Bratton township	1,380			
Adams	Brush Creek township	1,097			
Adams	Franklin township	1,097			
Adams	Green township	552			
Adams	Jefferson township	898			
Adams	Liberty township	2,065			
Adams	Manchester township	1,882			
Adams	Meigs township	3,761			
Adams	Monroe township	624			
Adams	Oliver township	1,352			
Adams	Scott township	2,262			
Adams	Sprigg township	1,744			
Adams	Tiffin township	5,210			
Adams	Wayne township	1,363			
Adams	Winchester township	2,190			
Adams County Total			27,477		
Allen	Amanda township	2,061			
Allen	American township	14,538			
Allen	Auglaize township	2,757			
Allen	Bath township	9,399			
Allen	Jackson township	3,143			
Allen	Lima city	35,579			
Allen	Marion township	6,629			
Allen	Monroe township	2,067			
Allen	Perry township	3,382			
Allen	Richland township	5,871			
Allen	Shawnee township	12,482			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Allen	Spencer township	3,067			
Allen	Sugar Creek township	1,231			
Allen County Total			102,206		
Ashland	Ashland city	19,225			
Ashland	Clear Creek township	2,217			
Ashland	Green township	3,676			
Ashland	Hanover township	2,467			
Ashland	Jackson township	3,884			
Ashland	Lake township	736			
Ashland	Mifflin township	1,231			
Ashland	Milton township	2,357			
Ashland	Mohican township	2,078			
Ashland	Montgomery township	2,749			
Ashland	Orange township	2,569			
Ashland	Perry township	2,024			
Ashland	Ruggles township	955			
Ashland	Sullivan township	2,620			
Ashland	Troy township	1,101			
Ashland	Vermillion township	2,558			
Ashland County Total			52,447		
Ashtabula	Andover township	2,577			
Ashtabula	Ashtabula township	19,585			
Ashtabula	Austinburg township	2,240			
Ashtabula	Cherry Valley township	913			
Ashtabula	Colebrook township	1,115			
Ashtabula	Conneaut city	12,318			
Ashtabula	Denmark township	847			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Ashtabula	Dorset township	807			
Ashtabula	Geneva township	10,080			
Ashtabula	Harpersfield township	2,591			
Ashtabula	Hartsgrove township	1,624			
Ashtabula	Jefferson township	5,317			
Ashtabula	Kingsville township	1,649			
Ashtabula	Lenox township	1,374			
Ashtabula	Monroe township	2,138			
Ashtabula	Morgan township	2,293			
Ashtabula	New Lyme township	1,015			
Ashtabula	North Kingsville village	2,742			
Ashtabula	Orwell township	3,077			
Ashtabula	Pierpont township	1,158			
Ashtabula	Plymouth township	1,928			
Ashtabula	Richmond township	1,000			
Ashtabula	Rome township	1,854			
Ashtabula	Saybrook township	9,711			
Ashtabula	Sheffield township	1,499			
Ashtabula	Trumbull township	1,376			
Ashtabula	Wayne township	668			
Ashtabula	Williamsfield township	1,419			
Ashtabula	Windsor township	2,659			
Ashtabula County Total			97,574		
Athens	Alexander township	2,801			
Athens	Ames township	1,237			
Athens	Athens township	30,163			
Athens	Bern township	556			
Athens	Canaan township	1,586			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Athens	Carthage township	1,459			
Athens	Dover township	3,387			
Athens	Lee township	2,837			
Athens	Lodi township	1,419			
Athens	Rome township	1,251			
Athens	Trimble township	4,041			
Athens	Troy township	2,490			
Athens	Waterloo township	2,352			
Athens	York township	6,852			
Athens County Total			62,431		
Auglaize	Clay township	790			
Auglaize	Duchouquet township	14,676			
Auglaize	German township	3,751			
Auglaize	Goshen township	472			
Auglaize	Jackson township	4,011			
Auglaize	Logan township	1,158			
Auglaize	Moulton township	1,634			
Auglaize	Noble township	1,863			
Auglaize	Pusheta township	1,269			
Auglaize	St. Marys township	11,093			
Auglaize	Salem township	507			
Auglaize	Union township	1,746			
Auglaize	Washington township	1,944			
Auglaize	Wayne township	1,508			
Auglaize County Total			46,422		
Belmont	Colerain township	4,174			
Belmont	Flushing township	1,936			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Belmont	Goshen township	3,027			
Belmont	Kirkwood township	412			
Belmont	Mead township	5,430			
Belmont	Pease township	12,849			
Belmont	Pultney township	8,163			
Belmont	Richland township	14,681			
Belmont	Smith township	1,433			
Belmont	Somerset township	1,242			
Belmont	Union township	2,275			
Belmont	Warren township	5,743			
Belmont	Washington township	505			
Belmont	Wayne township	703			
Belmont	Wheeling township	1,604			
Belmont	York township	2,320			
Belmont County Total			66,497		
Brown	Byrd township	733			
Brown	Clark township	2,952			
Brown	Eagle township	1,293			
Brown	Franklin township	1,666			
Brown	Green township	3,632			
Brown	Huntington township	2,478			
Brown	Jackson township	1,738			
Brown	Jefferson township	1,407			
Brown	Lewis township	2,393			
Brown	Perry township	4,674			
Brown	Pike township	4,134			
Brown	Pleasant township	5,643			
Brown	Scott township	1,330			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Brown	Sterling township	4,602			
Brown	Union township	2,739			
Brown	Washington township	2,262			
Brown County Total			43,676		
Butler	Fairfield city	44,907			
Butler	Fairfield township	22,645			
Butler	Hamilton city	63,399			
Butler	Hanover township	8,111			
Butler	Lemon township	16,885			
Butler	Liberty township	43,999			
Butler	Madison township	8,556			
Butler	Middletown city	47,210			
Butler	Milford township	3,523			
Butler	Morgan township	5,345			
Butler	Oxford township	25,469			
Butler	Reily township	2,660			
Butler	Ross township	8,751			
Butler	St. Clair township	6,671			
Butler	Trenton city	13,021			
Butler	Wayne township	4,375			
Butler	West Chester township	64,830			
Butler County Total			390,357		
Carroll	Augusta township	1,531			
Carroll	Brown township	7,214			
Carroll	Center township	4,428			
Carroll	East township	808			
Carroll	Fox township	977			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Carroll	Harrison township	2,397			
Carroll	Lee township	1,022			
Carroll	Loudon township	925			
Carroll	Monroe township	1,924			
Carroll	Orange township	1,133			
Carroll	Perry township	934			
Carroll	Rose township	1,444			
Carroll	Union township	868			
Carroll	Washington township	1,116			
Carroll County Total			26,721		
Champaign	Adams township	1,036			
Champaign	Concord township	1,387			
Champaign	Goshen township	3,633			
Champaign	Harrison township	882			
Champaign	Jackson township	2,555			
Champaign	Johnson township	3,077			
Champaign	Mad River township	2,765			
Champaign	Rush township	2,788			
Champaign	Salem township	2,488			
Champaign	Union township	2,112			
Champaign	Urbana township	14,119			
Champaign	Wayne township	1,872			
Champaign County Total			38,714		
Clark	Bethel township	18,050			
Clark	German township	7,578			
Clark	Green township	2,711			
Clark	Harmony township	3,652			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Clark	Madison township	2,532			
Clark	Mad River township	10,984			
Clark	Moorefield township	12,622			
Clark	Pike township	3,733			
Clark	Pleasant township	3,143			
Clark	Springfield city	58,662			
Clark	Springfield township	12,334			
Clark County Total			136,001		
Clermont	Batavia township	27,660			
Clermont	Franklin township	3,604			
Clermont	Goshen township	16,057			
Clermont	Jackson township	3,089			
Clermont	Loveland city	2,568			
Clermont	Miami township	43,943			
Clermont	Milford city	6,555			
Clermont	Monroe township	7,531			
Clermont	Ohio township	5,533			
Clermont	Pierce township	15,096			
Clermont	Stonelick township	5,663			
Clermont	Tate township	9,162			
Clermont	Union township	49,639			
Clermont	Washington township	2,182			
Clermont	Wayne township	4,637			
Clermont	Williamsburg township	5,682			
Clermont County Total			208,601		
Clinton	Adams township	2,040			
Clinton	Chester township	2,027			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Clinton	Clark township	2,014			
Clinton	Green township	2,468			
Clinton	Jefferson township	1,325			
Clinton	Liberty township	1,123			
Clinton	Marion township	5,520			
Clinton	Richland township	3,526			
Clinton	Union township	3,140			
Clinton	Vernon township	2,951			
Clinton	Washington township	2,015			
Clinton	Wayne township	700			
Clinton	Wilmington city	12,664			
Clinton	Wilson township	505			
Clinton County Total			42,018		
Columbiana	Butler township	3,542			
Columbiana	Center township	5,793			
Columbiana	East Liverpool city	9,958			
Columbiana	Elkrun township	4,367			
Columbiana	Fairfield township	9,769			
Columbiana	Franklin township	735			
Columbiana	Hanover township	3,459			
Columbiana	Knox township	4,068			
Columbiana	Liverpool township	3,862			
Columbiana	Madison township	2,922			
Columbiana	Middleton township	3,359			
Columbiana	Perry township	16,318			
Columbiana	St. Clair township	7,804			
Columbiana	Salem township	5,142			
Columbiana	Unity township	9,721			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Columbiana	Washington township	2,002			
Columbiana	Wayne township	797			
Columbiana	Wellsville village	3,113			
Columbiana	West township	3,173			
Columbiana	Yellow Creek township	1,973			
Columbiana County Total			101,877		
Coshocton	Adams township	765			
Coshocton	Bedford township	604			
Coshocton	Bethlehem township	1,054			
Coshocton	Clark township	670			
Coshocton	Coshocton city	11,050			
Coshocton	Crawford township	1,950			
Coshocton	Franklin township	1,165			
Coshocton	Jackson township	1,852			
Coshocton	Jefferson township	1,461			
Coshocton	Keene township	1,623			
Coshocton	Lafayette township	4,250			
Coshocton	Linton township	626			
Coshocton	Mill Creek township	1,032			
Coshocton	Monroe township	427			
Coshocton	Newcastle township	442			
Coshocton	Oxford township	1,554			
Coshocton	Perry township	635			
Coshocton	Pike township	689			
Coshocton	Tiverton township	492			
Coshocton	Tuscarawas township	1,759			
Coshocton	Virginia township	563			
Coshocton	Washington township	727			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Coshocton	White Eyes township	1,222			
Coshocton County Total			36,612		
Crawford	Auburn township	738			
Crawford	Bucyrus city	11,684			
Crawford	Bucyrus township	821			
Crawford	Chatfield township	696			
Crawford	Cranberry township	1,477			
Crawford	Crestline village	4,510			
Crawford	Dallas township	459			
Crawford	Galion City township	10,450			
Crawford	Holmes township	1,246			
Crawford	Jackson township	374			
Crawford	Jefferson township	1,562			
Crawford	Liberty township	1,358			
Crawford	Lykens township	589			
Crawford	Polk township	1,974			
Crawford	Sandusky township	437			
Crawford	Texas township	352			
Crawford	Tod township	627			
Crawford	Vernon township	740			
Crawford	Whetstone township	1,931			
Crawford County Total			42,025		
Cuyahoga	Bay Village city	16,163			
Cuyahoga	Beachwood city	14,040			
Cuyahoga	Bedford city	13,149			
Cuyahoga	Bedford Heights city	11,020			
Cuyahoga	Bentleyville village	897			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Cuyahoga	Berea city	18,545			
Cuyahoga	Bratenahl village	1,430			
Cuyahoga	Brecksville city	13,635			
Cuyahoga	Broadview Heights city	19,936			
Cuyahoga	Brooklyn city	11,359			
Cuyahoga	Brooklyn Heights village	1,519			
Cuyahoga	Brook Park city	18,595			
Cuyahoga	Chagrin Falls township	4,317			
Cuyahoga	Cleveland city	372,624			
Cuyahoga	Cleveland Heights city	45,312			
Cuyahoga	Cuyahoga Heights village	573			
Cuyahoga	East Cleveland city	13,792			
Cuyahoga	Euclid city	49,692			
Cuyahoga	Fairview Park city	17,291			
Cuyahoga	Garfield Heights city	29,781			
Cuyahoga	Gates Mills village	2,264			
Cuyahoga	Glenwillow village	994			
Cuyahoga	Highland Heights city	8,719			
Cuyahoga	Highland Hills village	662			
Cuyahoga	Hunting Valley village	627			
Cuyahoga	Independence city	7,584			
Cuyahoga	Lakewood city	50,942			
Cuyahoga	Linndale village	108			
Cuyahoga	Lyndhurst city	14,050			
Cuyahoga	Maple Heights city	23,701			
Cuyahoga	Mayfield village	3,356			
Cuyahoga	Mayfield Heights city	20,351			
Cuyahoga	Middleburg Heights city	16,004			
Cuyahoga	Moreland Hills village	3,466			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Cuyahoga	Newburgh Heights village	1,862			
Cuyahoga	North Olmsted city	32,442			
Cuyahoga	North Randall village	954			
Cuyahoga	North Royalton city	31,322			
Cuyahoga	Oakwood village	3,572			
Cuyahoga	Olmsted township	14,506			
Cuyahoga	Olmsted Falls city	8,582			
Cuyahoga	Orange village	3,421			
Cuyahoga	Parma city	81,146			
Cuyahoga	Parma Heights city	20,863			
Cuyahoga	Pepper Pike city	6,796			
Cuyahoga	Richmond Heights city	10,801			
Cuyahoga	Rocky River city	21,755			
Cuyahoga	Seven Hills city	11,720			
Cuyahoga	Shaker Heights city	29,439			
Cuyahoga	Solon city	24,262			
Cuyahoga	South Euclid city	21,883			
Cuyahoga	Strongsville city	46,491			
Cuyahoga	University Heights city	13,914			
Cuyahoga	Valley View village	1,897			
Cuyahoga	Walton Hills village	2,033			
Cuyahoga	Warrensville Heights city	13,789			
Cuyahoga	Westlake city	34,228			
Cuyahoga	Woodmere village	641			
Cuyahoga County Total			1,264,817		
Darke	Adams township	3,343			
Darke	Allen township	1,008			
Darke	Brown township	2,056			

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County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Darke	Butler township	1,455			
Darke	Franklin township	1,210			
Darke	Greenville township	17,159			
Darke	Harrison township	2,164			
Darke	Jackson township	2,668			
Darke	Liberty township	986			
Darke	Mississinawa township	688			
Darke	Monroe township	1,647			
Darke	Neave township	2,198			
Darke	Patterson township	1,452			
Darke	Richland township	820			
Darke	Twin township	4,249			
Darke	Van Buren township	1,528			
Darke	Wabash township	909			
Darke	Washington township	1,286			
Darke	Wayne township	4,491			
Darke	York township	564			
Darke County Total			51,881		
Defiance	Adams township	884			
Defiance	Defiance township	13,216			
Defiance	Delaware township	2,030			
Defiance	Farmer township	892			
Defiance	Hicksville township	4,872			
Defiance	Highland township	2,284			
Defiance	Mark township	902			
Defiance	Milford township	1,120			
Defiance	Noble township	5,909			
Defiance	Richland township	3,063			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Defiance	Tiffin township	1,586			
Defiance	Washington township	1,528			
Defiance County Total			38,286		
Delaware	Ashley village	1,198			
Delaware	Berkshire township	5,477			
Delaware	Berlin township	9,344			
Delaware	Brown township	1,402			
Delaware	Columbus City township	7,739			
Delaware	Concord township	11,207			
Delaware	Delaware township	2,713			
Delaware	Delaware City township	38,083			
Delaware	Genoa township	24,806			
Delaware	Harlem township	4,554			
Delaware	Kingston township	2,359			
Delaware	Liberty township	33,252			
Delaware	Marlboro township	295			
Delaware	Orange township	37,452			
Delaware	Oxford township	950			
Delaware	Porter township	2,194			
Delaware	Radnor township	1,570			
Delaware	Scioto township	3,742			
Delaware	Shawnee Hills village	835			
Delaware	Sunbury Village township	6,537			
Delaware	Thompson township	659			
Delaware	Trenton township	2,276			
Delaware	Troy township	2,105			
Delaware	Washington township	4,250			
Delaware	Westerville City township	9,125			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Delaware County Total			214,124		
Erie	Bellevue city	4			
Erie	Berlin township	3,450			
Erie	Florence township	2,470			
Erie	Groton township	1,379			
Erie	Huron township	10,724			
Erie	Kelleys Island village	256			
Erie	Margaretta township	5,640			
Erie	Milan township	3,580			
Erie	Oxford township	1,140			
Erie	Perkins township	12,390			
Erie	Sandusky city	25,095			
Erie	Vermilion city	4,637			
Erie	Vermilion township	4,857			
Erie County Total			75,622		
Fairfield	Amanda township	2,722			
Fairfield	Berne township	5,057			
Fairfield	Bloom township	10,159			
Fairfield	Clearcreek township	4,084			
Fairfield	Columbus city	10,849			
Fairfield	Greenfield township	5,745			
Fairfield	Hocking township	4,850			
Fairfield	Lancaster City township	40,529			
Fairfield	Liberty township	8,214			
Fairfield	Madison township	1,770			
Fairfield	Pleasant township	6,181			
Fairfield	Richland township	2,307			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Fairfield	Rush Creek township	3,996			
Fairfield	Violet township	45,785			
Fairfield	Walnut township	6,673			
Fairfield County Total			158,921		
Fayette	Concord township	961			
Fayette	Green township	521			
Fayette	Jasper township	703			
Fayette	Jefferson township	2,607			
Fayette	Madison township	1,102			
Fayette	Marion township	774			
Fayette	Paint township	1,825			
Fayette	Perry township	1,118			
Fayette	Union township	3,598			
Fayette	Washington Court House city	14,401			
Fayette	Wayne township	1,341			
Fayette County Total			28,951		
Franklin	Bexley city	13,928			
Franklin	Blendon township	10,152			
Franklin	Brown township	3,886			
Franklin	Clinton township	4,499			
Franklin	Columbus city	880,329			
Franklin	Franklin township	11,502			
Franklin	Grandview Heights city	8,085			
Franklin	Hamilton township	8,634			
Franklin	Jackson township	46,559			
Franklin	Jefferson township	14,475			
Franklin	Madison township	25,945			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Franklin	Marble Cliff village	634			
Franklin	Mifflin township	38,368			
Franklin	Norwich township	37,900			
Franklin	Perry township	3,929			
Franklin	Plain township	12,761			
Franklin	Pleasant township	6,757			
Franklin	Prairie township	17,415			
Franklin	Sharon township	17,168			
Franklin	Truro township	30,401			
Franklin	Upper Arlington city	36,800			
Franklin	Washington township	43,593			
Franklin	Westerville city	29,960			
Franklin	Whitehall city	20,127			
Franklin County Total			1,323,807		
Fulton	Amboy township	1,878			
Fulton	Chesterfield township	938			
Fulton	Clinton township	9,630			
Fulton	Dover township	1,621			
Fulton	Franklin township	695			
Fulton	Fulton township	3,147			
Fulton	German township	6,576			
Fulton	Gorham township	2,168			
Fulton	Pike township	1,733			
Fulton	Royalton township	1,515			
Fulton	Swan Creek township	8,555			
Fulton	York township	4,257			
Fulton County Total			42,713		

