

Ohio Public Works Commission Capital Improvement Report Summary Form

Bexley
Subdivision

Franklin
County

August 21, 2011
Date

Infrastructure Component	Replacement Cost	Repair Cost	Total Units	Units/Physical Condition									
				Excellent	(%)	Good	(%)	Fair	(%)	Poor	(%)	Critical	(%)
*Water Distribution	\$33,250,000	\$30,090,000	Linear Feet (Thousands) 243	14	6%	0	0%	0	0%	229	94%	0	0%
*Wastewater Collection	\$63,500,000	\$13,250,000	Linear Feet (Thousands) 254	2	1%	3	1%	24	9%	225	89%	0	0%
*Stormwater Collection	\$33,300,000	\$14,230,000	Linear Feet (Thousands) 222	0	0%	2	1%	11	5%	209	94%	0	0%
Totals	\$130,050,000	\$57,570,000											

*Please note most utilities were installed prior to 1935, conditions are an estimate based on age.

Ohio Public Works Commission
Capital Improvement Report
Summary Form

Water and Sewer lines

Service Committee

City of Bexley

May 22, 2012

Ohio Public Works Commission Capital Improvement Report Summary Form

Bexley
Subdivision

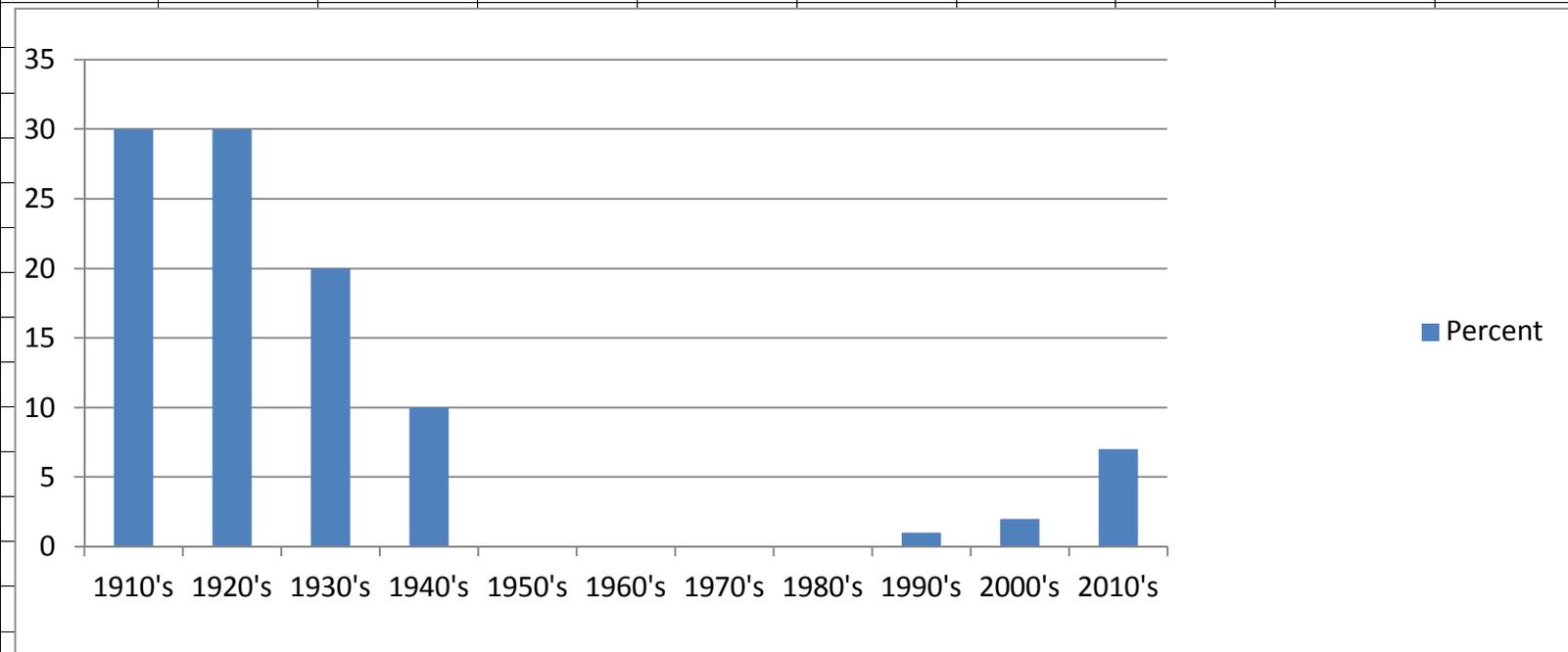
Franklin
County

August 21, 2011
Date

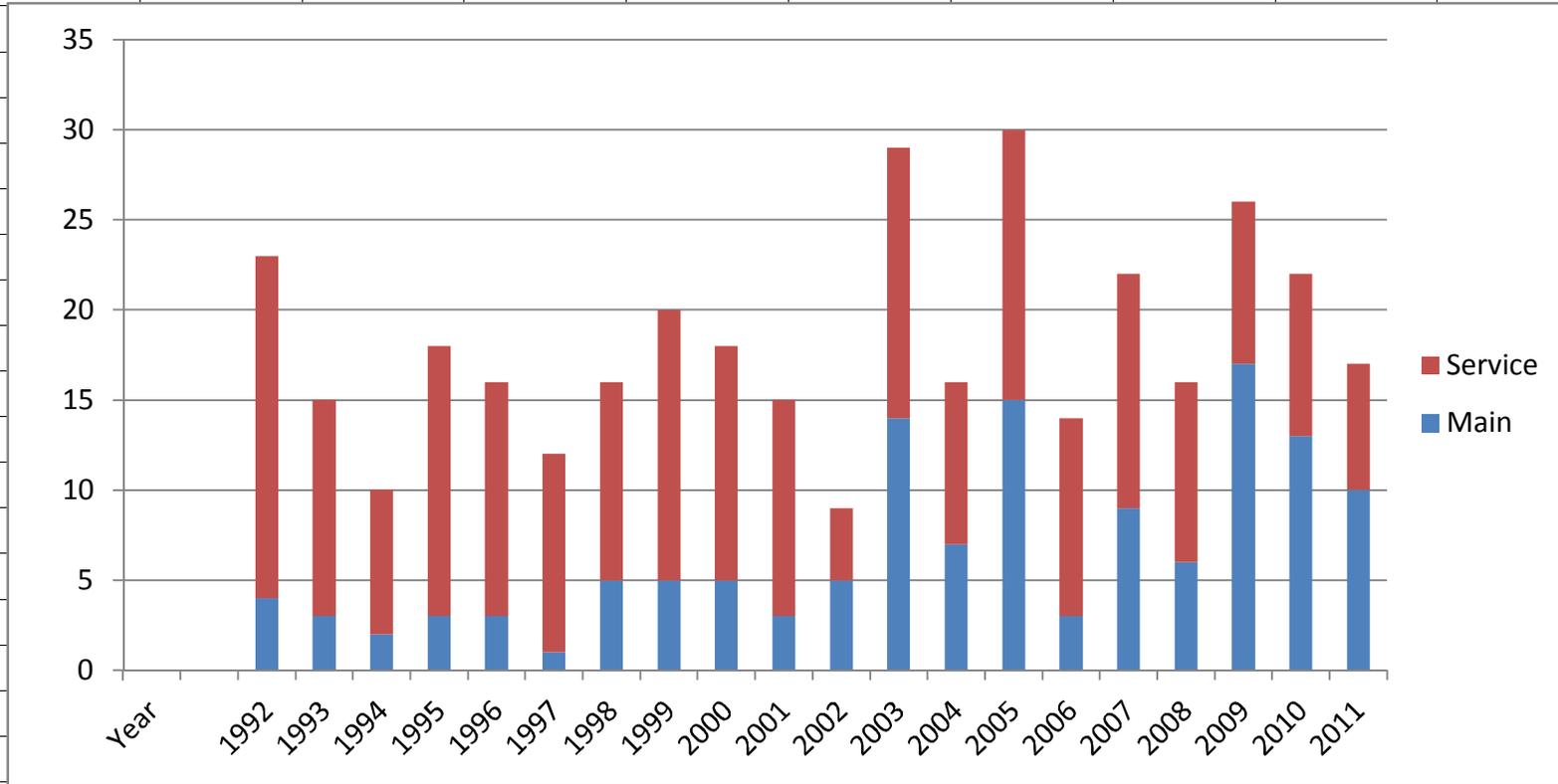
Infrastructure Component	Replacement Cost	Repair Cost	Total Units	Units/Physical Condition									
				Excellent	(%)	Good	(%)	Fair	(%)	Poor	(%)	Critical	(%)
Roads	\$46,500,000	\$9,540,000	Center Line Miles 46.5	5.5	12%	9.2	20%	23.2	50%	8.6	18%	0	0%
*Water Distribution	\$33,250,000	\$30,090,000	Linear Feet (Thousands) 243	14	6%	0	0%	0	0%	229	94%	0	0%
*Wastewater Collection	\$63,500,000	\$13,250,000	Linear Feet (Thousands) 254	2	1%	3	1%	24	9%	225	89%	0	0%
*Stormwater Collection	\$33,300,000	\$14,230,000	Linear Feet (Thousands) 222	0	0%	2	1%	11	5%	209	94%	0	0%
Totals	\$176,550,000	\$67,110,000											

*Please note most utilities were installed prior to 1935, conditions are an estimate based on age.

