

## Appendix C                      Population Data

### A. Population in Reference Year, 2018

The population of Darke County, as of July 1, 2018, was estimated to be 51,323. There are no additions needed to adjust the District population. Subtractions are required. Ohio's solid waste law states that when a municipal corporation is located in more than one solid waste district, the entire corporation is to be included in the jurisdiction of the solid waste district where the majority of the population resides. As a result of this requirement, the Darke County Solid Waste Management District population must be adjusted. The Village of Bradford is in both Darke and Miami Counties. The Miami county population of Bradford is greater than the population residing in Darke County. Therefore, all the Village of Bradford is included in the Miami County Solid Waste Management District. The Village of Burkettsville is in both Darke and Mercer Counties. The population in Mercer County is more than the population in Darke County so the entire population of Burkettsville is included with Mercer County. The adjusted population of the Darke County Solid Waste Management District for the reference year is 50,784. This is the Darke County SWMD population for 2018 which will be used throughout this Plan.

**Table C-1 Reference Year Population Adjustments and District Population**

|   |               |
|---|---------------|
| <b>Darke County Before Adjustment</b>     | 51,323        |
| <b>Additions</b>                          |               |
| None                                      |               |
| <b>Subtractions</b>                       |               |
| Bradford Village                          | 753           |
| Burkettsville Village                     | 101           |
| <b>Darke County SWMD After Adjustment</b> | <b>50,469</b> |

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Source(s) of Information: Ohio Department of Development, Ohio Research Office, 2019 Population Estimates: Cities, Villages and Townships by County which includes 2018 estimates. <https://www.development.ohio.gov/files/research/P5027.pdf>

Sample Calculations: Darke County population estimate 51,323 – populations of Bradford Village and Burkettsville Village living in Darke County (753+101) = 50,469

Assumptions: The population estimates base is 4/1/2010. The 2018 population was calculated using an average rate of change of -0.4% per year from 2010.

**B. Population Projections****Table C-2 Population Projections**

| Year | Total Darke County<br>SWM District<br>Population |
|------|--|
| 2018 | 50,469   |
| 2019 | 50,603   |
| 2020 | 50,422   |
| 2021 | 50,107   |
| 2022 | 49,793   |
| 2023 | 49,478   |
| 2024 | 49,163   |
| 2025 | 48,848   |
| 2026 | 48,575   |
| 2027 | 48,301   |
| 2028 | 48,028   |
| 2029 | 47,754   |
| 2030 | 47,481   |
| 2031 | 47,207   |
| 2032 | 46,934   |
| 2033 | 46,661   |
| 2034 | 46,387   |
| 2035 | 46,114   |
| 2036 | 45,996   |

Source(s) of Information: Ohio Development Services Agency Population Projection County Totals. Projections are made in 5-year intervals 2010 to 2040

<https://development.ohio.gov/files/research/P6090.pdf>

Calculation: The average annual change in population between the 5-year intervals shown in the projection was subtracted from the prior year. Example: 2020 pop. minus 2025 pop.  $(51,270 - 49,670) = 1,600$ . 1,600 divided by 5 years = 320 decrease per year or  $(51,270 - 320) = 50,950$  less the population estimate for Bradford and Burkettsville calculated by a similar calculation  $(50,950 - 843) = 50,107$  adjusted population for the District in 2021.

Assumptions: The Population of Bradford and Burkettsville will decrease at the same rate as the rest of the county.