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Gallia	Addison township	2,160			
Gallia	Cheshire township	898			
Gallia	Clay township	1,710			
Gallia	Gallipolis township	4,725			
Gallia	Green township	5,357			
Gallia	Greenfield township	503			
Gallia	Guyan township	1,129			
Gallia	Harrison township	959			
Gallia	Huntington township	1,393			
Gallia	Morgan township	1,379			
Gallia	Ohio township	947			
Gallia	Perry township	1,524			
Gallia	Raccoon township	2,102			
Gallia	Springfield township	3,413			
Gallia	Walnut township	1,021			
Gallia County Total			29,220		
Geauga	Auburn township	6,574			
Geauga	Bainbridge township	12,893			
Geauga	Burton township	4,379			
Geauga	Chardon city	5,242			
Geauga	Chardon township	4,494			
Geauga	Chester township	9,957			
Geauga	Claridon township	3,103			
Geauga	Hambden township	4,676			
Geauga	Hunting Valley village	136			
Geauga	Huntsburg township	3,657			
Geauga	Middlefield village	2,748			
Geauga	Middlefield township	4,525			

2020-2010
Population Change

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Geauga	Montville township	1,938			
Geauga	Munson township	7,087			
Geauga	Newbury township	5,244			
Geauga	Parkman township	4,446			
Geauga	Russell township	5,404			
Geauga	South Russell village	3,972			
Geauga	Thompson township	2,144			
Geauga	Troy township	2,778			
Geauga County Total			95,397		
Greene	Bath township	39,365			
Greene	Beavercreek township	56,025			
Greene	Bellbrook city	7,317			
Greene	Caesarscreek township	1,185			
Greene	Cedarville township	5,899			
Greene	Dayton city	-			
Greene	Jefferson township	1,119			
Greene	Kettering city	739			
Greene	Miami township	4,933			
Greene	New Jasper township	2,639			
Greene	Ross township	818			
Greene	Silvercreek township	3,732			
Greene	Spring Valley township	2,478			
Greene	Sugarcreek township	9,534			
Greene	Xenia city	25,441			
Greene	Xenia township	6,742			
Greene County Total			167,966		
Guernsey	Adams township	1,872			

County	Subdivision	2020 Census	2020 County	2010 Census	Change from 2010 to 2020
		Pop	Pop	Pop	
Guernsey	Cambridge township	13,900			
Guernsey	Center township	1,744			
Guernsey	Jackson township	4,998			
Guernsey	Jefferson township	97			
Guernsey	Knox township	538			
Guernsey	Liberty township	884			
Guernsey	Londonderry township	710			
Guernsey	Madison township	969			
Guernsey	Millwood township	1,258			
Guernsey	Monroe township	730			
Guernsey	Oxford township	754			
Guernsey	Richland township	2,066			
Guernsey	Spencer township	1,041			
Guernsey	Valley township	2,041			
Guernsey	Washington township	478			
Guernsey	Westland township	2,157			
Guernsey	Wheeling township	680			
Guernsey	Wills township	1,521			
Geurnsey County Total			38,438		
Hamilton	Amberley village	3,840			
Hamilton	Anderson township	44,088			
Hamilton	Arlington Heights village	823			
Hamilton	Blue Ash city	13,394			
Hamilton	Cheviot city	8,658			
Hamilton	Cincinnati city	309,317			
Hamilton	Colerain township	59,239			
Hamilton	Columbia township	4,446			
Hamilton	Crosby township	6,030			

County	Subdivision	2020 Census	2020 County	2010 Census	Change from 2010 to 2020
		Pop	Pop	Pop	
Hamilton	Deer Park city	5,432			
Hamilton	Delhi township	28,760			
Hamilton	Elmwood Place village	2,087			
Hamilton	Evendale village	2,669			
Hamilton	Fairfax village	1,768			
Hamilton	Fairfield city	-			
Hamilton	Forest Park city	20,189			
Hamilton	Glendale village	2,298			
Hamilton	Golf Manor village	3,814			
Hamilton	Green township	60,424			
Hamilton	Greenhills village	3,741			
Hamilton	Harrison township	14,288			
Hamilton	Lincoln Heights village	3,144			
Hamilton	Lockland village	3,514			
Hamilton	Loveland city	9,705			
Hamilton	Madeira city	9,487			
Hamilton	Mariemont village	3,518			
Hamilton	Miami township	15,969			
Hamilton	Milford city	27			
Hamilton	Montgomery city	10,853			
Hamilton	Mount Healthy city	6,996			
Hamilton	Newtown village	2,702			
Hamilton	North College Hill city	9,663			
Hamilton	Norwood city	19,043			
Hamilton	Reading city	10,600			
Hamilton	St. Bernard village	4,070			
Hamilton	Sharonville city	11,572			
Hamilton	Silverton village	4,908			
Hamilton	Springdale city	11,007			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Hamilton	Springfield township	35,862			
Hamilton	Sycamore township	19,563			
Hamilton	Symmes township	15,642			
Hamilton	Terrace Park village	2,355			
Hamilton	The Village of Indian Hill city	6,087			
Hamilton	Whitewater township	6,375			
Hamilton	Woodlawn village	3,916			
Hamilton	Wyoming city	8,756			
Hamilton County Total			830,639		
Hancock	Allen township	2,754			
Hancock	Amanda township	1,036			
Hancock	Arlington village	1,492			
Hancock	Biglick township	1,184			
Hancock	Blanchard township	1,130			
Hancock	Cass township	1,008			
Hancock	Delaware township	1,208			
Hancock	Eagle township	1,084			
Hancock	Findlay city	40,313			
Hancock	Jackson township	1,031			
Hancock	Liberty township	7,044			
Hancock	Madison township	869			
Hancock	Marion township	3,097			
Hancock	Orange township	1,301			
Hancock	Pleasant township	2,377			
Hancock	Portage township	734			
Hancock	Union township	1,881			
Hancock	Van Buren township	1,024			
Hancock	Washington township	4,353			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Hancock County Total			74,920		
Hardin	Blanchard township	1,393			
Hardin	Buck township	2,391			
Hardin	Cessna township	501			
Hardin	Dudley township	1,490			
Hardin	Goshen township	529			
Hardin	Hale township	1,537			
Hardin	Jackson township	2,029			
Hardin	Liberty township	7,060			
Hardin	Lynn township	591			
Hardin	McDonald township	874			
Hardin	Marion township	2,301			
Hardin	Pleasant township	8,037			
Hardin	Roundhead township	630			
Hardin	Taylor Creek township	593			
Hardin	Washington township	740			
Hardin County Total			30,696		
Harrison	Archer township	327			
Harrison	Athens township	390			
Harrison	Cadiz township	3,387			
Harrison	Franklin township	517			
Harrison	Freeport township	726			
Harrison	German township	702			
Harrison	Green township	1,719			
Harrison	Monroe township	1,095			
Harrison	Moorefield township	377			
Harrison	North township	1,562			

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County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Harrison	Nottingham township	296			
Harrison	Rumley township	1,275			
Harrison	Short Creek township	1,031			
Harrison	Stock township	439			
Harrison	Washington township	640			
Harrison County Total			14,483		
Henry	Bartlow township	2,187			
Henry	Damascus township	1,783			
Henry	Flatrock township	1,248			
Henry	Freedom township	967			
Henry	Harrison township	1,297			
Henry	Liberty township	2,442			
Henry	Marion township	1,301			
Henry	Monroe township	1,083			
Henry	Napoleon township	9,750			
Henry	Pleasant township	1,882			
Henry	Richfield township	635			
Henry	Ridgeville township	1,096			
Henry	Washington township	1,991			
Henry County Total			27,662		
Highland	Brushcreek township	1,418			
Highland	Clay township	1,499			
Highland	Concord township	1,361			
Highland	Dodson township	2,598			
Highland	Fairfield township	3,661			
Highland	Hamer township	679			
Highland	Jackson township	1,053			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Highland	Liberty township	10,201			
Highland	Madison township	6,422			
Highland	Marshall township	1,007			
Highland	New Market township	1,874			
Highland	Paint township	4,850			
Highland	Penn township	1,542			
Highland	Salem township	782			
Highland	Union township	1,969			
Highland	Washington township	1,096			
Highland	Whiteoak township	1,305			
Highland County Total			43,317		
Hocking	Benton township	780			
Hocking	Falls township	11,886			
Hocking	Good Hope township	1,331			
Hocking	Green township	3,224			
Hocking	Laurel township	1,042			
Hocking	Marion township	2,493			
Hocking	Perry township	2,408			
Hocking	Salt Creek township	1,117			
Hocking	Starr township	1,455			
Hocking	Ward township	1,183			
Hocking	Washington township	1,131			
Hocking County Total			28,050		
Holmes	Berlin township	4,546			
Holmes	Clark township	4,322			
Holmes	Hardy township	5,870			
Holmes	Killbuck township	1,894			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Holmes	Knox township	1,144			
Holmes	Mechanic township	3,222			
Holmes	Monroe township	1,605			
Holmes	Paint township	4,564			
Holmes	Prairie township	3,096			
Holmes	Richland township	1,193			
Holmes	Ripley township	2,415			
Holmes	Salt Creek township	4,685			
Holmes	Walnut Creek township	3,992			
Holmes	Washington township	1,675			
Holmes County Total			44,223		
Huron	Bellevue city	3,650			
Huron	Bronson township	1,927			
Huron	Clarksfield township	1,578			
Huron	Fairfield township	1,124			
Huron	Fitchville township	1,046			
Huron	Greenfield township	1,320			
Huron	Greenwich village	1,409			
Huron	Greenwich township	1,002			
Huron	Hartland township	1,060			
Huron	Lyme township	873			
Huron	New Haven township	2,409			
Huron	New London township	3,226			
Huron	Norwalk city	17,068			
Huron	Norwalk township	3,451			
Huron	Norwich township	1,022			
Huron	Peru township	1,054			
Huron	Richmond township	985			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Huron	Ridgefield township	2,197			
Huron	Ripley township	1,116			
Huron	Sherman township	519			
Huron	Townsend township	1,571			
Huron	Wakeman township	2,761			
Huron	Willard city	6,197			
Huron County Total			58,565		
Jackson	Bloomfield township	1,155			
Jackson	Coal township	1,996			
Jackson	Franklin township	2,290			
Jackson	Hamilton township	545			
Jackson	Jackson city	6,252			
Jackson	Jackson township	1,214			
Jackson	Jefferson township	3,509			
Jackson	Liberty township	1,811			
Jackson	Lick township	2,600			
Jackson	Madison township	2,090			
Jackson	Milton township	1,034			
Jackson	Scioto township	1,949			
Jackson	Washington township	796			
Jackson	Wellston city	5,412			
Jackson County Total			32,653		
Jefferson	Brush Creek township	384			
Jefferson	Cross Creek township	7,870			
Jefferson	Island Creek township	10,173			
Jefferson	Knox township	4,317			
Jefferson	Mount Pleasant township	2,191			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Jefferson	Ross township	655			
Jefferson	Salem township	2,778			
Jefferson	Saline township	1,171			
Jefferson	Smithfield township	3,011			
Jefferson	Springfield township	2,005			
Jefferson	Steubenville city	18,161			
Jefferson	Steubenville township	4,117			
Jefferson	Warren township	3,832			
Jefferson	Wayne township	2,093			
Jefferson	Wells township	2,491			
Jefferson County Total			65,249		
Knox	Berlin township	1,772			
Knox	Brown township	2,048			
Knox	Butler township	1,294			
Knox	Clay township	1,542			
Knox	Clinton township	2,886			
Knox	College township	2,553			
Knox	Fredericktown village	2,648			
Knox	Harrison township	854			
Knox	Hilliar township	3,781			
Knox	Howard township	5,873			
Knox	Jackson township	1,076			
Knox	Jefferson township	768			
Knox	Liberty township	1,906			
Knox	Middlebury township	1,406			
Knox	Milford township	1,866			
Knox	Miller township	1,095			
Knox	Monroe township	2,339			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Knox	Morgan township	1,034			
Knox	Morris township	2,098			
Knox	Mount Vernon city	16,956			
Knox	Pike township	1,656			
Knox	Pleasant township	1,657			
Knox	Union township	2,620			
Knox	Wayne township	993			
Knox County Total			62,721		
Lake	Concord township	19,254			
Lake	Eastlake city	17,670			
Lake	Kirtland city	6,937			
Lake	Kirtland Hills village	692			
Lake	Lakeline village	216			
Lake	Leroy township	3,128			
Lake	Madison township	18,492			
Lake	Mentor city	47,450			
Lake	Mentor-on-the-Lake city	7,131			
Lake	Painesville city	20,312			
Lake	Painesville township	20,453			
Lake	Perry township	8,862			
Lake	Timberlake village	629			
Lake	Waite Hill village	543			
Lake	Wickliffe city	12,652			
Lake	Willoughby city	23,959			
Lake	Willoughby Hills city	10,019			
Lake	Willowick city	14,204			
Lake County Total			232,603		

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Lawrence	Aid township	819			
Lawrence	Decatur township	625			
Lawrence	Elizabeth township	2,527			
Lawrence	Fayette township	8,494			
Lawrence	Hamilton township	1,648			
Lawrence	Lawrence township	2,355			
Lawrence	Mason township	974			
Lawrence	Perry township	6,533			
Lawrence	Rome township	8,779			
Lawrence	Symmes township	428			
Lawrence	Union township	8,411			
Lawrence	Upper township	14,451			
Lawrence	Washington township	174			
Lawrence	Windsor township	2,022			
Lawrence County Total			58,240		
Licking	Bennington township	1,682			
Licking	Bowling Green township	1,799			
Licking	Burlington township	1,209			
Licking	Eden township	1,281			
Licking	Etna township	18,896			
Licking	Fallsbury township	985			
Licking	Franklin township	2,112			
Licking	Granville township	10,244			
Licking	Hanover township	3,036			
Licking	Harrison township	8,520			
Licking	Hartford township	1,433			
Licking	Heath city	10,412			
Licking	Hopewell township	1,395			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Licking	Jersey township	2,557			
Licking	Liberty township	2,756			
Licking	Licking township	4,824			
Licking	McKean township	1,606			
Licking	Madison township	3,248			
Licking	Mary Ann township	2,120			
Licking	Monroe township	7,753			
Licking	Newark city	49,934			
Licking	Newark township	2,175			
Licking	Newton township	3,194			
Licking	Pataskala city	17,886			
Licking	Perry township	1,671			
Licking	Reynoldsburg City township	1,127			
Licking	St. Albans township	2,542			
Licking	Union township	9,130			
Licking	Washington township	2,992			
Licking County Total			178,519		
Logan	Bloomfield township	417			
Logan	Bokescreek township	1,374			
Logan	Harrison township	2,061			
Logan	Jefferson township	3,028			
Logan	Lake township	12,774			
Logan	Liberty township	3,891			
Logan	McArthur township	1,920			
Logan	Miami township	2,110			
Logan	Monroe township	1,800			
Logan	Perry township	986			
Logan	Pleasant township	1,144			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Logan	Richland township	2,645			
Logan	Rushcreek township	2,153			
Logan	Stokes township	4,550			
Logan	Union township	755			
Logan	Washington township	3,351			
Logan	Zane township	1,191			
Logan County Total			46,150		
Lorain	Amherst city	12,681			
Lorain	Amherst township	6,492			
Lorain	Avon city	24,847			
Lorain	Avon Lake city	25,206			
Lorain	Brighton township	855			
Lorain	Brownhelm township	7,877			
Lorain	Camden township	1,508			
Lorain	Carlisle township	7,124			
Lorain	Columbia township	7,411			
Lorain	Eaton township	5,828			
Lorain	Elyria city	52,656			
Lorain	Elyria township	3,250			
Lorain	Grafton village	5,895			
Lorain	Grafton township	2,789			
Lorain	Henrietta township	1,779			
Lorain	Huntington township	1,361			
Lorain	LaGrange township	6,560			
Lorain	Lorain city	65,211			
Lorain	New Russia township	2,404			
Lorain	North Ridgeville city	35,280			
Lorain	Oberlin city	8,555			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Lorain	Penfield township	1,835			
Lorain	Pittsfield township	1,573			
Lorain	Rochester township	792			
Lorain	Sheffield village	4,135			
Lorain	Sheffield township	3,963			
Lorain	Sheffield Lake city	8,957			
Lorain	Wellington township	6,140			
Lorain County Total			312,964		
Lucas	Harbor View village	89			
Lucas	Harding township	726			
Lucas	Jerusalem township	2,895			
Lucas	Maumee city	13,896			
Lucas	Monclova township	14,827			
Lucas	Oregon city	19,950			
Lucas	Ottawa Hills village	4,790			
Lucas	Providence township	3,378			
Lucas	Richfield township	1,575			
Lucas	Roche de Boeuf township	5,987			
Lucas	Spencer township	1,746			
Lucas	Springfield township	26,957			
Lucas	Swanton township	2,822			
Lucas	Sylvania township	50,679			
Lucas	Toledo city	270,871			
Lucas	Washington township	3,055			
Lucas	Waterville township	7,036			
Lucas County Total			431,279		
Madison	Canaan township	2,631			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Madison	Darby township	4,261			
Madison	Deer Creek township	967			
Madison	Fairfield township	1,452			
Madison	Jefferson township	7,212			
Madison	London city	10,279			
Madison	Monroe township	1,581			
Madison	Oak Run township	521			
Madison	Paint township	554			
Madison	Pike township	545			
Madison	Pleasant township	3,272			
Madison	Range township	981			
Madison	Somerford township	3,053			
Madison	Stokes township	648			
Madison	Union township	5,867			
Madison County Total			43,824		
Mahoning	Austintown township	36,049			
Mahoning	Beaver township	6,756			
Mahoning	Berlin township	1,973			
Mahoning	Boardman township	40,213			
Mahoning	Campbell city	7,852			
Mahoning	Canfield township	16,944			
Mahoning	Coitsville township	1,264			
Mahoning	Ellsworth township	2,128			
Mahoning	Fairfield township	839			
Mahoning	Goshen township	3,101			
Mahoning	Green township	3,414			
Mahoning	Jackson township	2,124			
Mahoning	Lowellville village	996			