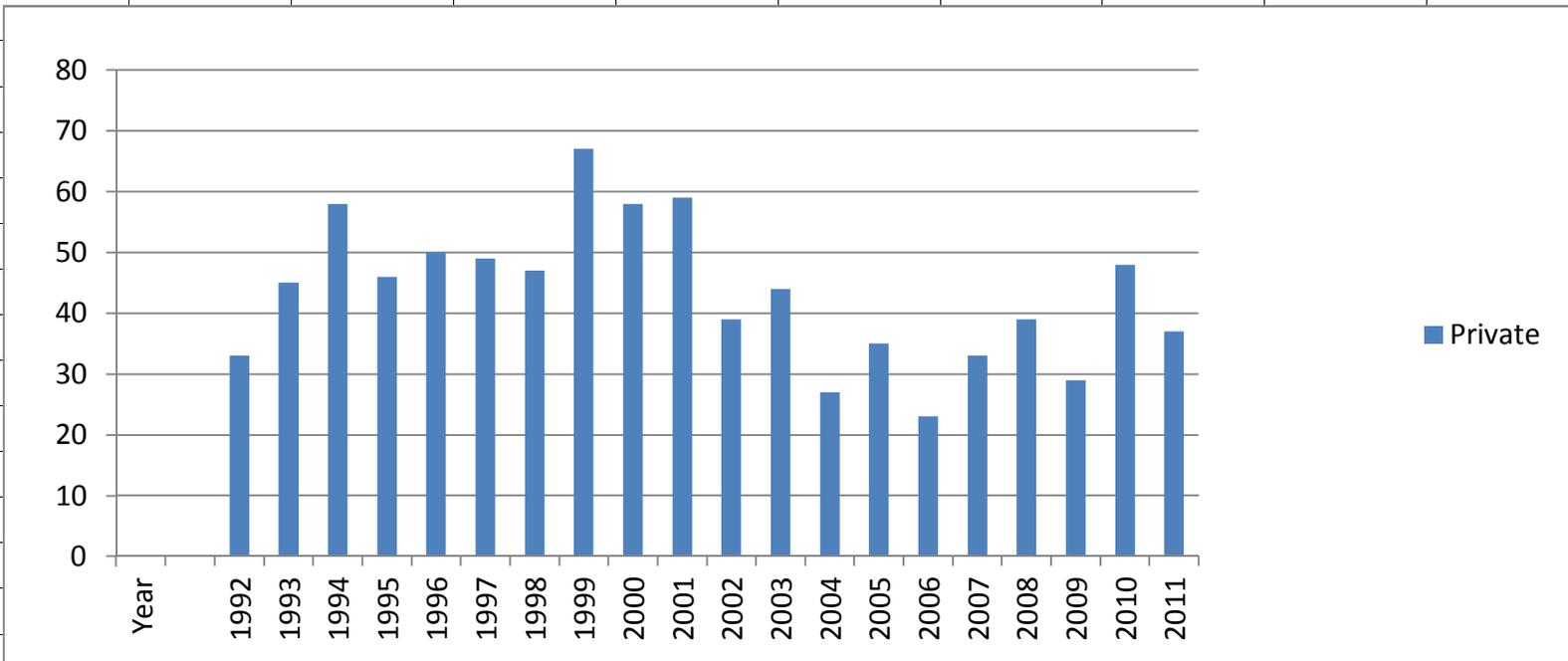
WATER MAIN INVENTORY PERCENT BY DECADE



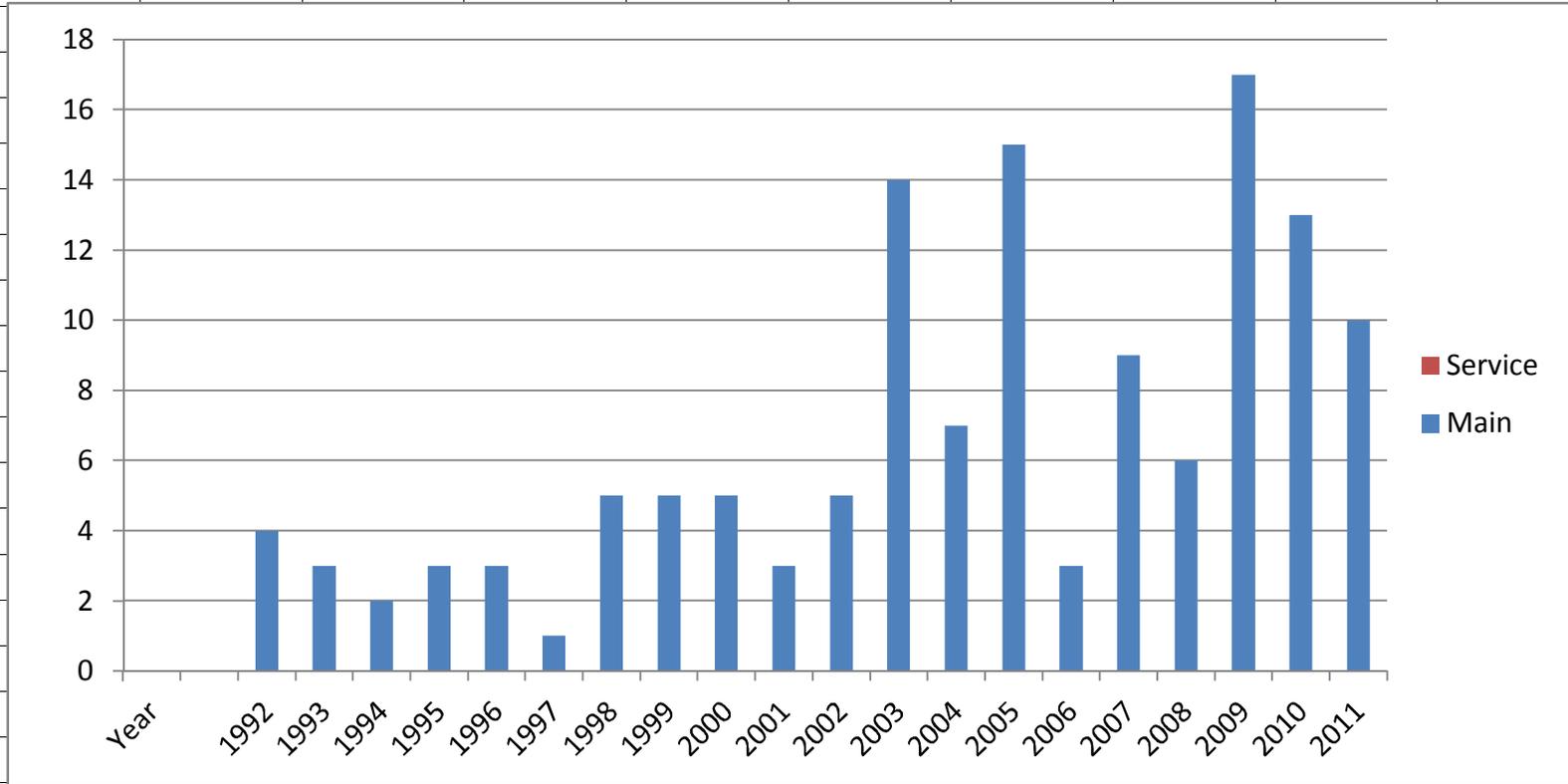
