

**Hamilton County, Ohio
The Metropolitan Sewer District of
Greater Cincinnati
Additional Requested Information**



December 2, 2015





Comparable Cities Customer Bases

Q: What are the sizes of the comparable cities' client bases?

A: Please see below for information regarding the size of the comparable cities' sewer systems. For additional information, please refer to Exhibit 4 – Wastewater System Characteristics in the AWWA 2014 Water and Wastewater Rate Survey. This survey is to be published on the Affordability Task Force page on the Hamilton County website, which can be found through the following link.

http://www.hamiltoncountyohio.gov/boards_commissions/docs/MSDRateAffordabilityTaskForce.asp

City	Service Area Population	Customer Base	Service Area (Square Miles)	System Size (Miles)
Akron	372,206	76,701	75	1,340
Cincinnati MSD	804,000	227,160	290	3,000
Cleveland	967,200	313,284	350	n/a
Columbus	1,105,677	271,341	676	4,447
Toledo	320,000	97,100	n/a	961

Source: Official Statements and Annual Information Statements



MSD Rates

Q: How are rates determined for MSD?

A: Please refer to the handout with language from 6117.02 of the Ohio Revised Code. This handout is to be published on the Affordability Task Force page on the Hamilton County website, which can be found through the following link.

http://www.hamiltoncountyohio.gov/boards_commissions/docs/MSDRateAffordabilityTaskForce.asp

Source: Ohio Revised Code/Prosecutor's Office



Usage by Sector

Q: What is the usage of each sector, and how many accounts are in each sector?

A: Please see below for this data.

Billable Volume by Sector					
Sector	2010	2011	2012	2013	2014
Residential	12,581,706	12,564,520	11,781,893	11,616,439	11,651,764
Commercial	6,992,006	7,280,295	7,093,747	6,816,976	6,844,746
Industrial	7,188,645	6,270,598	6,087,068	5,829,679	5,896,588
Multi-Family	7,465,067	7,174,241	6,811,795	6,620,392	6,736,354
Total	34,444,304	33,504,893	32,015,242	31,124,226	31,129,452

Number of Accounts by Sector					
Sector	2010	2011	2012	2013	2014
Residential	187,466	189,784	188,238	189,420	189,627
Commercial	16,123	16,397	15,034	15,060	15,060
Industrial	680	658	453	452	450
Multi-Family	23,713	22,708	21,783	21,400	21,409
Total	227,982	229,547	225,508	226,333	226,546

Source: Black and Veatch



Best in Class Counties Across Country

Q: What are the operating structures for the best in class counties across the country?

A: Please refer to Exhibit 4 – Wastewater System Characteristics in the AWWA 2014 Water and Wastewater Rate Survey. This survey is to be published on the Affordability Task Force page on the Hamilton County website, which can be found through the following link.

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Source: American Water Works Association



Consent Decree Per Capita Costs

Q: Please provide the per capita cost for consent decrees in other counties.

A: Please see below for per capita and per customer account consent decree cost estimates.

City	Service Area Population	Consent Decree Cost (est)	Per Capita Cost (est)
Akron	372,206	1,400,000,000	3,761
Cincinnati MSD	804,000	3,250,000,000	4,042
Cleveland	967,200	3,000,000,000	3,102
Columbus	1,105,677	2,500,000,000	2,261
Toledo	320,000	521,000,000	1,628

City	Customer Base	Consent Decree Cost (est)	Cost per Account (est)
Akron	76,701	1,400,000,000	18,253
Cincinnati MSD	227,160	3,250,000,000	14,307
Cleveland	313,284	3,000,000,000	9,576
Columbus	271,341	2,500,000,000	9,213
Toledo	97,100	521,000,000	5,366

Source: Public Financial Management



Billing Category Breakdown

Q: Please explain the billing categories and their breakdown (specifically as it relates to larger multifamily customers).

A: Please refer to the following slide, which was originally presented to the Task Force on October 21, 2015.

Source: MSD

Base Charge



Minimum Base Charges for Residential, Commercial and Industrial Customers

Meter Size (Inches)	Number of Family Units	Monthly Bills (\$)	Quarterly Bills (\$)
5/8	1	57.11	117.35
3/4	2-3	68.49	151.32
1	4-5	88.14	207.44
1 1/2	6-12	135.90	352.51
2	13-20	187.29	499.33
3	21-50	459.03	1,281.49
4	51-115	760.08	2,122.30
6	116-250	1,487.10	4,193.17
8	Over 250	2,210.47	6,256.78
10	"	2,970.50	8,360.75
12	"	3,458.83	9,653.24



Additional Questions

Information to answer the following questions is still in the process of being collected.

Q: How much of the costs are fixed and how much of the costs are variable?

Q: Please provide data for individuals struggling to pay bills.

Q: Are there any federal programs or infrastructures available to provide federal dollars for easing the burden of MSD's rates?

Q: Please provide bell curves for other classes (over/under 15 CCF per quarter).

Q: Do any sewer districts provide programs to reduce water loss from leaky pipes?