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County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Mahoning	Milton township	3,565			
Mahoning	New Middletown village	1,507			
Mahoning	Perry township	6			
Mahoning	Poland township	14,664			
Mahoning	Sebring village	4,191			
Mahoning	Smith township	4,097			
Mahoning	Springfield township	6,800			
Mahoning	Struthers city	10,063			
Mahoning	Youngstown city	60,068			
Mahoning County Total			228,614		
Marion	Big Island township	1,174			
Marion	Bowling Green township	603			
Marion	Claridon township	2,777			
Marion	Grand township	373			
Marion	Grand Prairie township	1,586			
Marion	Green Camp township	1,080			
Marion	Marion township	43,796			
Marion	Montgomery township	2,064			
Marion	Pleasant township	4,939			
Marion	Prospect township	2,043			
Marion	Richland township	1,784			
Marion	Salt Rock township	605			
Marion	Scott township	571			
Marion	Tully township	834			
Marion	Waldo township	1,130			
Marion County Total			65,359		
Medina	Brunswick city	35,426			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Medina	Brunswick Hills township	11,196			
Medina	Canaan township	86			
Medina	Chatham township	2,213			
Medina	Chippewa Lake village	654			
Medina	Gloria Glens Park village	369			
Medina	Granger township	4,556			
Medina	Guilford township	3,076			
Medina	Harrisville township	1,717			
Medina	Hinckley township	8,025			
Medina	Homer township	1,606			
Medina	Lafayette township	6,056			
Medina	Litchfield township	3,215			
Medina	Liverpool township	5,750			
Medina	Lodi village	2,746			
Medina	Medina township	9,183			
Medina	Medina City township	26,061			
Medina	Montville township	13,131			
Medina	Rittman city	116			
Medina	Seville Village township	2,335			
Medina	Sharon township	5,966			
Medina	Spencer village	684			
Medina	Spencer township	1,812			
Medina	Wadsworth city	24,007			
Medina	Wadsworth township	4,384			
Medina	Westfield township	2,632			
Medina	Westfield Center village	1,184			
Medina	York township	4,284			
Medina County Total			182,470		

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Meigs	Bedford township	1,249			
Meigs	Chester township	2,497			
Meigs	Columbia township	1,220			
Meigs	Lebanon township	897			
Meigs	Letart township	733			
Meigs	Olive township	1,651			
Meigs	Orange township	1,085			
Meigs	Rutland township	2,137			
Meigs	Salem township	939			
Meigs	Salisbury township	5,512			
Meigs	Scipio township	1,213			
Meigs	Sutton township	3,077			
Meigs County Total			22,210		
Mercer	Black Creek township	611			
Mercer	Butler township	6,653			
Mercer	Center township	1,099			
Mercer	Dublin township	2,132			
Mercer	Franklin township	2,511			
Mercer	Gibson township	2,121			
Mercer	Granville township	4,227			
Mercer	Hopewell township	1,024			
Mercer	Jefferson township	13,802			
Mercer	Liberty township	909			
Mercer	Marion township	3,322			
Mercer	Recovery township	1,523			
Mercer	Union township	1,330			
Mercer	Washington township	1,201			
Mercer	Wayne township	63			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Mercer County Total			42,528		
Miami	Bethel township	4,758			
Miami	Brown township	1,585			
Miami	Concord township	31,417			
Miami	Elizabeth township	1,686			
Miami	Huber Heights city	5,651			
Miami	Lostcreek township	1,606			
Miami	Monroe township	16,114			
Miami	Newberry township	6,395			
Miami	Newton township	3,516			
Miami	Piqua city	20,354			
Miami	Springcreek township	2,144			
Miami	Staunton township	2,439			
Miami	Union township	9,569			
Miami	Union city	37			
Miami	Washington township	1,503			
Miami County Total			108,774		
Monroe	Adams township	620			
Monroe	Benton township	298			
Monroe	Bethel township	271			
Monroe	Center township	3,446			
Monroe	Franklin township	378			
Monroe	Green township	419			
Monroe	Jackson township	411			
Monroe	Lee township	883			
Monroe	Malaga township	1,038			
Monroe	Ohio township	837			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Monroe	Perry township	420			
Monroe	Salem township	831			
Monroe	Seneca township	444			
Monroe	Summit township	595			
Monroe	Sunsbury township	1,267			
Monroe	Switzerland township	462			
Monroe	Washington township	429			
Monroe	Wayne township	336			
Monroe County Total			13,385		
Montgomery	Butler township	8,269			
Montgomery	Clay township	8,876			
Montgomery	Clayton city	13,310			
Montgomery	Dayton city	137,644			
Montgomery	Englewood city	13,463			
Montgomery	German township	8,747			
Montgomery	Harrison township	21,814			
Montgomery	Huber Heights city	37,788			
Montgomery	Jackson township	6,076			
Montgomery	Jefferson township	5,855			
Montgomery	Kettering city	57,123			
Montgomery	Miami township	52,156			
Montgomery	Moraine city	6,393			
Montgomery	Oakwood city	9,572			
Montgomery	Perry township	5,848			
Montgomery	Riverside city	24,474			
Montgomery	Trotwood city	23,070			
Montgomery	Union City township	6,811			
Montgomery	Vandalia city	15,209			

County	Subdivision	2020 Census	2020 County	2010 Census	Change from 2010 to 2020
		Pop	Pop	Pop	
Montgomery	Washington township	61,682			
Montgomery	Wayne township	-			
Montgomery	West Carrollton city	13,129			
Montgomery County Total			537,309		
Morgan	Bloom township	962			
Morgan	Bristol township	182			
Morgan	Center township	677			
Morgan	Deerfield township	839			
Morgan	Homer township	1,006			
Morgan	Malta township	1,686			
Morgan	Manchester township	117			
Morgan	Marion township	1,181			
Morgan	Meigsville township	921			
Morgan	Morgan township	2,287			
Morgan	Penn township	656			
Morgan	Union township	638			
Morgan	Windsor township	1,897			
Morgan	York township	753			
Morgan County Total			13,802		
Morrow	Bennington township	3,297			
Morrow	Canaan township	900			
Morrow	Cardington township	3,031			
Morrow	Chester township	1,851			
Morrow	Congress township	2,939			
Morrow	Franklin township	1,609			
Morrow	Galion city	-			
Morrow	Gilead township	5,942			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Morrow	Harmony township	2,610			
Morrow	Lincoln township	2,040			
Morrow	North Bloomfield township	1,853			
Morrow	Perry township	1,971			
Morrow	Peru township	1,496			
Morrow	South Bloomfield township	1,768			
Morrow	Troy township	1,156			
Morrow	Washington township	1,261			
Morrow	Westfield township	1,226			
Morrow County Total			34,950		
Muskingum	Adams township	619			
Muskingum	Blue Rock township	622			
Muskingum	Brush Creek township	1,286			
Muskingum	Cass township	1,811			
Muskingum	Clay township	971			
Muskingum	Falls township	8,718			
Muskingum	Harrison township	1,521			
Muskingum	Highland township	902			
Muskingum	Hopewell township	3,193			
Muskingum	Jackson township	2,425			
Muskingum	Jefferson township	1,850			
Muskingum	Licking township	2,352			
Muskingum	Madison township	496			
Muskingum	Meigs township	228			
Muskingum	Monroe township	521			
Muskingum	Muskingum township	4,861			
Muskingum	Newton township	5,247			
Muskingum	Perry township	2,728			

		2020 Census	2020 County	2010 Census	Change from
County	Subdivision	Pop	Pop	Pop	2010 to 2020
Muskingum	Rich Hill township	489			
Muskingum	Salem township	946			
Muskingum	Salt Creek township	1,153			
Muskingum	Springfield township	5,452			
Muskingum	Union township	4,265			
Muskingum	Washington township	4,097			
Muskingum	Wayne township	4,892			
Muskingum	Zanesville city	24,765			
Muskingum County Total			86,410		
Noble	Beaver township	755			
Noble	Brookfield township	112			
Noble	Buffalo township	885			
Noble	Center township	1,073			
Noble	Elk township	303			
Noble	Enoch township	443			
Noble	Jackson township	485			
Noble	Jefferson township	187			
Noble	Marion township	618			
Noble	Noble township	1,986			
Noble	Olive township	5,724			
Noble	Seneca township	423			
Noble	Sharon township	330			
Noble	Stock township	312			
Noble	Wayne township	479			
Noble County Total			14,115		
Ottawa	Allen township	3,773			
Ottawa	Bay township	1,142			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Ottawa	Benton township	2,449			
Ottawa	Carroll township	2,117			
Ottawa	Catawba Island township	3,711			
Ottawa	Clay township	4,825			
Ottawa	Danbury township	4,924			
Ottawa	Erie township	1,147			
Ottawa	Harris township	2,910			
Ottawa	Portage township	1,217			
Ottawa	Port Clinton city	6,025			
Ottawa	Put-in-Bay township	813			
Ottawa	Salem township	5,311			
Ottawa County Total			40,364		
Paulding	Auglaize township	1,332			
Paulding	Benton township	1,019			
Paulding	Blue Creek township	700			
Paulding	Brown township	1,924			
Paulding	Carryall township	3,010			
Paulding	Crane township	1,253			
Paulding	Emerald township	765			
Paulding	Harrison township	1,511			
Paulding	Jackson township	1,773			
Paulding	Latty township	978			
Paulding	Paulding township	3,878			
Paulding	Washington township	663			
Paulding County Total			18,806		
Perry	Bearfield township	1,465			
Perry	Clayton township	1,565			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Perry	Coal township	939			
Perry	Harrison township	5,145			
Perry	Hopewell township	2,583			
Perry	Jackson township	2,761			
Perry	Madison township	1,367			
Perry	Monday Creek township	694			
Perry	Monroe township	1,356			
Perry	Pike township	6,688			
Perry	Pleasant township	842			
Perry	Reading township	4,358			
Perry	Salt Lick township	1,090			
Perry	Thorn township	4,555			
Perry County Total			35,408		
Pickaway	Circleville city	13,927			
Pickaway	Circleville township	2,531			
Pickaway	Darby township	3,213			
Pickaway	Deercreek township	1,613			
Pickaway	Harrison township	8,274			
Pickaway	Jackson township	1,098			
Pickaway	Madison township	1,712			
Pickaway	Monroe township	1,250			
Pickaway	Muhlenberg township	813			
Pickaway	Perry township	1,253			
Pickaway	Pickaway township	2,036			
Pickaway	Saltcreek township	2,727			
Pickaway	Scioto township	11,712			
Pickaway	Walnut township	2,962			
Pickaway	Washington township	2,991			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Pickaway	Wayne township	427			
Pickaway County Total			58,539		
PIKE_	Beaver township	1,291			
PIKE_	Benton township	1,583			
PIKE_	Camp Creek township	1,057			
PIKE_	Jackson township	1,170			
PIKE_	Marion township	1,478			
PIKE_	Mifflin township	1,210			
PIKE_	Newton township	1,810			
PIKE_	Pebble township	2,428			
PIKE_	Pee Pee township	7,392			
PIKE_	Perry township	915			
PIKE_	Scioto township	1,061			
PIKE_	Seal township	3,351			
PIKE_	Sunfish township	1,115			
PIKE_	Union township	1,227			
County Total			27,088		
Portage	Atwater township	2,564			
Portage	Aurora city	17,239			
Portage	Brimfield township	11,352			
Portage	Charlestown township	1,735			
Portage	Deerfield township	2,838			
Portage	Edinburg township	2,351			
Portage	Franklin township	6,283			
Portage	Freedom township	2,649			
Portage	Garrettsville village	2,449			
Portage	Hiram village	996			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Portage	Hiram township	2,396			
Portage	Kent city	28,215			
Portage	Mantua village	1,001			
Portage	Mantua township	4,576			
Portage	Mogadore village	1,012			
Portage	Nelson township	3,101			
Portage	Palmyra township	2,780			
Portage	Paris township	1,648			
Portage	Randolph township	5,276			
Portage	Ravenna city	11,323			
Portage	Ravenna township	8,980			
Portage	Rootstown township	8,602			
Portage	Shalersville township	5,245			
Portage	Streetsboro city	17,260			
Portage	Suffield township	5,973			
Portage	Sugar Bush Knolls village	217			
Portage	Tallmadge city	280			
Portage	Windham village	1,666			
Portage	Windham township	1,784			
Portage County Total			161,791		
Preble	Dixon township	568			
Preble	Eaton city	8,375			
Preble	Gasper township	3,911			
Preble	Gratis township	4,224			
Preble	Harrison township	4,305			
Preble	Israel township	1,131			
Preble	Jackson township	1,141			
Preble	Jefferson township	3,226			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Preble	Lanier township	3,727			
Preble	Monroe township	2,084			
Preble	Somers township	3,829			
Preble	Twin township	2,669			
Preble	Washington township	1,809			
Preble County Total			40,999		
Putnam	Blanchard township	1,224			
Putnam	Greensburg township	1,427			
Putnam	Jackson township	885			
Putnam	Jennings township	2,002			
Putnam	Liberty township	1,675			
Putnam	Monroe township	2,044			
Putnam	Monterey township	2,029			
Putnam	Ottawa township	8,034			
Putnam	Palmer township	1,137			
Putnam	Perry township	1,011			
Putnam	Pleasant township	3,794			
Putnam	Riley township	2,242			
Putnam	Sugar Creek township	1,181			
Putnam	Union township	2,945			
Putnam	Van Buren township	2,821			
Putnam County Total			34,451		
Richland	Bloomington township	1,295			
Richland	Butler township	1,167			
Richland	Cass township	1,599			
Richland	Franklin township	1,679			
Richland	Jackson township	3,700			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Richland	Jefferson township	4,905			
Richland	Madison township	11,106			
Richland	Mansfield city	47,534			
Richland	Mifflin township	6,106			
Richland	Monroe township	2,721			
Richland	Perry township	1,461			
Richland	Plymouth township	1,981			
Richland	Sandusky township	1,002			
Richland	Sharon township	9,006			
Richland	Springfield township	11,064			
Richland	Troy township	7,116			
Richland	Washington township	6,622			
Richland	Weller township	1,884			
Richland	Worthington township	2,988			
Richland County Total			124,936		
Ross	Buckskin township	2,047			
Ross	Colerain township	2,017			
Ross	Concord township	4,743			
Ross	Deerfield township	1,039			
Ross	Franklin township	1,439			
Ross	Green township	5,186			
Ross	Harrison township	1,189			
Ross	Huntington township	6,069			
Ross	Jefferson township	1,064			
Ross	Liberty township	2,623			
Ross	Paint township	1,288			
Ross	Paxton township	1,918			
Ross	Scioto township	27,876			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Ross	Springfield township	2,573			
Ross	Twin township	3,492			
Ross	Union township	12,530			
Ross County Total			77,093		
Sandusky	Ballville township	6,042			
Sandusky	Bellevue city	4,595			
Sandusky	Clyde city	6,294			
Sandusky	Fremont city	15,930			
Sandusky	Green Creek township	3,389			
Sandusky	Green Springs village	588			
Sandusky	Jackson township	1,610			
Sandusky	Madison township	3,587			
Sandusky	Rice township	1,143			
Sandusky	Riley township	1,214			
Sandusky	Sandusky township	3,551			
Sandusky	Scott township	1,333			
Sandusky	Townsend township	1,523			
Sandusky	Washington township	2,315			
Sandusky	Woodville township	3,303			
Sandusky	York township	2,479			
Sandusky County Total			58,896		
Scioto	Bloom township	2,714			
Scioto	Brush Creek township	1,114			
Scioto	Clay township	3,516			
Scioto	Green township	4,107			
Scioto	Harrison township	4,275			
Scioto	Jefferson township	2,546			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Scioto	Madison township	3,887			
Scioto	Morgan township	2,232			
Scioto	New Boston village	2,297			
Scioto	Nile township	2,350			
Scioto	Porter township	9,876			
Scioto	Portsmouth city	18,252			
Scioto	Rarden township	1,106			
Scioto	Rush township	2,939			
Scioto	Union township	2,057			
Scioto	Valley township	3,635			
Scioto	Vernon township	1,891			
Scioto	Washington township	5,214			
Scioto County Total			74,008		
Seneca	Adams township	1,247			
Seneca	Big Spring township	1,683			
Seneca	Bloom township	1,624			
Seneca	Clinton township	4,105			
Seneca	Eden township	2,042			
Seneca	Fostoria city	9,036			
Seneca	Green Springs village	645			
Seneca	Hopewell township	2,672			
Seneca	Jackson township	1,401			
Seneca	Liberty township	2,029			
Seneca	Loudon township	2,246			
Seneca	Pleasant township	1,477			
Seneca	Reed township	738			
Seneca	Scipio township	1,674			
Seneca	Seneca township	1,444			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Seneca	Thompson township	1,370			
Seneca	Tiffin city	17,953			
Seneca	Venice township	1,683			
Seneca County Total			55,069		
Shelby	Clinton township	20,317			
Shelby	Cynthian township	2,000			
Shelby	Dinsmore township	3,379			
Shelby	Franklin township	3,457			
Shelby	Green township	903			
Shelby	Jackson township	2,414			
Shelby	Loramie township	2,650			
Shelby	McLean township	3,378			
Shelby	Orange township	1,087			
Shelby	Perry township	982			
Shelby	Salem township	2,076			
Shelby	Turtle Creek township	1,605			
Shelby	Van Buren township	2,083			
Shelby	Washington township	1,899			
Shelby County Total			48,230		
Stark	Alliance city	21,622			
Stark	Bethlehem township	5,520			
Stark	Canton city	70,872			
Stark	Canton township	12,477			
Stark	Jackson township	43,067			
Stark	Lake township	30,324			
Stark	Lawrence township	13,548			
Stark	Lexington township	4,925			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Stark	Louisville city	9,521			
Stark	Marlboro township	4,277			
Stark	Massillon city	32,146			
Stark	Nimishillen township	9,354			
Stark	Osnaburg township	5,421			
Stark	Paris township	5,743			
Stark	Perry township	28,389			
Stark	Pike township	3,818			
Stark	Plain township	53,477			
Stark	Sandy township	3,561			
Stark	Sugar Creek township	6,547			
Stark	Tuscarawas township	5,801			
Stark	Washington township	4,443			
Stark County Total			374,853		
Summit	Akron city	190,469			
Summit	Barberton city	25,191			
Summit	Bath township	10,024			
Summit	Boston township	1,401			
Summit	Boston Heights village	1,402			
Summit	Clinton village	1,197			
Summit	Copley township	18,403			
Summit	Coventry township	10,238			
Summit	Cuyahoga Falls city	51,114			
Summit	Fairlawn city	7,710			
Summit	Green city	27,475			
Summit	Hudson city	23,110			
Summit	Lakemore village	2,926			
Summit	Macedonia city	12,168			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Summit	Mogadore village	2,799			
Summit	Munroe Falls city	5,044			
Summit	New Franklin city	13,877			
Summit	Northfield village	3,541			
Summit	Northfield Center township	5,597			
Summit	Norton city	11,668			
Summit	Reminderville village	5,412			
Summit	Richfield township	6,437			
Summit	Sagamore Hills township	10,845			
Summit	Silver Lake village	2,516			
Summit	Springfield township	14,162			
Summit	Stow city	34,483			
Summit	Tallmadge city	18,114			
Summit	Twinsburg city	19,248			
Summit	Twinsburg township	3,857			
Summit County Total			540,428		
Trumbull	Bazetta township	5,912			
Trumbull	Bloomfield township	1,249			
Trumbull	Braceville township	2,467			
Trumbull	Bristol township	2,704			
Trumbull	Brookfield township	8,447			
Trumbull	Champion township	9,381			
Trumbull	Cortland city	7,105			
Trumbull	Farmington township	2,993			
Trumbull	Fowler township	2,360			
Trumbull	Greene township	950			
Trumbull	Gustavus township	834			
Trumbull	Hartford township	1,861			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Trumbull	Howland township	19,042			
Trumbull	Hubbard township	12,969			
Trumbull	Johnston township	1,739			
Trumbull	Kinsman township	1,751			
Trumbull	Liberty township	21,514			
Trumbull	Lordstown village	3,332			
Trumbull	McDonald village	3,172			
Trumbull	Mecca township	2,319			
Trumbull	Mesopotamia township	3,404			
Trumbull	Newton township	8,618			
Trumbull	Orangeville village	174			
Trumbull	Southington township	3,731			
Trumbull	Vernon township	1,337			
Trumbull	Vienna township	3,978			
Trumbull	Warren city	39,201			
Trumbull	Warren township	4,744			
Trumbull	Weathersfield township	24,689			
Trumbull	Youngstown city	-			
Trumbull County Total			201,977		
Tuscarawas	Auburn township	1,109			
Tuscarawas	Bucks township	1,942			
Tuscarawas	Clay township	1,942			
Tuscarawas	Dover city	13,112			
Tuscarawas	Dover township	4,515			
Tuscarawas	Fairfield township	1,509			
Tuscarawas	Franklin township	4,846			
Tuscarawas	Goshen township	5,081			
Tuscarawas	Jefferson township	958			