WATER MAIN REPAIR
& SERVICE REPAIR
(CITY)



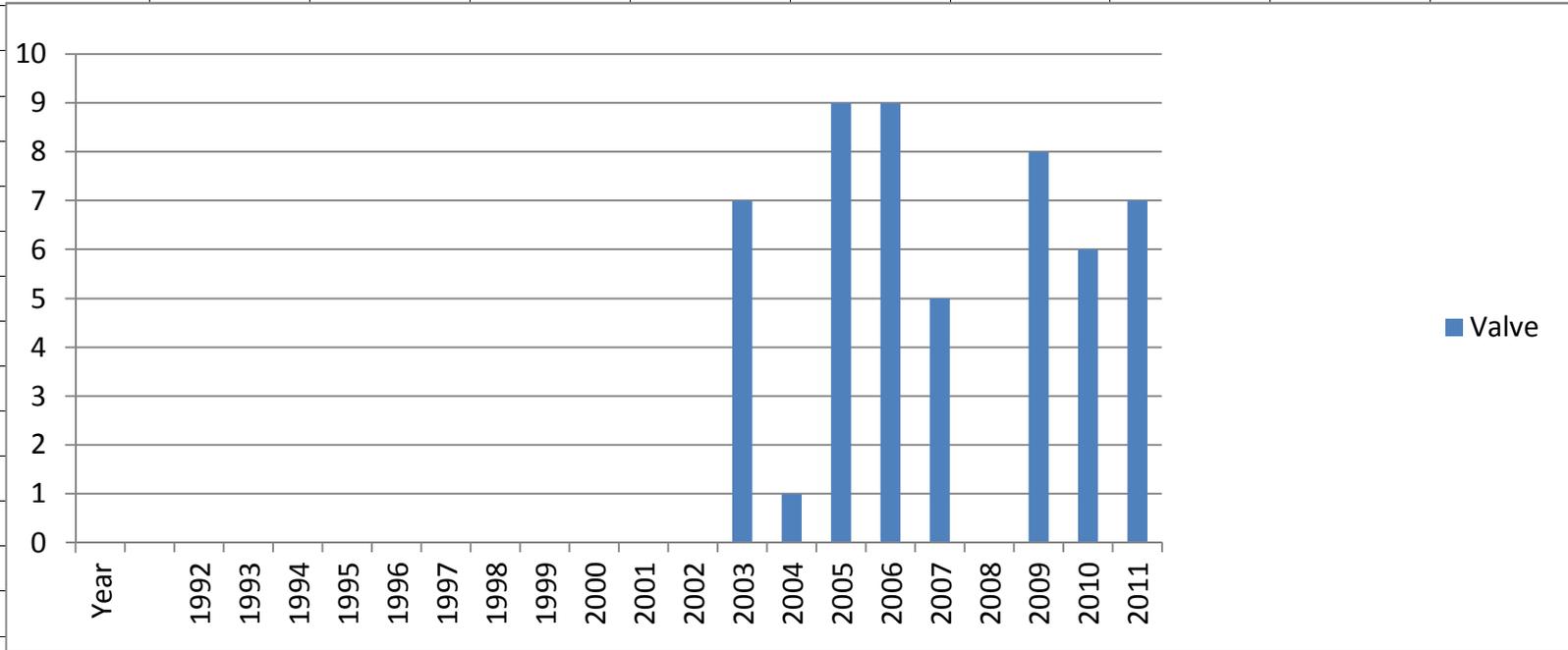
WATER SERVICE REPAIR
(NON CITY)



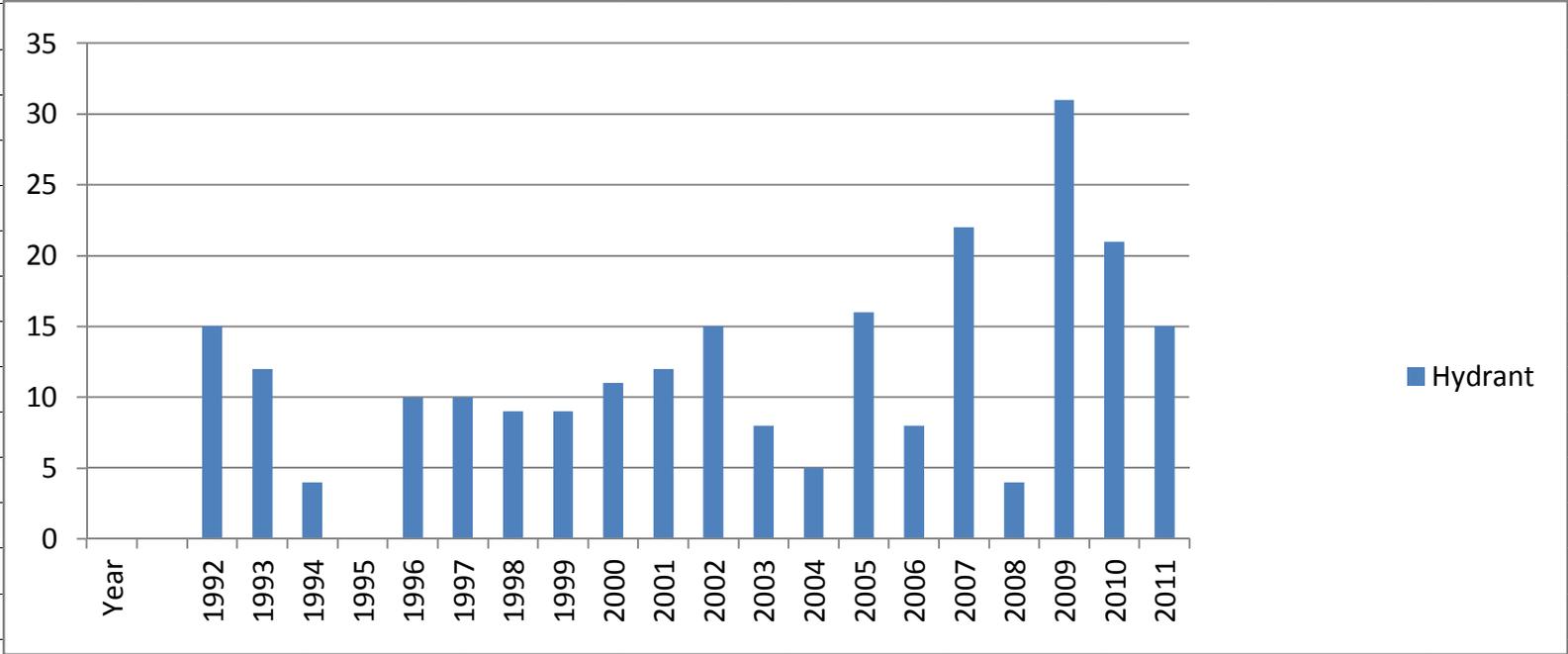
WATER MAIN REPAIR
& SERVICE REPAIR
(CITY)



VALVE REPLACEMENT



HYDRANT REPLACEMENT



Replacement or Repair

- Costs
- Life expectancy

Funding Options

- Loans/Bonds
- Increase Rates
- Stormwater Utility
- Other

Next Steps

- Continue collecting data
 - Video inspection
 - Flow testing
 - Record keeping
- Continue monitoring