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County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Tuscarawas	Lawrence township	5,870			
Tuscarawas	Mill township	9,782			
Tuscarawas	New Philadelphia city	17,677			
Tuscarawas	Oxford township	4,789			
Tuscarawas	Perry township	439			
Tuscarawas	Rush township	867			
Tuscarawas	Salem township	1,584			
Tuscarawas	Sandy township	2,946			
Tuscarawas	Sugar Creek township	4,464			
Tuscarawas	Union township	1,449			
Tuscarawas	Warren township	1,078			
Tuscarawas	Warwick township	2,827			
Tuscarawas	Washington township	739			
Tuscarawas	Wayne township	2,409			
Tuscarawas	York township	1,329			
Tuscarawas County Total			93,263		
Union	Allen township	2,365			
Union	Claibourne township	3,481			
Union	Darby township	2,397			
Union	Dover township	2,326			
Union	Jackson township	954			
Union	Jerome township	9,504			
Union	Leesburg township	1,487			
Union	Liberty township	2,048			
Union	Millcreek township	1,332			
Union	Paris township	27,167			
Union	Taylor township	1,516			
Union	Union township	1,710			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Union	Washington township	4,344			
Union	Washington township	812			
Union	York township	1,341			
Union County Total			62,784		
Van Wert	Harrison township	1,020			
Van Wert	Hoaglin township	650			
Van Wert	Jackson township	446			
Van Wert	Jennings township	636			
Van Wert	Liberty township	1,437			
Van Wert	Pleasant township	10,928			
Van Wert	Ridge township	3,309			
Van Wert	Tully township	2,013			
Van Wert	Union township	946			
Van Wert	Washington township	5,126			
Van Wert	Willshire township	1,652			
Van Wert	York township	768			
Van Wert County Total			28,931		
Vinton	Brown township	255			
Vinton	Clinton township	1,847			
Vinton	Eagle township	667			
Vinton	Elk township	3,287			
Vinton	Harrison township	1,084			
Vinton	Jackson township	721			
Vinton	Knox township	541			
Vinton	Madison township	532			
Vinton	Richland township	1,620			
Vinton	Swan township	892			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Vinton	Vinton township	544			
Vinton	Wilkesville township	810			
Vinton County Total			12,800		
Warren	Clear Creek township	36,238			
Warren	Deerfield township	40,525			
Warren	Franklin township	31,676			
Warren	Hamilton township	30,587			
Warren	Harlan township	4,929			
Warren	Lebanon city	20,841			
Warren	Loveland city	1,034			
Warren	Mason city	34,792			
Warren	Massie township	1,195			
Warren	Salem township	5,215			
Warren	Turtlecreek township	17,644			
Warren	Union township	6,251			
Warren	Washington township	2,752			
Warren	Wayne township	8,658			
Warren County Total			242,337		
Washington	Adams township	1,516			
Washington	Aurelius township	326			
Washington	Barlow township	2,560			
Washington	Belpre city	6,728			
Washington	Belpre township	3,897			
Washington	Decatur township	1,342			
Washington	Dunham township	2,581			
Washington	Fairfield township	1,133			
Washington	Fearing township	858			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Washington	Grandview township	1,396			
Washington	Independence township	315			
Washington	Lawrence township	824			
Washington	Liberty township	438			
Washington	Ludlow township	289			
Washington	Marietta city	13,385			
Washington	Marietta township	4,265			
Washington	Muskingum township	4,424			
Washington	Newport township	1,901			
Washington	Palmer township	547			
Washington	Salem township	1,058			
Washington	Warren township	3,948			
Washington	Waterford township	3,547			
Washington	Watertown township	1,541			
Washington	Wesley township	952			
Washington County Total			59,771		
Wayne	Baughman township	4,799			
Wayne	Canaan township	5,134			
Wayne	Chester township	3,043			
Wayne	Chippewa township	9,795			
Wayne	Clinton township	3,165			
Wayne	Congress township	4,439			
Wayne	East Union township	6,946			
Wayne	Franklin township	4,235			
Wayne	Green township	12,246			
Wayne	Milton township	2,964			
Wayne	Norton city	5			
Wayne	Paint township	3,458			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Wayne	Plain township	3,069			
Wayne	Rittman city	6,015			
Wayne	Salt Creek township	4,542			
Wayne	Sugar Creek township	7,187			
Wayne	Wayne township	4,005			
Wayne	Wooster city	27,232			
Wayne	Wooster township	4,615			
Wayne County Total			116,894		
Williams	Brady township	2,621			
Williams	Bridgewater township	1,434			
Williams	Bryan city	8,729			
Williams	Center township	2,928			
Williams	Florence township	1,973			
Williams	Jefferson township	1,814			
Williams	Madison township	895			
Williams	Mill Creek township	752			
Williams	Montpelier village	3,942			
Williams	Northwest township	1,139			
Williams	Pioneer village	1,429			
Williams	Pulaski township	2,446			
Williams	St. Joseph township	2,666			
Williams	Springfield township	3,048			
Williams	Superior township	1,286			
Williams County Total			37,102		
Wood	Bloom township	2,513			
Wood	Bowling Green city	30,808			
Wood	Center township	1,140			

County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Wood	Fostoria city	1,092			
Wood	Freedom township	2,644			
Wood	Grand Rapids township	1,586			
Wood	Henry township	4,079			
Wood	Jackson township	702			
Wood	Lake township	11,160			
Wood	Liberty township	1,690			
Wood	Middleton township	5,611			
Wood	Milton township	929			
Wood	Montgomery township	4,157			
Wood	Northwood city	5,160			
Wood	Perry township	1,568			
Wood	Perrysburg city	25,041			
Wood	Perrysburg township	13,571			
Wood	Plain township	1,625			
Wood	Portage township	1,558			
Wood	Rossford city	6,299			
Wood	Troy township	4,097			
Wood	Washington township	1,864			
Wood	Webster township	1,230			
Wood	Weston township	2,124			
Wood County Total			132,248		
Wyandot	Antrim township	1,155			
Wyandot	Crane township	7,533			
Wyandot	Crawford township	4,610			
Wyandot	Eden township	1,045			
Wyandot	Jackson township	596			
Wyandot	Marseilles township	404			

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County	Subdivision	2020 Census Pop	2020 County Pop	2010 Census Pop	Change from 2010 to 2020
Wyandot	Mifflin township	741			
Wyandot	Pitt township	909			
Wyandot	Richland township	846			
Wyandot	Ridge township	532			
Wyandot	Salem township	981			
Wyandot	Sycamore township	1,462			
Wyandot	Tymochtee township	1,086			
Wyandot County Total			21,900		

State Population Totals

11,799,448

11,799,448

MEMORANDUM

To: Ohio Legislative Service Commission
Kristin Rhee, Fiscal Officer
77 S. High St, 9th Floor
Columbus, Ohio 43215

From: Senator Rob McColley
State Senator, District #01
Task Force Co-Chair

Date: July 13, 2021

Re: Purchases according to April 23, 2021 Agreement

Pursuant to the bipartisan agreement for the allocation of funds signed on April 23rd by Minority Leader Emilia Sykes and myself as Co-Chairs of the Legislative Task Force on Redistricting, Reapportionment & Demographic Research, I am attaching an invoice to be immediately paid.

The invoice is for \$20,000 for software purchases and should be attributed to the \$150,000 allocation for the joint Republican caucuses.

If you have any questions – please feel free to contact me.



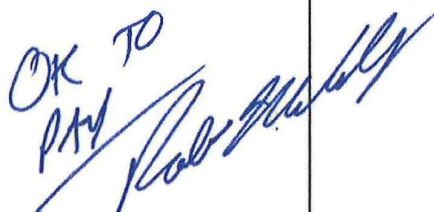
Caliper Corporation
1172 Beacon Street, Ste. 300
Newton, MA 02461
Tel: 617-527-4700 Fax: 617-527-5113
www.caliper.com
sales@caliper.com

Pro-Forma Invoice

Date	Pro-Forma#
7/13/2021	19719

Bill to:
Legislative Task Force on Redistricting Ray Dirossi 77 South High Street, 14th Floor Columbus, OH 43215

Ship To:
Legislative Task Force on Redistricting Ray Dirossi 77 South High Street, 14th Floor Columbus, OH 43215

Contact E-mail	FB Case		# Days Valid	Terms
	319513		90	Prepayment
Description	Region	Quantity	Cost	Total
Mapitude for Redistricting with HERE & TIGER Data License State Package: OH	USA	2	10,000.00	20,000.00T
Shipping - Free via Download		1	0.00	0.00
				

NOTES:

- 1) Please reference invoice number with payment
- 2) Buyer is responsible for all taxes, duties, VAT, fees, and retentions
- 3) Caliper's Federal Tax ID Number is 04-2806868
- 4) Use of the Software is subject to the terms & conditions of the License Agreement

WIRE TRANSFER INSTRUCTIONS

Bank of America. 100 West 33rd St
New York, NY 10001, USA
Swift Code: BOFAUS3N
ABA Code: 026009593
Recipient Name: Caliper Corporation
Account Type: Business Economy Checking
Account #:004621123760

ACH TRANSFER INSTRUCTIONS

Bank of America. 100 Federal Street
Boston, MA, 02110, USA
Swift Code: BOFAUS3N
ABA Code: 011000138
Recipient Name: Caliper Corporation
Account Name: Business Economy Checking
Account #:004621123760

Subtotal \$20,000.00

Sales Tax (0.0%) \$0.00

Total \$20,000.00

HUFFMAN_002028

MEMORANDUM

To: Ohio Legislative Service Commission
Kristin Rhee, Fiscal Officer
77 S. High St, 9th Floor
Columbus, Ohio 43215

From: Senator Rob McColley
State Senator, District #01
Task Force Co-Chair

Date: July 14, 2021

Re: Purchases according to April 23, 2021 Agreement

Pursuant to the bipartisan agreement for the allocation of funds signed on April 23rd by Minority Leader Emilia Sykes and myself as Co-Chairs of the Legislative Task Force on Redistricting, Reapportionment & Demographic Research, I am attaching a summary of a purchase which was made today.

The Ohio Senate made a payment of \$14,849.21 for mostly hardware and equipment purchases, with some minor additional software on the Senate's P-card. Please facilitate a reimbursement to the Ohio Senate for this amount. This should be attributed to the \$150,000 allocation for the joint Republican caucuses.

If you have any questions – please feel free to contact me.

DiRossi, Ray

From: Morefield, Clinton
Sent: Wednesday, July 14, 2021 10:34 AM
To: DiRossi, Ray
Subject: FW: Your Amazon.com order of "2" x AMD Ryzen Threadripper... and 24 more items.

From: Amazon.com <auto-confirm@amazon.com>
Sent: Wednesday, July 14, 2021 10:32 AM
To: Morefield, Clinton <Clinton.Morefield@ohiosenate.gov>
Subject: Your Amazon.com order of "2" x AMD Ryzen Threadripper... and 24 more items.



Order Confirmation

PO# CM0714211

This order is placed on behalf of State of Ohio.

Purchase Summary

today, July 14 **TOTAL \$14,849.21**

Download and manage your digital
video games and software
purchases from

Games and software library

Order 1 of 7 | Order #114-0710124-9486620

Ship to: Clint Morefield COLUMBUS, OH United States

Handwritten signature and initials in blue ink, including "OK" and "P.H.". There are also several illegible signatures.



NZXT Kraken X72 360mm - RL-KRX72-01 - AIO RGB
CPU Liquid Cooler - CAM-Powered - Infinity Mirror
Design - Performance Engineered Pump - Reinforced
Extended Tubing - Aer P120mm Radiator Fan (3 Inc.)
\$129.99 Qty : 2 Sold by [Computer Headquarters, Inc](#)
Condition: Used - Very Good
Tested and 100% functional...[See more](#)

\$259.98

Order 2 of 7 | Order #114-4911503-9361833

Ship to: Clint Morefield COLUMBUS, OH United States

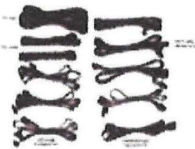


2021 GIGA Byte AORUS GeForce RTX 3070 Master 8G
Graphics Card, 3X WINDFORCE Fans, 8GB 256-bit
GDDR6, Video Card w/ AllyFlex HDMI Cable
\$1,229.99 Qty : 2 Sold by [AmazinXpress Wholesale Group](#)
Condition: New

\$2,459.98

Order 3 of 7 | Order #114-2927805-5811444

Ship to: Clint Morefield COLUMBUS, OH United States



PC Power & Cooling Silencer Series 1050 Watt 80Plus
Platinum Fully-Modular Ultra Quiet ATX PC Power
Supply FPS1050-A5M00
\$190.53 Qty : 2 Sold by [VirVentures](#)
Condition: New

\$381.06

Order 4 of 7 | Order #114-8073891-4635422

Ship to: Clint Morefield COLUMBUS, OH United States



HP DesignJet T630 Large Format Wireless Plotter
Printer - 36", with Modern Office Design (5HB11A)
\$1,899.00 Qty : 1 Sold by [Adorama](#)
Condition: New

\$1,899.00

Order 5 of 7 | Order #114-7572183-2195429

Ship to: Clint Morefield COLUMBUS, OH United States

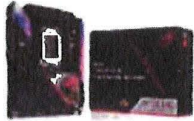


AMD Ryzen Threadripper 3970X 32-Core, 64-Thread
Unlocked Desktop Processor
\$2,135.00 Qty : 2 Sold by [TECH HERO \(SN RECORDED\)](#)
Condition: New

\$4,270.00

Order 6 of 7 | Order #114-9488994-4785001

Ship to: Clint Morefield COLUMBUS, OH United States



ASUS ROG Zenith II Extreme Alpha TRX40 Gaming
AMD 3rd Gen Ryzen Threadripper sTRX4 EATX
Motherboard with 16 Infineon Power Stages, PCIe 4.0,
Wi-Fi 6
\$899.99 Qty : 2 Sold by Amazon.com Services
LLC

\$1,799.98



G.Skill 128GB Trident Z Neo DDR4 3200MHz PC4-
25600 CL16 RGB Quad Channel Kit (4X 32GB)
\$718.99 Qty : 2 Sold by RACERSPEED INC.
Condition: New

\$1,437.98



"LG 32GK650F-B 32" QHD Gaming Monitor with 144Hz
Refresh Rate and Radeon FreeSync Technology", Black
\$289.00 Qty : 4 Sold by Beach Camera Same Day
Shipping
Condition: New

\$1,156.00

+ 4 more products not shown.

Order 7 of 7 | Order #114-6381729-3771427

Ship to: CONFIDENTIAL CONFIDENTIAL, CONFIDENTIAL United States



Windows 10
Pro

Microsoft Windows 10 Pro | Download , Microsoft
\$180.99 Qty : 2 Sold by: Amazon.com Services
LLC

\$361.98



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We hope to see you again soon!
Amazon.com

Did you know?



Regular full-time Amazon employees
receive a **\$15/hr starting wage and
healthcare benefits starting on day one.**

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This email was sent from a notification-only address that cannot accept incoming email. Please do not reply to this message.

DiRossi, Ray

From: Morefield, Clinton
Sent: Friday, July 16, 2021 7:07 PM
To: DiRossi, Ray
Subject: FW: Your Amazon.com order of "6" x HP 712 29ml Cyan DesignJet... and 14 more items.

From: Amazon.com <auto-confirm@amazon.com>
Sent: Friday, July 16, 2021 7:06 PM
To: Morefield, Clinton <Clinton.Morefield@ohiosenate.gov>
Subject: Your Amazon.com order of "6" x HP 712 29ml Cyan DesignJet... and 14 more items.



Order Confirmation

PO# cm0716211

This order is placed on behalf of State of Ohio.