Other Information

- Other community rates
- Photos



City of Bexley, Ohio

2242 EAST MAIN STREET, 43209
www.bexley.org

559-4270

WATER DEPARTMENT

WATER AND SEWER BILLS BASED ON 1,000 CUBIC FEET

CITY OF BEXLEY

Water	\$50.42
Sewer	63.56
Total	\$113.98

Cubic Feet per 1,000

Water Rates	\$50.42
Sewer Rates	63.56
Refuse	77.50
Senior	73.00

CITY OF GAHANNA

Water	\$48.02	
Sewer	37.62	
Water	4.41	Capital Improvements
Sewer	2.62	Capital Improvements
Storm Water	12.00	
Total	\$104.67	

1,000 Gallons (134 cubic feet)
7,480 Gallons = 1,000 cubic feet
Water Rates \$6.42 per 1,000 gallon
Sewer Rates \$5.03 per 1,000 gallon

CITY OF WESTERVILLE

Water	\$23.70
Sewer	58.18
Total	\$81.88

Cubic Feet Water 1st 1500 ccf \$2.37
Next 8500 ccf 1.73
Cubic Feet Sewer 1st 2 ccf 8.49
Over 2ccf 5.15
Refuse 53.25
Senior 49.50
Charge \$2.00 to bill deduct meters

CITY OF REYNOLDSBURG

Water	\$45.78
Sewer	48.70
Storm Water	6.00
Total	\$100.48

1,000 Gallons (134 cubic feet)
7,480 Gallons = 1,000 cubic feet
Water Rates per 1,000 \$ 6.12
Sewer Rates per 1,000 6.51
Refuse 50.07
Senior 45.57



City of Bexley, Ohio

2242 EAST MAIN STREET, 43209
www.bexley.org

559-4270

WATER DEPARTMENT

City of Columbus water rates for 1,000 cubic feet	\$24.96
City of Columbus sewer rates for 1,000 cubic feet	36.80
Suburban rates for water for 1,000 cubic feet	\$32.45
Suburban rates for sewer for 1,000 cubic feet	40.50

City of Columbus bills a water service charge for every account based on the meter size and municipality.

Example: 5/8 meter in Columbus \$20.97
5/8 meter in Grove City 27.27

City of Columbus bills a sewer service charge for every account approximately \$10.74

City of Columbus bills a Stormwater charge for Columbus residents.

City of Columbus bills an ERU charge to all residents outside of Columbus and some municipalities a Stormwater charge also.

2012 WATER / SEWER BILL CALCULATION WORKSHEET

Complete the following information to calculate charges:

Choose the municipality where the home is located: **Columbus**

Enter the number of days in the billing cycle: **90** Days

Enter the number of CCF (hundred Cubic Feet) used: **10** CCF

748 gallons equals 1 CCF: (example: 50,000 gallons divided by 748 equals 67 CCF)

WATER BILL CHARGES

SERVICE CHARGE:

Daily charge based on meter size installed at the home. Most single family dwellings use a 5/8" meter and charges are calculated based on this size.

Service Charge to be Billed: \$20.97

USAGE CHARGE:

Two rate steps are billed. The first 5 CCF in 30 days billed at lower rate. Remaining usage will be billed at second rate.

Billed Charge at first rate: \$24.96

Billed Charge at second rate: \$0.00

Water Consumption to be Billed: \$24.96

TOTAL WATER CHARGES

\$45.93

SEWER BILL CHARGES

STORMWATER CHARGE:

Daily fee based on non-penetrable area (pavement and rooftops) which runoff into storm drains. A single family dwelling is billed 1 ERU (Equivalent Residential Unit). Columbus homes only.

Stormwater Charge to be Billed:

\$13.25

SERVICE CHARGE:

Revenues provide operating costs for two 24-hour wastewater treatment plants, sewer maintenance, and a capital improvement program. Daily Charge

Service Charge to be Billed: \$10.74

USAGE CHARGE:

Charges for sanitary sewer usage are based on water consumption.

Sewer Consumption to be Billed: \$36.80

TOTAL SEWER CHARGES

\$47.54

CLEAN RIVER SURCHARGE (SANITARY SEWER)

EFFECTIVE January 2006

Will reduce pollution from sewer overflows in waterways, reduce sewer backups into homes and bring the department into compliance with two consent orders with the State of Ohio. Daily charge billed by ERU (Equivalent Residential Unit) described in the Stormwater section.

\$9.12

TOTAL BILL:

\$115.84

DISCLAIMER:

The above calculations are estimates only. Actual bill charges may vary based on differences in days of service and usage.

2012 WATER / SEWER BILL CALCULATION WORKSHEET

Complete the following information to calculate charges:

Choose the municipality where the home is located: Grove City

Enter the number of days in the billing cycle: 90 Days

Enter the number of CCF (hundred Cubic Feet) used: 10 CCF

748 gallons equals 1 CCF: (example: 50,000 gallons divided by 748 equals 67 CCF)

WATER BILL CHARGES

SERVICE CHARGE:

Daily charge based on meter size installed at the home. Most single family dwellings use a 5/8" meter and charges are calculated based on this size.

Service Charge to be Billed: \$27.27

USAGE CHARGE:

Two rate steps are billed. The first 5 CCF in 30 days billed at lower rate. Remaining usage will be billed at second rate.

Billed Charge at first rate: \$32.45

Billed Charge at second rate: \$0.00

Water Consumption to be Billed: \$32.45

TOTAL WATER CHARGES

\$59.72

SEWER BILL CHARGES

STORMWATER CHARGE:

Daily fee based on non-penetrable area (pavement and rooftops) which runoff into storm drains. A single family dwelling is billed 1 ERU (Equivalent Residential Unit). Columbus homes only.

Stormwater Charge to be Billed: \$0.00

SERVICE CHARGE:

Revenues provide operating costs for two 24-hour wastewater treatment plants, sewer maintenance, and a capital improvement program. Daily Charge

Service Charge to be Billed: \$10.74

USAGE CHARGE:

Charges for sanitary sewer usage are based on water consumption.

Sewer Consumption to be Billed: \$40.20

TOTAL SEWER CHARGES

\$50.94

CLEAN RIVER SURCHARGE (SANITARY SEWER)

EFFECTIVE January 2006

Will reduce pollution from sewer overflows in waterways, reduce sewer backups into homes and bring the department into compliance with two consent orders with the State of Ohio. Daily charge billed by ERU (Equivalent Residential Unit) described in the Stormwater section.

\$5.40

TOTAL COLUMBUS WATER / SEWER CHARGES:

\$116.06

SURCHARGE

Your bill will include the following additional water and sewer surcharges determined by your municipality. These monies are returned to the Suburb for maintenance in your area. Contact your local municipal office for questions about these charges.

WATER SURCHARGE \$3.15

SEWER SURCHARGE \$6.00

ADDITIONAL SURCHARGES BILLED

\$9.15

DISCLAIMER:

The above calculations are estimates only. Actual bill charges may vary based on differences in days of service and usage.

2012 WATER / SEWER BILL CALCULATION WORKSHEET

Complete the following information to calculate charges:

Choose the municipality where the home is located: **New Albany**

Enter the number of days in the billing cycle: **90** Days

Enter the number of CCF (hundred Cubic Feet) used: **10** CCF

748 gallons equals 1 CCF: (example: 50,000 gallons divided by 748 equals 67 CCF)

WATER BILL CHARGES

SERVICE CHARGE:

Daily charge based on meter size installed at the home. Most single family dwellings use a 5/8" meter and charges are calculated based on this size.

Service Charge to be Billed: \$27.27

USAGE CHARGE:

Two rate steps are billed. The first 5 CCF in 30 days billed at lower rate. Remaining usage will be billed at second rate.

Billed Charge at first rate: \$32.45

Billed Charge at second rate: \$0.00

Water Consumption to be Billed: \$32.45

TOTAL WATER CHARGES

\$59.72

SEWER BILL CHARGES

STORMWATER CHARGE:

Daily fee based on non-penetrable area (pavement and rooftops) which runoff into storm drains. A single family dwelling is billed 1 ERU (Equivalent Residential Unit). Columbus homes only.

Stormwater Charge to be Billed: \$0.00

SERVICE CHARGE:

Revenues provide operating costs for two 24-hour wastewater treatment plants, sewer maintenance, and a capital improvement program. Daily Charge

Service Charge to be Billed: \$10.74

USAGE CHARGE:

Charges for sanitary sewer usage are based on water consumption.

Sewer Consumption to be Billed: \$40.20

TOTAL SEWER CHARGES

\$50.94

CLEAN RIVER SURCHARGE (SANITARY SEWER)

EFFECTIVE January 2006

Will reduce pollution from sewer overflows in waterways, reduce sewer backups into homes and bring the department into compliance with two consent orders with the State of Ohio. Daily charge billed by ERU (Equivalent Residential Unit) described in the Stormwater section.

\$5.40

TOTAL BILL:

\$116.06

DISCLAIMER:

The above calculations are estimates only. Actual bill charges may vary based on differences in days of service and usage.