Purchase Summary

today, July 16

Est. Delivery: Friday, July 23

TOTAL \$1,796.72

Clint Morefield
COLUMBUS, OH
United States

[View or manage order](#)

Order 1 of 5 | Order #114-7784496-0743416



HP 712 29ml Cyan DesignJet Original Ink Cartridge for
T650, T630, T230, T210 & Studio Plotter Printers
\$129.52 | Qty : 6 | Sold by [Adorama](#)
Condition: New

\$777.12

Order 2 of 5 | Order #114-5535592-2883453



Logitech Desktop MK120-TAA Keyboard/Mouse Combo
(920-004218)
\$49.00 | Qty : 2 | Sold by [Prime Ship Service](#)
Condition: New

\$98.00

Order 3 of 5 | Order #114-8867306-8320209



USB Extension Cable 10FT Type A Male to Female USB
3.0 Extension Cord AINOPE High Data Transfer
Compatible with Webcam ,GamePad, USB Keyboard,
Flash Drive, Hard Drive, Printer
\$8.59 | Qty : 4 | Sold by [NiceTop](#)
Condition: New

\$34.36

Order 4 of 5 | Order #114-4197350-5017063



HP Q6575A Designjet Large Format Instant Dry Gloss
Photo Paper, 36-Inch x 100 ft, White
\$126.54 | Qty : 6 | Sold by [HiTouch Business Services](#)
Condition: New

\$759.24

Order 5 of 5 | Order #114-1000362-9306615



PlotterPaperDirect CAD Paper Rolls, 36" x 150' (4 Pack),
20 lb. Uncoated 96 Bright White Paper on a 2" Core, 75
GSM Plotter Paper For Engineers, Architects, Copy
Service Shops w/ Inkjet Printers
\$64.00 | Qty : 2 | Sold by [Plotter Paper Direct](#)
Condition: New

\$128.00

To learn more about ordering, go to [Ordering from Amazon.com](#).
If you want more information or need more assistance, go to [Help](#).

Thank you for shopping with us.
Amazon.com

Exclusive items from our brands



Amazon Basics Convertible
Rolling Camera...
\$177.92



CGBE Dual Monitor Stand
Riser, Acrylic Computer...
\$48.99



Metiya Monitor Stand Riser with
3 Height...
\$13.99

The payment for your invoice is processed by Amazon Payments, Inc. P.O. Box 81226 Seattle, Washington 98108-1226. If you need more information, please contact (866) 216-1075

By placing your order, you agree to Amazon.com's [Privacy Notice](#) and [Conditions of Use](#). Unless otherwise noted, items sold by Amazon.com are subject to sales tax in select states in accordance with the applicable laws of that state. If your order contains one or more items from a seller other than Amazon.com, it may be subject to state and local sales tax, depending upon the seller's business policies and the location of their operations. Learn more about [tax and seller information](#).

This email was sent from a notification-only address that cannot accept incoming email. Please do not reply to this message.

DiRossi, Ray

From: Megan Stephens <Megan.Stephens@Hilton.com>
Sent: Monday, July 19, 2021 4:33 PM
To: DiRossi, Ray
Subject: DoubleTree Suites Columbus Downtown - Extended office / reservation space

Good Afternoon Ray,

Thank you for stopping in today to the DoubleTree Columbus. Very nice meeting you both. I hope to have the opportunity to work with you the next several months.

Below is a recap of my understanding of your needs, along with your rate information for both guest room and the Capitol Room meeting space.

August 1 – October 31, 2021 (roughly)

- **1 Double/Double Suite** - \$99+ tax per night (normally \$189+ nightly rate)
 - Two-room suite with private sleeping and living areas – LARGEST ROOMS IN DOWNTOWN COLUMBUS
 - Includes mini fridge, microwave and coffee pot
 - After 30 days, your guest room is tax exempt due to state occupancy laws
 - Accommodations can be arranged on the same floor as the meeting space
- **Capitol Room** - \$4500 total rental for 3 months (over \$11,000 value). If you need to extend, additional months can be added (or prorated) at \$500/month through the end of 2021.
 - Room rental subject to 23% service charge
 - Billing for guest rooms and meeting space can be separate or combined and may be settled every week, bi-weekly or possibly on a monthly basis (verifying with my team)
- All guest rooms and meeting space includes complimentary wi-fi
- Starbucks open 7am-11pm Tues-Sat for coffee and continental items for purchase. Restaurant/room service reopen TBD

QUOTE VALID until 7/31/21

Please let me know if you have any questions or need additional information. You will find that having your guest room and meeting/office space on the same floor is a nice convenience that not many hotels can offer.

Thank you again for the opportunity. I look forward to hearing from you soon!

****Please note, I will be in system implementation training July 19-July 29. Responses will be delayed during this time. Please bear with me and I will respond to every inquiry as soon as possible****

Megan Stephens, CTA - Director of Sales

Direct (614) 545-7797 | Hotel (614) 228-4600 | Fax (614) 358-8228

DoubleTree Suites by Hilton Columbus Downtown

50 South Front Street Columbus, Ohio 43215

ColumbusSuites.DoubleTree.com | [Become a fan on Facebook](#) | [Follow us on Twitter](#)

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DiRossi, Ray

From: DiRossi, Ray
Sent: Monday, July 19, 2021 8:55 AM
To: Morefield, Clinton
Subject: RE: Your Amazon.com order of "6" x HP 712 29ml Cyan DesignJet... and 14 more items.

thanks

From: Morefield, Clinton <Clinton.Morefield@ohiosenate.gov>
Sent: Friday, July 16, 2021 7:07 PM
To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Subject: FW: Your Amazon.com order of "6" x HP 712 29ml Cyan DesignJet... and 14 more items.

From: Amazon.com <auto-confirm@amazon.com>
Sent: Friday, July 16, 2021 7:06 PM
To: Morefield, Clinton <Clinton.Morefield@ohiosenate.gov>
Subject: Your Amazon.com order of "6" x HP 712 29ml Cyan DesignJet... and 14 more items.



Order Confirmation

PO# cm0716211

This order is placed on behalf of State of Ohio.

Purchase Summary

today, July 16

Est. Delivery: Friday, July 23

TOTAL \$1,796.72

Clint Morefield
COLUMBUS, OH
United States

[View or manage order](#)

Order 1 of 5 | Order #114-7784496-0743416



HP 712 29ml Cyan DesignJet Original Ink Cartridge for
T650, T630, T230, T210 & Studio Plotter Printers

\$777.12

\$129.52 | Qty : 6 | Sold by [Adorama](#)

Condition: New

Order 2 of 5 | Order #114-5535592-2883453



Logitech Desktop MK120-TAA Keyboard/Mouse Combo
(920-004218)

\$98.00

\$49.00 | Qty : 2 | Sold by [Prime Ship Service](#)

Condition: New

Order 3 of 5 | Order #114-8867306-8320209



USB Extension Cable 10FT Type A Male to Female USB
3.0 Extension Cord AINOPE High Data Transfer
Compatible with Webcam ,GamePad, USB Keyboard,
Flash Drive, Hard Drive, Printer

\$34.36

\$8.59 | Qty : 4 | Sold by [NiceTop](#)

Condition: New

Order 4 of 5 | Order #114-4197350-5017063



HP Q6575A Designjet Large Format Instant Dry Gloss
Photo Paper, 36-Inch x 100 ft, White

\$759.24

\$126.54 | Qty : 6 | Sold by [HiTouch Business Services](#)

Condition: New

Order 5 of 5 | Order #114-1000362-9306615



PlotterPaperDirect CAD Paper Rolls, 36" x 150' (4 Pack),
20 lb. Uncoated 96 Bright White Paper on a 2" Core, 75
GSM Plotter Paper For Engineers, Architects, Copy
Service Shops w/ Inkjet Printers

\$128.00

\$64.00 | Qty : 2 | Sold by [Plotter Paper Direct](#)

Condition: New

To learn more about ordering, go to [Ordering from Amazon.com](#).
If you want more information or need more assistance, go to [Help](#).

Thank you for shopping with us.
Amazon.com

Exclusive items from our brands



Amazon Basics Convertible
Rolling Camera...
\$177.92



CGBE Dual Monitor Stand
Riser, Acrylic Computer...
\$48.99



Metiya Monitor Stand Riser with
3 Height...
\$13.99

The payment for your invoice is processed by Amazon Payments, Inc. P.O. Box 81226 Seattle, Washington 98108-1226. If you need more information, please contact (866) 216-1075

By placing your order, you agree to Amazon.com's [Privacy Notice](#) and [Conditions of Use](#). Unless otherwise noted, items sold by Amazon.com are subject to sales tax in select states in accordance with the applicable laws of that state. If your order contains one or more items from a seller other than Amazon.com, it may be subject to state and local sales tax, depending upon the seller's business policies and the location of their operations. Learn more about [tax and seller information](#).

This email was sent from a notification-only address that cannot accept incoming email. Please do not reply to this message.

DiRossi, Ray

From: DiRossi, Ray
Sent: Wednesday, July 21, 2021 9:47 AM
To: 'Megan Stephens'
Subject: RE: DoubleTree Suites Columbus Downtown - Extended office / reservation space

thanks for the quick information and proposal
let's stay in touch
Ray

From: Megan Stephens <Megan.Stephens@Hilton.com>
Sent: Monday, July 19, 2021 4:33 PM
To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Subject: DoubleTree Suites Columbus Downtown - Extended office / reservation space

Good Afternoon Ray,

Thank you for stopping in today to the DoubleTree Columbus. Very nice meeting you both. I hope to have the opportunity to work with you the next several months.

Below is a recap of my understanding of your needs, along with your rate information for both guest room and the Capitol Room meeting space.

August 1 – October 31, 2021 (roughly)

- **1 Double/Double Suite** - \$99+ tax per night (normally \$189+ nightly rate)
 - Two-room suite with private sleeping and living areas – LARGEST ROOMS IN DOWNTOWN COLUMBUS
 - Includes mini fridge, microwave and coffee pot
 - After 30 days, your guest room is tax exempt due to state occupancy laws
 - Accommodations can be arranged on the same floor as the meeting space
- **Capitol Room** - \$4500 total rental for 3 months (over \$11,000 value). If you need to extend, additional months can be added (or prorated) at \$500/month through the end of 2021.
 - Room rental subject to 23% service charge
 - Billing for guest rooms and meeting space can be separate or combined and may be settled every week, bi-weekly or possibly on a monthly basis (verifying with my team)
- All guest rooms and meeting space includes complimentary wi-fi
- Starbucks open 7am-11pm Tues-Sat for coffee and continental items for purchase. Restaurant/room service reopen TBD

QUOTE VALID until 7/31/21

Please let me know if you have any questions or need additional information. You will find that having your guest room and meeting/office space on the same floor is a nice convenience that not many hotels can offer.

Thank you again for the opportunity. I look forward to hearing from you soon!

****Please note, I will be in system implementation training July 19-July 29. Responses will be delayed during this time. Please bear with me and I will respond to every inquiry as soon as possible****

Megan Stephens, CTA - Director of Sales

Direct (614) 545-7797 | Hotel (614) 228-4600 | Fax (614) 358-8228

DoubleTree Suites by Hilton Columbus Downtown

50 South Front Street Columbus, Ohio 43215

ColumbusSuites.DoubleTree.com | [Become a fan on Facebook](#) | [Follow us on Twitter](#)

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DiRossi, Ray

From: D'amico , Christina <Christina.D'amico@marriott.com>
Sent: Wednesday, July 21, 2021 1:29 PM
To: DiRossi, Ray
Cc: Speaks, Sherry
Subject: Renaissance Columbus Downtown

Good Afternoon, Ray

This is Christina D'Amico, the Sales Manager at the Renaissance Columbus Downtown.
I wanted to touch base and give you some pricing.

We are able to offer you two guest rooms at the government per diem rate of \$122.00 (per room per night) for the duration of your stay.

It terms of the conference space, I was told that is something we cannot accommodate as there are no specific dates in mind.
If you do have specific dates, the room rental would be between \$300.00 and \$400.00 per day.

If you would like us to reserve the two guest rooms starting August 1st, please let me know.

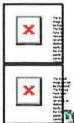
Thank you, Ray!

Sincerely,
Christina

Christina D'Amico
Sales Executive
(513) 257-8439 (M)
[Renaissance Columbus Downtown](#)
[Courtyard Toledo Rossford/Perrysburg](#)
[Courtyard Toledo Maumee/Arrowhead](#)



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Please consider the environment before printing this e-mail.

DiRossi, Ray

From: DiRossi, Ray
Sent: Wednesday, July 21, 2021 1:40 PM
To: 'Mulch, Lindsay (F)'
Subject: RE: Courtyard Columbus Downtown

Lindsay –

Thanks for the email

OK -- not finalized but I can take another step forward

Can you send me an invoice / proposal along the lines of what we discussed?

We will be using this space for sleeping only as we will be working in a traditional office building nearby
I would like to pre-pay for 40 nights at the state govt. per diem of \$122 * 1.1750 = \$143.35

Things to include in the invoice / proposal

Time frame: Starts Monday August 2nd and goes through Tuesday December 7th

If we don't utilize 40 stays – there is no refund

If we utilize 40 stays – a room is still guaranteed during that timeframe but for an additional charge of \$122 plus applicable taxes

If we are both staying overnight but want 2 separate rooms – that can be accommodated but it would be charged against the 40 stays as 2 separate stays

For my information – what time is check out each day?

want to make sure we are on the same page if checkout is 10AM

if we check in at 1AM on Saturday AM and don't leave till Noon on Sunday
would that be one "stay" or 2?

Ray DiRossi
Director of Finance and Budget
Ohio Senate Majority Caucus
Statehouse, Suite 205
Columbus, Ohio 43215



(O) 614.466.4947

(C) 614.578.3848

ray.dirossi@ohiosenate.gov

From: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Sent: Wednesday, July 21, 2021 11:25 AM
To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Subject: Courtyard Columbus Downtown

Good Morning Ray!

Thank you for stopping in yesterday, and it was great talking with you. For August-December of 2021 we can offer the **\$122** government per diem as the rate for the Local negotiated rate our tax rate is 17.50% and are not included in the \$122 rate. You would need to utilize 40-50 room nights during the August-December time frame, and we can certainly keep a check on file to route your room and tax charges to. Let me know if you would like to move forward and I can put together a Local Negotiated Rate Agreement for you (this will allow you to book when needed at the rate and will route charges for you). Please let me know if you have any further questions. Have a great rest of your week!

Thanks,

Lindsay Mulch
Director of Sales
Courtyard by Marriott Columbus Downtown
35 W Spring St
Columbus, OH 43215
T: 614.228.3200 x 182
F: 614.228.6752
E: Lindsay.Mulch2@Marriott.com
<http://marriott.com/cmhcyc>

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DiRossi, Ray

From: DiRossi, Ray
Sent: Wednesday, July 21, 2021 1:51 PM
To: 'D'amico , Christina'
Cc: Speaks, Sherry
Subject: RE: Renaissance Columbus Downtown

Christina
Thanks for the email

Let me clarify to make sure I understand
because as you will see below
I think you are suggesting rather large numbers which I can't make work with state resources

Anyway -- FYI -- the dates for the conference / meeting space would be the same
August 1st through December 6th

That's 123 days

so it sounds like your suggesting
if just renting 2 rooms for overnight sleep
it would be $\$122 * \text{taxes @ } 17.5\% * 123 \text{ nights} * 2 = \$ 35,264.1$

if we wanted the conference room for our office -- and also rooms for overnight sleeping
it would be $\$350$ (number between $\$300$ and $\$400$) * taxes @ 17.5% * 123 nights = $\$50,583.75$

Let me know if I have a error in this methodology

Those are very large #s

Thanks
Ray

Ray DiRossi
Director of Finance and Budget
Ohio Senate Majority Caucus
Statehouse, Suite 205
Columbus, Ohio 43215



(O) 614.466.4947
(C) 614.578.3848
ray.dirossi@ohiosenate.gov

From: D'amico , Christina <Christina.D'amico@marriott.com>
Sent: Wednesday, July 21, 2021 1:29 PM
To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Cc: Speaks, Sherry <Sherry.Speaks@renaissancehotels.com>
Subject: Renaissance Columbus Downtown

Good Afternoon, Ray

This is Christina D'Amico, the Sales Manager at the Renaissance Columbus Downtown.
I wanted to touch base and give you some pricing.

We are able to offer you two guest rooms at the government per diem rate of \$122.00 (per room per night) for the duration of your stay.

It terms of the conference space, I was told that is something we cannot accommodate as there are no specific dates in mind.
If you do have specific dates, the room rental would be between \$300.00 and \$400.00 per day.

If you would like us to reserve the two guest rooms starting August 1st, please let me know.

Thank you, Ray!

Sincerely,
Christina

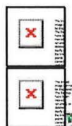
Christina D'Amico
Sales Executive
(513) 257-8439 (M)
[Renaissance Columbus Downtown](#)
[Courtyard Toledo Rossford/Perrysburg](#)
[Courtyard Toledo Maumee/Arrowhead](#)



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Please consider the environment before printing this e-mail.

DiRossi, Ray

From: DiRossi, Ray
Sent: Friday, July 23, 2021 9:15 AM
To: 'Kezia Ross'
Subject: RE: Residence Inn Downtown hotel and workspace

Kezia

Thanks for the time the other day to show us the facilities
looks like we are heading down a separate path with office space in a state building
not finalized yet but I'm pretty sure that's where we will end up
I'll be in touch if that changes

Thank you

From: Kezia Ross <Kezia.Ross@concordhotels.com>
Sent: Thursday, July 22, 2021 3:50 PM
To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Subject: Residence Inn Downtown hotel and workspace

Hi Ray –

I hope all is well.

Checking in to see if you have made your decision on where to do your three month project. I think you guys would be most comfortable here at our property and have the best service experience as well, so hopefully we can continue the conversation.

Looking forward to hearing back from you!

Kindly,

Kezia Ross | Director of Sales, CTA
CONCORD HOSPITALITY
D 614.456.2002 | Kezia.Ross@ConcordHotels.com

**RESIDENCE INN BY MARRIOTT® COLUMBUS DOWNTOWN
& BUCKEYE BOURBON HOUSE**
36 E. Gay St. | Columbus, OH 43215

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Supporting Community
Growing Profitability
Having Fun*



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DiRossi, Ray

From: Kezia Ross <Kezia.Ross@concordhotels.com>
Sent: Friday, July 23, 2021 10:16 AM
To: DiRossi, Ray
Subject: RE: Residence Inn Downtown hotel and workspace

Good to know, thank you. My commentary still stands. :) Reach out if you are unhappy and want to try something else. If not, no worries – I truly appreciate the opportunity to have had a tour with you and your colleague as a potential option for your long term project.

Kezia Ross | Director of Sales, CTA
CONCORD HOSPITALITY
D 614.456.2002 | Kezia.Ross@ConcordHotels.com

**RESIDENCE INN BY MARRIOTT® COLUMBUS DOWNTOWN
& BUCKEYE BOURBON HOUSE**
36 E. Gay St. | Columbus, OH 43215

From: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Sent: Friday, July 23, 2021 10:14 AM
To: Kezia Ross <Kezia.Ross@concordhotels.com>
Subject: RE: Residence Inn Downtown hotel and workspace

**** Warning - this message originated externally, please use caution with links and attachments. ****

I don't think it's going to be the Sheraton

From: Kezia Ross <Kezia.Ross@concordhotels.com>
Sent: Friday, July 23, 2021 10:09 AM
To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Subject: RE: Residence Inn Downtown hotel and workspace

Sheraton, got it. ;-)

If you don't like it, or want something that has breakfast included and kitchens, reach out. We'd love to have you guys stay with us.