City of Bexley, Ohio
 Water Main Replacement Cost
 & Depreciation Analysis

Project Name	Size	Length	Cost	Unit Cost (per LF)
Sheridan Ave.	8"	4,766	\$715,915	\$150
Francis Ave.	8"	2,996	\$473,540	\$158
Pleasant Ridge Ave.	8"	1,206	\$179,108	\$149
N. Merkle Road	8"	1,907	\$258,318	\$135
Delmar Drive	10"	843	\$134,728	\$160
Delmar/Stanwood	10"	2,262	\$367,519	\$162
S. Merkle Road	8"	1,800	\$227,000	\$126
Totals	8"	12,675	\$1,853,881	\$146
	10"	3,105	\$502,247	\$162



Inventory Summary	Length	Unit Cost Replacement	Total Cost Replacement
4", 6" & 8" Mains	206,653	\$146	\$30,171,338
10", 12" & 16" Mains	17,608	\$175	\$3,081,400
Total			\$33,252,738



1% of Total (100 year straight line depreciation)	\$332,527
Annual Cost per service (per 5000 services)	\$67
1.5% of Total (67 year straight line depreciation)	\$498,791
Annual Cost per service (per 5000 services)	\$100
2% of Total (50 year straight line depreciation)	\$665,055
Annual Cost per service (per 5000 services)	\$133
2.5% of Total (40 year straight line depreciation)	\$831,318
Annual Cost per service (per 5000 services)	\$166

City of Bexley, Ohio
 Storm Sewer Repair Cost
 & Maintenance Analysis

Project Name	Size	Length	Cost	Unit Cost (per LF)
N. Merkle Road Improvements	15"	355	\$37,275	\$105
	MH	3	\$3,375	\$1,125
	CI	4	\$5,000	\$1,250

Inventory Summary	Length	Unit Cost Lining	Total Cost Lining
Total System (avg. 12" to 18" sewer)	222000	\$60	\$13,320,000
Manholes	600	\$1,125	\$675,000
Open Cut Pipe Repair	2200	\$105	\$231,000
Total			\$14,226,000

1% of Total (100 year straight line depreciation)	\$142,260
Annual Cost per service (per 5000 services)	\$28
1.5% of Total (67 year straight line depreciation)	\$213,390
Annual Cost per service (per 5000 services)	\$43
2% of Total (50 year straight line depreciation)	\$284,520
Annual Cost per service (per 5000 services)	\$57
2.5% of Total (40 year straight line depreciation)	\$355,650
Annual Cost per service (per 5000 services)	\$71

City of Bexley, Ohio
 Sanitary Sewer Repair Cost
 & Maintenance Analysis

Project Name	Size	Length	Cost	Unit Cost (per LF)
2009 Sanitary Sewer Improvements				
	8"	2443	\$68,404	\$28
	10"	329	\$13,818	\$42
	MH	131	\$22,270	\$170 (per VF)
	OC	150	\$25,000	\$167

Inventory Summary	Length	Unit Cost Lining	Total Cost Lining
Total System (avg. 8" & 10" sewer)	254000	\$42	\$10,668,000
Manholes	850	\$2,550	\$2,167,500
Open Cut Pipe Repair	2500	\$167	\$416,667
Total			\$13,252,167

1% of Total (100 year straight line depreciation)	\$132,522
Annual Cost per service (per 5000 services)	\$27
1.5% of Total (67 year straight line depreciation)	\$198,783
Annual Cost per service (per 5000 services)	\$40
2% of Total (50 year straight line depreciation)	\$265,043
Annual Cost per service (per 5000 services)	\$53
2.5% of Total (40 year straight line depreciation)	\$331,304
Annual Cost per service (per 5000 services)	\$66



CITY OF GAHANNA

OFFICE HOURS

MONDAY - FRIDAY, 8:00 AM - 5:00 PM
PHONE (614) 342-4440
www.gahanna.gov

ACCOUNT NUMBER	62...
DUE DATE	05/15/2012
AMOUNT DUE	\$218.76
AMOUNT AFTER DUE DATE	\$240.64



GAHANNA OH 43230-3817



SERVICE ADDRESS: 662 DARK STAR AV

TYPE OF SERVICE	SERVICE PERIOD		METER READING		THOUSAND GAL UNITS	AMOUNT
	FROM	TO	PREVIOUS	CURRENT		
WATER	12/31/11	03/31/12	2145	2157	12	76.96
CAPITAL IMPROVEMENT WATER						7.08
SEWER						60.36
CAPITAL IMPROVEMENT SEWER						4.20
COLUMBUS CONSENT ORDER						7.62
STORM WATER						12.00
STORM WATER CREDIT						-1.18
REFUSE	04/01/12	06/30/12				51.72

PLEASE ALLOW 5 BUSINESS DAYS FOR PAYMENT TO BE RECEIVED

MEMORIAL DAY - YARD WASTE TUESDAY, TRASH & RECYCLING WEDNESDAY

PLEASE REPORT ANY SEWER ODOR, BASEMENT SEWER BACKUP OR SUSPECTED SEWER OVERFLOW INTO A WATERWAY BY CALLING 342-4440.

SERVICE ADDRESS:

GAHANNA OH 43230

ACCOUNT NUMBER	1
DUE DATE	05/15/2012
AMOUNT DUE	\$218.76
AMOUNT AFTER DUE DATE	\$240.64

Make checks payable to:

City of Gahanna
Water, Sewer and Refuse
P.O. Box 640411
Cincinnati, OH 45264-0411



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