Take care,

Kezia Ross | Director of Sales, CTA
CONCORD HOSPITALITY
D 614.456.2002 | Kezia.Ross@ConcordHotels.com

**RESIDENCE INN BY MARRIOTT® COLUMBUS DOWNTOWN
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36 E. Gay St. | Columbus, OH 43215

From: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Sent: Friday, July 23, 2021 9:49 AM
To: Kezia Ross <Kezia.Ross@concordhotels.com>
Subject: RE: Residence Inn Downtown hotel and workspace

**** Warning - this message originated externally, please use caution with links and attachments. ****

likely but probably closer to the state office building where the work will be done
I'll be in touch if the location changes
Thanks

From: Kezia Ross <Kezia.Ross@concordhotels.com>
Sent: Friday, July 23, 2021 9:16 AM
To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Subject: RE: Residence Inn Downtown hotel and workspace

Hi Ray –

Thanks for the update!

Do you still need sleeping rooms? Happy to assist with rate there as well. Let me know.

Kindly,

Kezia Ross | Director of Sales, CTA
CONCORD HOSPITALITY
D 614.456.2002 | Kezia.Ross@ConcordHotels.com

**RESIDENCE INN BY MARRIOTT® COLUMBUS DOWNTOWN
& BUCKEYE BOURBON HOUSE**
36 E. Gay St. | Columbus, OH 43215

From: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Sent: Friday, July 23, 2021 9:15 AM
To: Kezia Ross <Kezia.Ross@concordhotels.com>
Subject: RE: Residence Inn Downtown hotel and workspace

**** Warning - this message originated externally, please use caution with links and attachments. ****

Kezia

Thanks for the time the other day to show us the facilities
looks like we are heading down a separate path with office space in a state building

not finalized yet but I'm pretty sure that's where we will end up
I'll be in touch if that changes

Thank you

From: Kezia Ross <Kezia.Ross@concordhotels.com>
Sent: Thursday, July 22, 2021 3:50 PM
To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Subject: Residence Inn Downtown hotel and workspace

Hi Ray –

I hope all is well.

Checking in to see if you have made your decision on where to do your three month project. I think you guys would be most comfortable here at our property and have the best service experience as well, so hopefully we can continue the conversation.

Looking forward to hearing back from you!

Kindly,

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D 614.456.2002 | Kezia.Ross@ConcordHotels.com

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Living Integrity
Supporting Community
Growing Profitability
Having Fun*



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DiRossi, Ray

From: DiRossi, Ray
Sent: Friday, July 23, 2021 3:10 PM
To: 'Mulch, Lindsay (F)'
Subject: RE: Courtyard Columbus Downtown
Attachments: 2021_Corporate_Ohio Senate Majority Caucus.pdf

Lindsay

please change Ohio Senate Majority Caucus to the info below as they will be the State of Ohio entity making the payment and then resend a copy to me

Thanks

Ray

Ohio Legislative Service Commission
Legislative Task Force on Redistricting, Reapportionment & Demographic Research
c/o Kristin Rhee, Fiscal Officer
77 S. High Street, 9th Floor
Columbus, Ohio 43215
614.466.3278
Kristin.Rhee@lsc.ohio.gov

From: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Sent: Friday, July 23, 2021 10:44 AM
To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Subject: Re: Courtyard Columbus Downtown

Attached is the updated document, please let me know if you need me to adjust anything.

Thanks,

Lindsay Mulch
Director of Sales
Courtyard by Marriott Columbus Downtown
35 W Spring St
Columbus, OH 43215
T: 614.228.3200 x 182
F: 614.228.6752
E: Lindsay.Mulch2@Marriott.com
<http://marriott.com/cmhcyc>

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From: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>

Sent: Thursday, July 22, 2021 1:41 PM

To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>

Subject: Re: Courtyard Columbus Downtown

Hi Ray!

Attached is the proposal/agreement, please let me know if you have any questions on any of the sections or would like anything added. Have a great rest of your week.

Thanks,

Lindsay Mulch
Director of Sales
Courtyard by Marriott Columbus Downtown
35 W Spring St
Columbus, OH 43215
T: 614.228.3200 x 182
F: 614.228.6752
E: Lindsay.Mulch2@Marriott.com
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From: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>

Sent: Thursday, July 22, 2021 9:44 AM

To: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>

Subject: RE: Courtyard Columbus Downtown

Thanks

Look forward to receiving it

Ray

From: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>

Sent: Thursday, July 22, 2021 9:29 AM

To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>

Subject: Re: Courtyard Columbus Downtown

Perfect! I will work on the proposal/agreement and send it over to you by the end of this week to look over.

Check-out is 12pm each day

if we check in at 1AM on Saturday AM and don't leave till Noon on Sunday
would that be one "stay" or 2?

That would only be 1 day charge.

Thanks,

Lindsay Mulch

Director of Sales

Courtyard by Marriott Columbus Downtown

35 W Spring St

Columbus, OH 43215

T: 614.228.3200 x 182

F: 614.228.6752

E: Lindsay.Mulch2@Marriott.com

<http://marriott.com/cmhcyc>

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From: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>

Sent: Wednesday, July 21, 2021 1:40 PM

To: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>

Subject: RE: Courtyard Columbus Downtown

Lindsay –

Thanks for the email

OK -- not finalized but I can take another step forward

Can you send me an invoice / proposal along the lines of what we discussed?

We will be using this space for sleeping only as we will be working in a traditional office building nearby

I would like to pre-pay for 40 nights at the state govt. per diem of \$122 * 1.1750 = \$143.35

Things to include in the invoice / proposal

Time frame: Starts Monday August 2nd and goes through Tuesday December 7th

If we don't utilize 40 stays – there is no refund

If we utilize 40 stays – a room is still guaranteed during that timeframe but for an additional charge of \$122 plus applicable taxes

If we are both staying overnight but want 2 separate rooms – that can be accommodated but it would be charged against the 40 stays as 2 separate stays

For my information – what time is check out each day?

want to make sure we are on the same page if checkout is 10AM

if we check in at 1AM on Saturday AM and don't leave till Noon on Sunday
would that be one "stay" or 2?

Ray DiRossi
Director of Finance and Budget
Ohio Senate Majority Caucus
Statehouse, Suite 205
Columbus, Ohio 43215



(O) 614.466.4947
(C) 614.578.3848
ray.dirossi@ohiosenate.gov

From: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Sent: Wednesday, July 21, 2021 11:25 AM
To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Subject: Courtyard Columbus Downtown

Good Morning Ray!

Thank you for stopping in yesterday, and it was great talking with you. For August-December of 2021 we can offer the **\$122** government per diem as the rate for the Local negotiated rate our tax rate is 17.50% and are not included in the \$122 rate. You would need to utilize 40-50 room nights during the August-December time frame, and we can certainly keep a check on file to route your room and tax charges to. Let me know if you would like to move forward and I can put together a Local Negotiated Rate Agreement for you (this will allow you to book when needed at the rate and will route charges for you). Please let me know if you have any further questions. Have a great rest of your week!

Thanks,

Lindsay Mulch
Director of Sales
Courtyard by Marriott Columbus Downtown
35 W Spring St
Columbus, OH 43215
T: 614.228.3200 x 182
F: 614.228.6752
E: Lindsay.Mulch2@Marriott.com
<http://marriott.com/cmhc>

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COURTYARD[®] Marriott[®]

Columbus Downtown
35 West Spring Street Columbus, OH 43215
P: 614-228-3200 F: 614-228-6752

PREPARED FOR

The following represents an agreement between Courtyard Columbus Downtown and **Ohio Senate Majority Caucus**.

ORGANIZATION: Ohio Senate Majority Caucus **CONTACT:**

Name: Ray DiRossi
Address: Statehouse, Suite 205
City, State, Zip: Columbus, OH 43215
Country: United States
Phone Number: 614.466.4947
E-mail Address: ray.dirossi@ohiosenate.gov
Website: <https://www.ohiosenate.gov>

CORPORATE GUEST ROOM RATES

Courtyard Columbus Downtown are pleased to extend the following Special Rates to **Ohio Senate Majority Caucus** travelers:

Season Start Date	Season End Date	Room Type	Rate
08/2/2021	12/7/2021	King	\$122.00
08/2/2021	12/7/2021	Double	Taxes not included

Guest room check-in time is 3:00pm and check-out time is 12:00pm. There will be a late charge for departures after 12:00pm.

These rates are **LAST ROOM AVAILABILITY** and are net non-commissionable. These rates do not include applicable state and local taxes.

COMMITMENT:

The Courtyard Columbus Downtown commits to honor these rates and **Ohio Senate Majority Caucus** agrees to communicate with its frequent travelers, naming Courtyard Columbus Downtown as one of its preferred hotels in Columbus, OH.

As part of our agreement with **Ohio Senate Majority Caucus**, we will provide the following:

- If Ohio Senate Majority Caucus does not utilize 40 stays during the time frame listed in this agreement there is no refund of the original pre-payment of \$5,734 check.
- If Ohio Senate Majority Caucus. Utilizes more than 40 room nights a room is still guaranteed during the timeframe listed above at a rate of \$122 plus applicable taxes.

- If Ohio Senate Majority Caucus has separate rooms staying overnight it would be charged against the 40 stays as 2 separate stays.

BILLING PROCEDURES:

Room and Tax will be routed to the master account- A check will be provided to pre-pay for 40 nights at the state govt. per diem ($\$122 * 1.1750 = \143.35) totaling \$5,734 with taxes included.

On-Site Parking:

Hotel rates do not include parking charges. Current charges (at time of signing) are **\$28.00 for overnight parking** through a third-party vendor and are subject to change. Arrangements for over-sized vehicles must be arranged in advance.

Individual Room Cancellation:

In the event individual room reservations are cancelled later than the standard Courtyard Cancellation Policy at the time of booking, the individual agrees to pay the Hotel a cancellation fee equal to the first night's room and tax.

Impossibility:

The performance of this Agreement is subject to any circumstance beyond the control of either party making it illegal or impossible to provide or use the Hotel facilities, including acts of God, war, disaster, strikes, civil disorder, or curtailment of transportation facilities. The Agreement may be terminated only for any one of the above reasons by written notice from either Hotel or Ohio Senate Majority Caucus to the other within ten (10) days of learning of the basis for termination. The following events and/or conditions (which are not intended to be an all-inclusive list) shall not be considered a basis for termination of this Agreement and shall not relieve either party of its obligations under this Agreement: (i) economic downturn or conditions; (ii) either party's financial inability to perform for any reason (including, for example, a lack of funding); or (iii) a change of ownership or management of either the Hotel or Ohio Senate Majority Caucus.

Compliance with Law:

This Agreement is subject to all applicable federal, state and local laws, including health and safety codes, alcoholic beverage control laws, disability laws and the like. Hotel and Ohio Senate Majority Caucus agree to cooperate with each other to ensure compliance with such laws.

Litigation Expenses:

The parties agree that, in the event litigation relating to this Agreement is filed by either party, the non-prevailing party in such litigation will pay the prevailing party's costs resulting from the litigation, including reasonable attorneys' fees and costs.

Governing Law:

This Agreement shall be governed by, and construed and interpreted in accordance with the laws of the state where the Hotel is located.

Changes, Additions and other Modifications:

Any changes, additions, addendums, stipulations or deletions, including but not limited to corrective marks and lining out (referred to as "Modifications"), by either party will not be considered agreed to by or binding on the other party and will not be incorporated in this Agreement unless such Modifications have been initialed or otherwise approved in writing by both parties.

Marriott Bonvoy:

Any Ohio Senate Majority Caucus traveler may become a member of our Marriott Bonvoy Rewards program at no cost and with no minimum stay. The Marriott Bonvoy Rewards Program is a frequent guest program designed to provide awards and benefits for individuals that stay at any Marriott Hotel.

Samples of benefits that the member receives are: airline miles, points to be used towards free nights at any Marriott Hotel, vacation packages, express check-in and check-out. Membership application forms may be obtained through Marriottrewards.com.

The following billing arrangements apply: Room and Tax to Master Account

To accept this agreement, please sign and return the enclosed copy. Upon receipt of the executed agreement, we will enter your special corporate rate into our system. Please keep a copy of this agreement for your records. In the event a fully signed original of this Agreement is not received by **July 31, 2021**; Courtyard Columbus Downtown reserves the right to renegotiate these terms.

ACCEPTED AND AGREED:

Ohio Senate Majority Caucus

Signature: _____

Printed Name: _____

Title: _____

Date: _____

COURTYARD COLUMBUS DOWNTOWN

Signature: _____

Printed Name: Liz Buxton

Title: General Manager

Date: _____

DiRossi, Ray

From: Ray DiRossi <raydirossi@gmail.com>
Sent: Friday, July 23, 2021 9:23 PM
To: Traci Grivno
Subject: Re: Furniture Rental Need for Ohio Senate

Traci

Thanks for the follow up
the wheels turning a little slower then i would like but we are looking at staying in a state office building
(unfurnished) and trying to see what if any general office furniture would be available to us

So still working through it and hope next week I will know a lot more details

Thanks

Ray

On Fri, Jul 23, 2021 at 4:00 PM Traci Grivno <Traci.Grivno@cort.com> wrote:

Hi Ray,

I just wanted to follow up regarding the furniture rental quote I provided earlier this week and to see if you've
made any decision regarding whether to go with furniture or unfurnished space.

Thanks!

Traci Grivno

Sr. Manager, Client Services

CORT, A Berkshire Hathaway Company

T 571.748.6394 | E traci.grivno@cort.com | cort.com

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From: Ray DiRossi <raydirossi@gmail.com>
Sent: Monday, July 19, 2021 9:03 AM

To: Traci Grivno <Traci.Grivno@cort.com>
Subject: Re: Furniture Rental Need for Ohio Senate

Attention! This email originated outside of CORT from a non-CORT employee

Thanks

looks straightforward

I hope to get answers quick

1 question - is the \$250 fee for "Delivery, Installation and Pickup Fee"

is it \$250 for all of those? or \$250 for each?

i assume \$250 for all 3 but just wanted to verify

Ray

On Mon, Jul 19, 2021 at 9:20 AM Traci Grivno <Traci.Grivno@cort.com> wrote:

Hi Ray,

Not a problem; I understood what you meant.

Please see the attached. I did make one adjustment on the sofa due to current inventory. Inventory is subject to availability.

If you would like pricing for desks (versus the folding tables) and conf table (versus the 2 dining tables), please let me know.

Thanks!

Traci Grivno

Sr. Manager, Client Services

CORT, A Berkshire Hathaway Company

T 571.748.6394 | E traci.grivno@cort.com | cort.com

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From: Ray DiRossi <raydirossi@gmail.com>
Sent: Monday, July 19, 2021 8:12 AM
To: Traci Grivno <Traci.Grivno@cort.com>
Subject: Re: Furniture Rental Need for Ohio Senate

Attention! This email originated outside of CORT from a non-CORT employee

Traci

Just saw this typo in my email

"I have a return at 1030AM Monday"

should have been

I have a meeting at 1030AM Monday"

Ray

On Fri, Jul 16, 2021 at 4:16 PM Ray DiRossi <raydirossi@gmail.com> wrote:

Thanks Traci

All makes sense

I have a return at 1030AM Monday

Would like to finalize

We are looking at 2 different options. One furnished and one not

So this info proposal is very helpful and right on time

Thanks

Ray

On Fri, Jul 16, 2021 at 3:24 PM Traci Grivno <Traci.Grivno@cort.com> wrote:

Hi Ray,

Thank you for the additional information below.

We can certainly set this up to bill to the Legislative Service Commission. As it is a state agency, it would still be eligible for the Sourcewell pricing.

Regarding the lease term, we could set this up as a 3 month rental. Once the initial term, it would automatically continue on a month to month basis. Lease would end upon pickup of furniture; you would just need to schedule when ready , with a minimum of 15 days' notice.

Let me take a look at available inventory in our Columbus facility. I'll put together a proposal based upon what they have that best meets the list below at the Sourcewell rates. I will have this to you no later than Monday at 10 AM.

Thank you,

Traci

Traci Grivno

Sr. Manager, Client Services

CORT, A Berkshire Hathaway Company

T 571.748.6394 | E traci.grivno@cort.com | cort.com

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From: Ray DiRossi <raydirossi@gmail.com>
Sent: Friday, July 16, 2021 2:03 PM
To: Traci Grivno <Traci.Grivno@cort.com>
Subject: Re: Furniture Rental Need for Ohio Senate

Attention! This email originated outside of CORT from a non-CORT employee

Thanks Traci

It is a state function

so we could bill to Ohio Senate if we have to but

if I can bill to the Legislative Service Commission (also a state agency)

thats where the money would come from ultimately

I need short term rental

Perfect world for me - see below

Delivery on or before August 1st 2021 and I need everything through November 8th for sure

but possible through December 6th - won't know until late October if I need the time in November

Im open to ideas but would be interested to know the cost of renting and having these items delivered and picked up and a total out the door price

my notations PM = per month

and PM X3 would mean I need 3 of the items

happy to see other suggestions but i have some state office space that is barren right now and just need to make it functional for short term use

see below

Ray

Kitchen

Refrigerator	Item: #P1604140	\$103.50 PM
Microwave	Item: #P1604214	\$16.50 PM

Office

1 sofa	Item: #P1006547	\$45.50 PM X2
Dorian End Table X4	Item: #P2014060	\$18 PM per
Office work chairs	Item: #P7034411	\$29 PM per X3
Folding table	Item: #P6604507	\$???? PM X3
Dorian Rectangular Table / Conference Table	Item: #P4025290	\$30.50 PM X2
Prince Side Chair / Seating chairs	Item: #P4035385	\$10 per X6
TV	Item: #P1504872	\$37.50 PM
TV stand	Item: #P2104659	\$22.00 PM
Floor Lamp	Item: #P1124497	\$11.00 PM X3

On Fri, Jul 16, 2021 at 2:50 PM Traci Grivno <Traci.Grivno@cort.com> wrote:

Hi Ray,

I understand you have an upcoming furniture rental need for the Ohio Senate. If you would provide some specifics of what you are looking to rent and for how long, I can assist with providing some product options and pricing.

CORT does hold a Sourcewell contract, and the State of Ohio is a Sourcewell member, so if this will bill to the Ohio Senate, we could utilize the discounted Sourcewell pricing.

I look forward to hearing from you!

Thank you,

Traci



Traci Grivno

Sr. Manager, Client Services

CORT, A Berkshire Hathaway Company

15000 Conference Center Drive | Suite 440 | Chantilly, VA 20151

T 571.748.6394 | **E** traci.grivno@cort.com | cort.com

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For the most current information about **COVID-19** and what CORT is doing go [here](#).

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DiRossi, Ray

From: DiRossi, Ray
Sent: Monday, July 26, 2021 9:16 AM
To: 'Mulch, Lindsay (F)'
Subject: RE: Courtyard Columbus Downtown

thanks!

From: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Sent: Monday, July 26, 2021 8:32 AM
To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Subject: Re: Courtyard Columbus Downtown

Absolutely! Attached is the updated agreement. Please let me know if you need anything further.

Thanks,

Lindsay Mulch
Director of Sales
Courtyard by Marriott Columbus Downtown
35 W Spring St
Columbus, OH 43215
T: 614.228.3200 x 182
F: 614.228.6752
E: Lindsay.Mulch2@Marriott.com
<http://marriott.com/cmhcyc>

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From: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Sent: Friday, July 23, 2021 3:58 PM
To: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Subject: RE: Courtyard Columbus Downtown

Thanks Lindsay
through the document where is says
"Ohio Senate Majority Caucus"

can you change that to

Ohio Legislative Service Commission

From: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Sent: Friday, July 23, 2021 3:22 PM
To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Subject: Re: Courtyard Columbus Downtown

Attached is the updated agreement, please let me know if you need anything further.

Thanks,

Lindsay Mulch
Director of Sales
Courtyard by Marriott Columbus Downtown
35 W Spring St
Columbus, OH 43215
T: 614.228.3200 x 182
F: 614.228.6752
E: Lindsay.Mulch2@Marriott.com
<http://marriott.com/cmhcyc>

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From: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Sent: Friday, July 23, 2021 3:10 PM
To: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Subject: RE: Courtyard Columbus Downtown

Lindsay
please change Ohio Senate Majority Caucus to the info below as they will be the State of Ohio entity making the payment
and then resend a copy to me
Thanks
Ray

Ohio Legislative Service Commission
Legislative Task Force on Redistricting, Reapportionment & Demographic Research
c/o Kristin Rhee, Fiscal Officer
77 S. High Street, 9th Floor
Columbus, Ohio 43215
614.466.3278
Kristin.Rhee@lsc.ohio.gov

From: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Sent: Friday, July 23, 2021 10:44 AM
To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Subject: Re: Courtyard Columbus Downtown

Attached is the updated document, please let me know if you need me to adjust anything.

Thanks,

Lindsay Mulch
Director of Sales
Courtyard by Marriott Columbus Downtown
35 W Spring St
Columbus, OH 43215
T: 614.228.3200 x 182
F: 614.228.6752
E: Lindsay.Mulch2@Marriott.com
<http://marriott.com/cmhcyc>

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From: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Sent: Thursday, July 22, 2021 1:41 PM
To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Subject: Re: Courtyard Columbus Downtown

Hi Ray!

Attached is the proposal/agreement, please let me know if you have any questions on any of the sections or would like anything added. Have a great rest of your week.

Thanks,

Lindsay Mulch
Director of Sales
Courtyard by Marriott Columbus Downtown
35 W Spring St
Columbus, OH 43215
T: 614.228.3200 x 182
F: 614.228.6752
E: Lindsay.Mulch2@Marriott.com
<http://marriott.com/cmhcyc>

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From: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Sent: Thursday, July 22, 2021 9:44 AM
To: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Subject: RE: Courtyard Columbus Downtown

Thanks
Look forward to receiving it
Ray

From: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Sent: Thursday, July 22, 2021 9:29 AM
To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Subject: Re: Courtyard Columbus Downtown

Perfect! I will work on the proposal/agreement and send it over to you by the end of this week to look over.

Check-out is 12pm each day

if we check in at 1AM on Saturday AM and don't leave till Noon on Sunday
would that be one "stay" or 2?
That would only be 1 day charge.

Thanks,

Lindsay Mulch
Director of Sales
Courtyard by Marriott Columbus Downtown
35 W Spring St
Columbus, OH 43215
T: 614.228.3200 x 182
F: 614.228.6752
E: Lindsay.Mulch2@Marriott.com
<http://marriott.com/cmhcyc>

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From: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Sent: Wednesday, July 21, 2021 1:40 PM
To: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Subject: RE: Courtyard Columbus Downtown

Lindsay –

Thanks for the email

OK -- not finalized but I can take another step forward

Can you send me an invoice / proposal along the lines of what we discussed?

We will be using this space for sleeping only as we will be working in a traditional office building nearby

I would like to pre-pay for 40 nights at the state govt. per diem of \$122 * 1.1750 = \$143.35

Things to include in the invoice / proposal

Time frame: Starts Monday August 2nd and goes through Tuesday December 7th

If we don't utilize 40 stays – there is no refund

If we utilize 40 stays – a room is still guaranteed during that timeframe but for an additional charge of \$122 plus applicable taxes

If we are both staying overnight but want 2 separate rooms – that can be accommodated but it would be charged against the 40 stays as 2 separate stays

For my information – what time is check out each day?

want to make sure we are on the same page if checkout is 10AM

if we check in at 1AM on Saturday AM and don't leave till Noon on Sunday

would that be one "stay" or 2?

Ray DiRossi

Director of Finance and Budget

Ohio Senate Majority Caucus

Statehouse, Suite 205

Columbus, Ohio 43215



(O) 614.466.4947

(C) 614.578.3848

ray.dirossi@ohiosenate.gov

From: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>

Sent: Wednesday, July 21, 2021 11:25 AM

To: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>

Subject: Courtyard Columbus Downtown

Good Morning Ray!

Thank you for stopping in yesterday, and it was great talking with you. For August-December of 2021 we can offer the **\$122** government per diem as the rate for the Local negotiated rate our tax rate is 17.50% and are not included in the \$122 rate. You would need to utilize 40-50 room nights during the August-December time frame, and we can certainly keep a check on file to route your room and tax charges to. Let me know if you would like to move forward and I can put together a Local Negotiated Rate Agreement for you (this will allow you to book when needed at the rate and will route charges for you). Please let me know if you have any further questions. Have a great rest of your week!

Thanks,

Lindsay Mulch
Director of Sales
Courtyard by Marriott Columbus Downtown
35 W Spring St
Columbus, OH 43215
T: 614.228.3200 x 182
F: 614.228.6752
E: Lindsay.Mulch2@Marriott.com
<http://marriott.com/cmhcny>

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DiRossi, Ray

From: Ray DiRossi <raydirossi@gmail.com>
Sent: Friday, July 30, 2021 9:55 AM
To: DiRossi, Ray
Subject: Fwd: Your Order From the Caliper Online Store

----- Forwarded message -----

From: <DoNotReply@caliper.com>
Date: Thu, Jul 29, 2021 at 1:15 PM
Subject: Your Order From the Caliper Online Store
To: <raydirossi@gmail.com>

Caliper

If you are unable to see the email below, please email sales@caliper.com.



Maptitude
Geographic Information System

Thanks for your order, Ray Dirossi!

The following products are ready to be downloaded:

Item	File Size (Gb)
Maptitude Redist 2021 Program	1.35 Gb
USA Country Package 2021	9.25 Gb
2020 Ohio Preliminary Redistricting Data	1.0 Mb

The serial number of your license is

1TR-719-FDM-100-PPS

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NOTE: This download will expire on 7/29/2022

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E-mail: sales@caliper.com

Phone: +1-617-527-4700

Fax: +1-617-527-5113

Web site: <http://www.MappingSoftware.com>

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DiRossi, Ray

From: Ray DiRossi <raydirossi@gmail.com>
Sent: Friday, July 30, 2021 9:55 AM
To: DiRossi, Ray
Subject: Fwd: Your Order From the Caliper Online Store

----- Forwarded message -----

From: <DoNotReply@caliper.com>
Date: Thu, Jul 29, 2021 at 1:14 PM
Subject: Your Order From the Caliper Online Store
To: <raydirossi@gmail.com>

Caliper

If you are unable to see the email below, please email sales@caliper.com.



Maptitude
Geographic Information System

Thanks for your order, Ray DiRossi!

The following products are ready to be downloaded:

Item	File Size (Gb)
Maptitude Redist 2021 Program	1.35 Gb
USA Country Package 2021	9.25 Gb
2020 Ohio Preliminary Redistricting Data	1.0 Mb

The serial number of your license is

1TR-458-KSE-948-PRK

Download Now (via EXE file)

NOTE: This download will expire on 7/29/2022

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E-mail: sales@caliper.com

Phone: +1-617-527-4700

Fax: +1-617-527-5113

Web site: <http://www.MappingSoftware.com>

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DiRossi, Ray

From: Wendy.Zhan@lsc.ohio.gov
Sent: Sunday, August 1, 2021 4:21 PM
To: DiRossi, Ray
Subject: RE: MOU

Ray, I think I just need a letter like the one you attached to the Marriott contract. Since I'm not the actual user, I need a letter from Sen. McColley that will authorize the contract/expenditure and direct me to sign the MOU. I'm sure Frank and Paul will take care of the actual MOU.

Wendy

From: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Sent: Friday, July 30, 2021 3:40 PM
To: Wendy Zhan <Wendy.Zhan@lsc.ohio.gov>
Subject: FW: MOU

Wendy

This is a 1st DRAFT of the facility MOU between BWC and DAS and LSC

I now Frank has some edits and The draft was sent to Paul also for review

Wanted you to see so you could look at it also and see what edits needed to be made before being entered into

Ray

DiRossi, Ray

From: Strigari, Frank
Sent: Friday, August 6, 2021 8:25 AM
To: Barron, John
Cc: DiRossi, Ray
Subject: Re: (Case CC321543) MORE: Ohio Senate Price and Requirements Inquiry

You probably already know and have discussed, but Clint was also supposed to be talking to Kurt McDowell to have LIS try to do this.

Sent from my iPhone

On Aug 6, 2021, at 8:22 AM, Barron, John <John.Barron@ohiosenate.gov> wrote:

From: "Rowe, Mike" <Mike.Rowe@ohiosenate.gov>
Date: Thursday, August 5, 2021 at 1:23 PM
To: "Barron, John" <John.Barron@ohiosenate.gov>, "Morefield, Clinton" <Clinton.Morefield@ohiosenate.gov>
Subject: FW: (Case CC321543) MORE: Ohio Senate Price and Requirements Inquiry

Hi John and Clint,

Here's info and a quote for public submission software. It's a simplified version of Maptitude and would use the same data. We've been told that Kentucky is using it. You can see how the software functions by going to this test site:

<https://inzolia.caliper.com/texas/Default.aspx>.

Mike Rowe

Chief of Staff
Ohio Senate Minority Caucus
614-466-4371

From: Tracy Horgan [mailto:sales@caliper.com]
Sent: Wednesday, August 04, 2021 4:42 PM
To: Routt, Randall
Subject: Re: (Case CC321543) MORE: Ohio Senate Price and Requirements Inquiry

Hi, Randall,

Thank you for your message. I was awaiting our pricing team's response on the pricing.

Maptitude for Online Redistricting (MORE) is our web-based (cloud) solution that offers a streamlined redistricting experience.

MORE has many capabilities including:

- Serving multiple users in a secure environment that provides access from any location using a desktop, laptop or tablet.
- Access to it is not operating system specific and works well with Microsoft Edge, Firefox, Google Chrome and Safari.
- You can have numerous implementations of the tool for different sets of users. For example, you may have an internal site for Legislators and another public-facing site for constituents.
- MORE is highly customizable and can be implemented as a full-featured public plan creation tool, as simple plan review and commenting tool, or anywhere in between.
- We can work with you to create tools that will automatically evaluate submitted plans to ensure they comply with minimum requirements for plan submission. You may even want the ability to run reports on submitted plans and conduct other plan analysis to evaluate fit and fitness.
- All customization is done to your specifications and billed at our standard hourly rates.
- MORE integrates with Maptitude for Redistricting for easy plan sharing, collaboration and analysis.

Our current pricing for a single instance of MORE Public is priced at \$80,000 for the first 12 months. Each instance can accommodate up to 50 concurrent users given suitable hardware. Pricing does not include hardware or hosting. If you would like to keep the site up for more than one year, there is a maintenance fee of 15% of the purchase price for each subsequent 12 month period. Our staff can provide their expertise in assisting with setup on your AWS instance at our standard hourly rates. I have attached a quote for your convenience.

Please let us know if we can be of further assistance.

Tracy Horgan

Director, Redistricting Services | Caliper Corporation

1172 Beacon St, Ste 300 • Newton MA 02461 USA

Direct: 617-431-4155 • Main: 617-527-4700

sales@caliper.com • www.redistricting.com

Maptitude for Redistricting is the ultimate tool for effective redistricting

-----Original Message-----

From: "Routt, Randall" <Randall.Routt@ohiosenate.gov>

Reply-To: "Routt, Randall" <Randall.Routt@ohiosenate.gov>

Date: Wed, 4 Aug 2021 15:49:04 +0000

To: "Tracy Horgan" <sales@caliper.com>

Subject: RE: (Case CC321543) MORE: Ohio Senate Price and Requirements Inquiry

>Tracy,

>

>

>
>Let me know when you can provide me with the cost of your public software package for Ohio.
>
>
>
>Thanks,
>
>
>
>Randall
>
>
>
>
>From: Tracy Horgan [<mailto:sales@caliper.com>]
>Sent: Tuesday, August 03, 2021 4:42 PM
>To: Routt, Randall
>Subject: Re: (Case CC321543) MORE: Ohio Senate Price and Requirements Inquiry
>
>
>
>Hi, Randall,
>
>Thank you for contacting us. I understand you would like pricing for Maptitude for Online Redistricting. Which version are you interested in, the internal (Legislators only) version, or external (Public)?
>
>Best regards,
>
>
>
>Tracy Horgan
>
>Director, Redistricting Services | Caliper Corporation
>
>|||||
>
>1172 Beacon St, Ste 300 • Newton MA 02461 USA
>
>Direct: 617-431-4155 • Main: 617-527-4700
>
>sales@caliper.com • www.redistricting.com
>
>Maptitude for Redistricting is the ultimate tool for effective redistricting

<19886-OS-MAA.pdf>

DiRossi, Ray

From: Courtyard By Marriott Reservations <reservations@res-marriott.com>
Sent: Saturday, August 14, 2021 1:26 PM
To: DiRossi, Ray
Subject: Reservation Confirmation #87170969 for Courtyard Columbus Downtown

[ENHANCE YOUR STAY](#) | [SUMMARY OF CHARGES](#) | [CONTACT US](#)

Our Top Priority — Our Guests: [COVID-19 update and cancellation policy](#).

COURTYARD
BY MARRIOTT

Courtyard Columbus Downtown

📍 35 West Spring Street Columbus Ohio 43215 📞 +1-614-228-3200
USA

Thank you for booking with us, Tom Farr.

You're ready to move forward.

Sun, Aug 15, 2021 – Mon, Aug 16, 2021
Confirmation Number: 87170969



Check In Now



Check-In: Sunday, August 15, 2021

03:00 PM

Check-Out: Monday, August 16, 2021

12:00 PM

Important Information About Your Stay

In response to current travel advisories, this hotel may have modified hours or limitations on certain services and amenities. [Learn More](#)



Less Contact, More Convenience with the Marriott Bonvoy™ App >

Number of rooms 1 Room

Guests per room 1 Adult

Guarantee Method 6:00pm hold

Total for Stay (all rooms) 143.35 USD

Room 1

Room Type >

Guest room, 1 King

Guaranteed Requests:

None

ALL REQUESTS >

Modify or Cancel Reservation

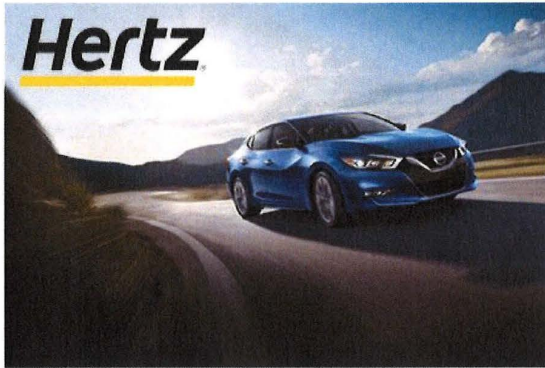
⚠ Hotel Alert

Customers should review government guidance to confirm eligibility to travel & stay at hotel. See travelguidance.marriott.com.

⚠ Hotel Alert

Due to COVID-19, some hotel facilities or services may not be available during your stay.

Enhance your stay



Save on base rates

Plus earn up to 2,000 points.

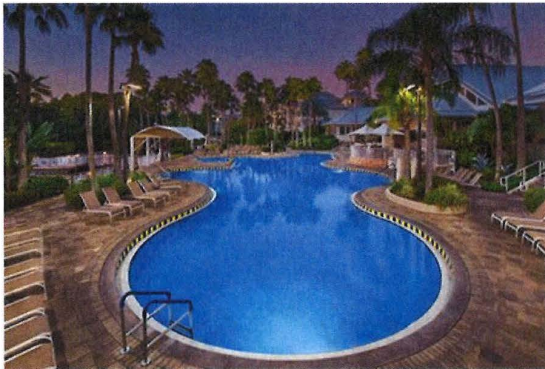
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View recommended activities and earn points

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4 days, 3 nights at Marriott's Cypress Harbour in Orlando, FL from \$199 per stay! Conditions and participation requirements apply.

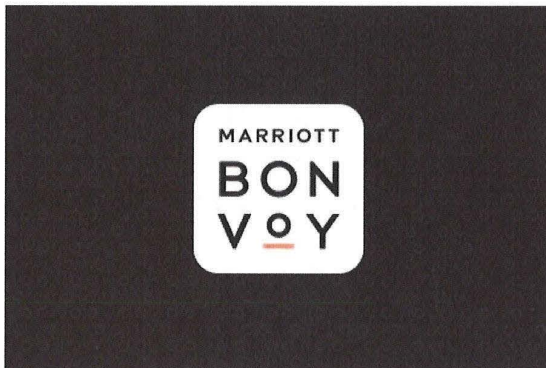
[Get Offer](#)



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Tom Farr

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Summary Of Charges

Sunday, August 15, 2021 – Monday, August 16, 2021

1 Night at 122.00 USD per night per room

OH LEG SERVICES COMM

Taxes & Fees (per night per room)

Estimated Government Taxes & Fees	21.35 USD
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Totals

Total for Stay (all rooms)	143.35 USD
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Other Charges

Valet parking, fee: 28 USD daily

Valet parking only. Early check-in parking prior to 1pm or late check-out parking is USD 15 additional.

Rate Details & Cancellation Policy

- A cancellation policy does apply. For more information, view the 'Cancellation Policy' link in your reservation on the Marriott website, contact the hotel or call Marriott Reservations.

Rate Guarantee Limitation(s)

- Changes in taxes or fees implemented after booking will affect the total room price.

Additional Information

- Upon check-in an authorization request will be placed on your credit or debit card (where accepted) in an amount equal to the cost of the room, tax and incidental charges for the length of your stay (up to seven nights). If your stay exceeds seven nights, an additional authorization may be requested for the entire amount of your stay (room, tax and incidentals). Upon check-out, your payment card will be charged for the actual amount incurred during your stay.

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MARRIOTT PROPRIETARY INFORMATION

DiRossi, Ray

From: Balmert, Jessie <jbalmert@gannett.com>
Sent: Monday, August 16, 2021 9:27 AM
To: DiRossi, Ray
Subject: Technical redistricting questions

Basically, here are the items I wanted to double check:

Here's my understanding of how the constitutional changes will work with our new numbers:

1. Columbus is the only municipality that exceeds a congressional district's population. (The constitution allows for including the population of cities wholly contained like Bexley for Columbus or Norwood in Cincinnati but I don't think that would bump Cleveland or Cincinnati up)
2. Cleveland and Cincinnati can't be split as the most populous cities in counties that exceed a congressional ratio. I believe Toledo, Akron and Dayton (though between 100K and the ratio) could still be divided because their counties aren't populous enough.
3. I'm not sure if this language means these counties can have multiple districts or districts can include multiple of these counties, but those over 400K include: Franklin County, Cuyahoga County, Hamilton County, Summit County, Montgomery County, Lucas County
(No two congressional districts shall share portions of the territory of more than one county, except for a county whose population exceeds four hundred thousand.)
4. Here's my estimate of Ohio House districts. Would Franklin County get 10 or 11 districts based on this language?
"Proceeding in succession from the largest to the smallest, each county containing population greater than one hundred five per cent of the ratio of representation in the house of representatives shall be divided into as many house of representatives districts as it has whole ratios of representation."

Franklin County, Ohio	10.6
Cuyahoga County, Ohio	10.1
Hamilton County, Ohio	6.6
Summit County, Ohio	4.3
Montgomery County, Ohio	4.3
Lucas County, Ohio	3.4
Butler County, Ohio	3.1
Stark County, Ohio	3.0
Lorain County, Ohio	2.5
Warren County, Ohio	1.9
Lake County, Ohio	1.9
Mahoning County, Ohio	1.8
Delaware County, Ohio	1.7
Clermont County, Ohio	1.7
Trumbull County, Ohio	1.6
Medina County, Ohio	1.5
Licking County, Ohio	1.4
Greene County, Ohio	1.3
Portage County, Ohio	1.3
Fairfield County, Ohio	1.3
Clark County, Ohio	1.1
Wood County, Ohio	1.1

5. Two counties, Richland and Wayne, appear to meet this threshold: Each county containing population of not less than ninety-five per cent of the ratio of representation in the house of representatives nor more than one hundred five per cent of the ratio shall be designated a representative district.
6. This is my estimate for Senate districts:

Franklin County, Ohio	3.7
Cuyahoga County, Ohio	3.5
Hamilton County, Ohio	2.3
Summit County, Ohio	1.5
Montgomery County, Ohio	1.5
Lucas County, Ohio	1.2
Butler County, Ohio	1.1
Stark County, Ohio	1.0

Thanks!
Jessie

Jessie Balmert
State government reporter
740-973-4536 | @jbalmer



Akron Beacon Journal | Cincinnati Enquirer | Columbus Dispatch

DiRossi, Ray

From: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Sent: Monday, August 16, 2021 10:04 AM
To: DiRossi, Ray
Subject: Re: Redistricting Task Force contract

Hi Ray!

unfortunately, I did not have the rate code approved yet from Marriott to have it ready in the system my apologies. But I did check and both rooms were routed to the check and good to go. The front desk had not been briefed on the specifics just yet so my apologies if there was any confusion during check in. Marriott is saying 5-7 business days for the rate load, but if you are able to utilize the government rate until then please do and we will route the charges as needed.

Thanks,

Lindsay Mulch
Director of Sales
Courtyard by Marriott Columbus Downtown
35 W Spring St
Columbus, OH 43215
T: 614.228.3200 x 182
F: 614.228.6752
E: Lindsay.Mulch2@Marriott.com
<http://marriott.com/cmhcyc>

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From: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Sent: Saturday, August 14, 2021 1:36 PM
To: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Subject: RE: Redistricting Task Force contract

Lindsay
FYI

I just made 2 reservation just now for 2 out of town guests that are coming int town and need 2 rooms Sunday night Good chance to make sure the system you set up works and everything gets billed against the prepaid account as we discussed

Reservation #87170969
Reservation #87174869

thanks
Ray

From: Mulch, Lindsay (F) [Lindsay.Mulch2@marriott.com]
Sent: Thursday, August 12, 2021 10:59 AM
To: DiRossi, Ray
Subject: Re: Redistricting Task Force contract

Hi Ray!

We're just waiting for confirmation from Marriott that the rate is loaded and ready to use. Hopefully I receive it by tomorrow and I will send all of the instructions on booking.

Thanks,

Lindsay Mulch
Director of Sales
Courtyard by Marriott Columbus Downtown
35 W Spring St
Columbus, OH 43215
T: 614.228.3200 x 182
F: 614.228.6752
E: Lindsay.Mulch2@Marriott.com
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From: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Sent: Tuesday, August 10, 2021 9:19 AM
To: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>; Kristin.Rhee@lsc.ohio.gov <Kristin.Rhee@lsc.ohio.gov>; Wendy.Zhan@lsc.ohio.gov <Wendy.Zhan@lsc.ohio.gov>
Subject: RE: Redistricting Task Force contract

thanks for confirmation

From: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Sent: Tuesday, August 10, 2021 9:14 AM
To: Kristin.Rhee@lsc.ohio.gov; DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>; Wendy.Zhan@lsc.ohio.gov
Subject: Re: Redistricting Task Force contract

Good Morning!

We received the check late yesterday, so we will process it now and get everything setup in the system. 😊

Thanks,

Lindsay Mulch
Director of Sales
Courtyard by Marriott Columbus Downtown
35 W Spring St
Columbus, OH 43215
T: 614.228.3200 x 182
F: 614.228.6752
E: Lindsay.Mulch2@Marriott.com
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From: Kristin.Rhee@lsc.ohio.gov <Kristin.Rhee@lsc.ohio.gov>
Sent: Wednesday, August 4, 2021 9:40 AM
To: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>; Ray.DiRossi@ohiosenate.gov <Ray.DiRossi@ohiosenate.gov>;
Wendy.Zhan@lsc.ohio.gov <Wendy.Zhan@lsc.ohio.gov>
Subject: RE: Redistricting Task Force contract

Okay, that's great, Lindsay. Thank you so much!

KRISTIN RHEE, Fiscal Officer
Legislative Service Commission
614/466-3278 (p)
614/995-4965 (f)
Kristin.Rhee@lsc.ohio.gov

From: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Sent: Wednesday, August 4, 2021 9:08 AM
To: Kristin Rhee <Kristin.Rhee@lsc.ohio.gov>; Ray DiRossi <Ray.DiRossi@ohiosenate.gov>; Wendy Zhan
<Wendy.Zhan@lsc.ohio.gov>
Subject: Re: Redistricting Task Force contract

That is perfectly fine. Thank you! I will confirm with you once I have received it.

Thanks,

Lindsay Mulch
Director of Sales
Courtyard by Marriott Columbus Downtown

35 W Spring St
Columbus, OH 43215
T: 614.228.3200 x 182
F: 614.228.6752
E: Lindsay.Mulch2@Marriott.com
<http://marriott.com/cmhcy>

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From: Kristin.Rhee@lsc.ohio.gov <Kristin.Rhee@lsc.ohio.gov>
Sent: Wednesday, August 4, 2021 9:01 AM
To: Ray.DiRossi@ohiosenate.gov <Ray.DiRossi@ohiosenate.gov>; Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>;
Wendy.Zhan@lsc.ohio.gov <Wendy.Zhan@lsc.ohio.gov>
Subject: RE: Redistricting Task Force contract

Well, darn, I never thought of that. Unfortunately, once it's entered a certain way into OAKS, I can't change how it's distributed. I'm sorry, because that is a very good idea.
I hope it's okay that it gets to you, Lindsay, at the end of this week or early next?
-Kristin

KRISTIN RHEE, Fiscal Officer
Legislative Service Commission
614/466-3278 (p)
614/995-4965 (f)
Kristin.Rhee@lsc.ohio.gov

From: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Sent: Tuesday, August 3, 2021 6:19 PM
To: Kristin Rhee <Kristin.Rhee@lsc.ohio.gov>; 'Mulch, Lindsay (F)' <Lindsay.Mulch2@marriott.com>; Wendy Zhan <Wendy.Zhan@lsc.ohio.gov>
Subject: RE: Redistricting Task Force contract

I don't want to disrupt anything
but if its easier
I can pick up the check and hand deliver it
Ray

From: Kristin.Rhee@lsc.ohio.gov <Kristin.Rhee@lsc.ohio.gov>
Sent: Tuesday, August 3, 2021 4:14 PM
To: 'Mulch, Lindsay (F)' <Lindsay.Mulch2@marriott.com>; Wendy.Zhan@lsc.ohio.gov
Cc: DiRossi, Ray <Ray.DiRossi@ohiosenate.gov>
Subject: RE: Redistricting Task Force contract

Hello - The state accounting system just refreshed and the check will be mailed out from the Treasurer's Office on 8/5/21. Please let me know if you don't receive it.
Thank you!
-Kristin

KRISTIN RHEE, Fiscal Officer

Legislative Service Commission
614/466-3278 (p)
614/995-4965 (f)
Kristin.Rhee@lsc.ohio.gov

From: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Sent: Tuesday, August 3, 2021 10:47 AM
To: Wendy Zhan <Wendy.Zhan@lsc.ohio.gov>
Cc: Ray DiRossi <Ray.DiRossi@ohiosenate.gov>; Kristin Rhee <Kristin.Rhee@lsc.ohio.gov>
Subject: Re: Redistricting Task Force contract

Thank you for the update!

Thanks,

Lindsay Mulch
Director of Sales
Courtyard by Marriott Columbus Downtown
35 W Spring St
Columbus, OH 43215
T: 614.228.3200 x 182
F: 614.228.6752
E: Lindsay.Mulch2@Marriott.com
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From: Wendy.Zhan@lsc.ohio.gov <Wendy.Zhan@lsc.ohio.gov>
Sent: Tuesday, August 3, 2021 10:44 AM
To: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Cc: Ray.DiRossi@ohiosenate.gov <Ray.DiRossi@ohiosenate.gov>; Kristin.Rhee@lsc.ohio.gov <Kristin.Rhee@lsc.ohio.gov>
Subject: RE: Redistricting Task Force contract

Good morning, Lindsay! We processed the invoice yesterday. The payment is moving through the system now.

Kristin, would you please let Lindsay know when the check was issued by the Treasurer's office?

Thanks,
Wendy

From: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Sent: Friday, July 30, 2021 10:57 AM
To: Wendy Zhan <Wendy.Zhan@lsc.ohio.gov>

Cc: Ray DiRossi <Ray.DiRossi@ohiosenate.gov>; Kristin Rhee <Kristin.Rhee@lsc.ohio.gov>
Subject: Re: Redistricting Task Force contract

Good Morning!

Attached is the invoice for the rooms you requested. Please let me know once payment has been sent out so I can be on the lookout for it. Have a great weekend!

Thanks,

Lindsay Mulch
Director of Sales
Courtyard by Marriott Columbus Downtown
35 W Spring St
Columbus, OH 43215
T: 614.228.3200 x 182
F: 614.228.6752
E: Lindsay.Mulch2@Marriott.com
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From: Wendy.Zhan@lsc.ohio.gov <Wendy.Zhan@lsc.ohio.gov>
Sent: Thursday, July 29, 2021 9:46 AM
To: Mulch, Lindsay (F) <Lindsay.Mulch2@marriott.com>
Cc: Ray.DiRossi@ohiosenate.gov <Ray.DiRossi@ohiosenate.gov>; Kristin.Rhee@lsc.ohio.gov <Kristin.Rhee@lsc.ohio.gov>
Subject: Redistricting Task Force contract

Lindsay, attached please find the signed the contract. Per our phone conversation, once we receive the invoice we'll process the payment. Thanks.

Wendy Zhan
Director
Ohio Legislative Service Commission
(614) 728-4814
Wendy.Zhan@lsc.ohio.gov

DiRossi, Ray

From: Courtyard by Marriott <noreply@marriott.com>
Sent: Monday, August 16, 2021 12:33 PM
To: DiRossi, Ray
Subject: Your Sunday, Aug 15, 2021 - Monday, Aug 16, 2021 Stay at CY COLUMBUS DOWNTOWN
Attachments: STRACH_57038.pdf



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Phil Strach
30 West Spring St
Columbus OH 43215
Olsc

Room: 113
Room Type: GENR
Number of Guests: 1
Rate: \$122.00
Clerk: EAB

Arrive: 15Aug21 Time: 07:54PM Depart: 16Aug21 Time: 12:33PM Folio Number: 57038

DATE	DESCRIPTION	CHARGES	CREDITS
------	-------------	---------	---------

BALANCE: 0.00

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Phil Strach
30 West Spring St
Columbus OH 43215
Olsc

Room: 113
Room Type: GENR
Number of Guests: 1
Rate: \$122.00
Clerk: EAB

Arrive: 15Aug21 Time: 07:54PM Depart: 16Aug21 Time: 12:33PM Folio Number: 57038

DATE	DESCRIPTION	CHARGES	CREDITS
16Aug21	Starbucks Revenue	2.00	
16Aug21	Sales Tax	0.15	
16Aug21	Visa		2.15

Card #: VXXXXXXXXXXXX8699/XXXX
Amount: 2.15 Auth: 074922
This card was electronically swiped on 15Aug21

BALANCE: 0.00

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HUFFMAN_002420

DiRossi, Ray

From: Courtyard by Marriott <noreply@marriott.com>
Sent: Tuesday, August 17, 2021 1:39 AM
To: DiRossi, Ray
Subject: Your Monday, Aug 16, 2021 - Tuesday, Aug 17, 2021 Stay at CY COLUMBUS DOWNTOWN
Attachments: DIROSSI_57186.pdf



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Courtyard by Marriott® Columbus Downtown
35 West Spring Street, Columbus, Oh 43215 P 614.228.3200
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R. Dirossi		Room: 315		
		Room Type: QNQN		
		Number of Guests: 1		
		Rate: \$122.00	Clerk:	
Arrive: 16Aug21	Time: 12:12AM	Depart: 17Aug21	Time: 12:00PM	Folio Number: 57186

DATE	DESCRIPTION	CHARGES	CREDITS
16Aug21	Room Charge Groups	122.00	
16Aug21	Sales Tax	9.15	
16Aug21	City Bed Tax	12.20	
17Aug21	Master Card		143.35
Card #: MCXXXXXXXXXXXX5239/XXXX			
Amount: 143.35 Auth: 06163P			
This card was electronically swiped on 17Aug21			

BALANCE:		0.00
----------	--	------

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DiRossi, Ray

From: Courtyard Columbus Downtown <marriott@express.medallia.com>
Sent: Wednesday, August 18, 2021 8:15 AM
To: DiRossi, Ray
Subject: Tell us about your stay at the Courtyard Columbus Downtown

English العربية 简体中文 Français Deutsch

Italiano 日本語 한국어 Português Русский Español

COURTYARD
BY MARRIOTT



Dear TOM FARR:

Thank you for your recent stay. Your feedback is especially important to us during these uncertain times. Please take a moment to tell us about your experience.

TELL US ABOUT YOUR STAY

Courtyard Columbus Downtown
August 15, 2021 - August 16, 2021

How likely are you to recommend the Courtyard Columbus Downtown to a friend or business associate?

**Not at all
Likely**

**Extremely
Likely**

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

We appreciate your opinion and look forward to welcoming you again soon.

Sincerely,

Liz Buxton
General Manager
Courtyard Columbus Downtown

By completing this survey, you may be contacted by the hotel to help improve the quality of service provided.

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This survey will expire on September 1, 2021. Once started, the survey link expires within 24 hours and any answers provided are automatically submitted.

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For questions about this survey or about Marriott products and services, [Contact Us](#).

If you have technical issues or need assistance with this survey, please email [Technical Support](#).

DiRossi, Ray

From: Courtyard by Marriott <noreply@marriott.com>
Sent: Thursday, August 19, 2021 12:26 AM
To: DiRossi, Ray
Subject: Your Wednesday, Aug 18, 2021 - Wednesday, Aug 18, 2021 Stay at CY COLUMBUS DOWNTOWN
Attachments: DIROSSI_57275.pdf



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Ray Dirossi		Room: 302		
30 West Spring St		Room Type: GENR		
Columbus OH 43215		Number of Guests: 1		
Olsc		Rate: \$122.00	Clerk: PRO	
Arrive: 18Aug21	Time: 12:12AM	Depart: 18Aug21	Time: 12:25AM	Folio Number: 57275

DATE	DESCRIPTION	CHARGES	CREDITS
		BALANCE:	0.00

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CERTIFICATE OF SERVICE

I, Freda J. Levenson, hereby certify that on October 22, 2021, I caused a true and correct copy of the following documents to be served by email upon the counsel listed below:

- 1. Affidavit of Freda J. Levenson**
- 2. Evidence of Relators, Documents Produced in Discovery, Volume 1 of 13**
- 3. Evidence of Relators, Documents Produced in Discovery, Volume 2 of 13**
- 4. Evidence of Relators, Documents Produced in Discovery, Volume 3 of 13**
- 5. Evidence of Relators, Documents Produced in Discovery, Volume 4 of 13**
- 6. Evidence of Relators, Documents Produced in Discovery, Volume 5 of 13**
- 7. Evidence of Relators, Documents Produced in Discovery, Volume 6 of 13**
- 8. Evidence of Relators, Documents Produced in Discovery, Volume 7 of 13**
- 9. Evidence of Relators, Documents Produced in Discovery, Volume 8 of 13**
- 10. Evidence of Relators, Documents Produced in Discovery, Volume 9 of 13**
- 11. Evidence of Relators, Documents Produced in Discovery, Volume 10 of 13**
- 12. Evidence of Relators, Documents Produced in Discovery, Volume 11 of 13**
- 13. Evidence of Relators, Documents Produced in Discovery, Volume 12 of 13**
- 14. Evidence of Relators, Documents Produced in Discovery, Volume 13 of 13**

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