

**CITY OF BEECH GROVE, MARION COUNTY, INDIANA**

WASTEWATER UTILITY RATE STUDY

Revised February 8, 2017 {DRAFT}

Beech Grove City Council

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
TABLE OF CONTENTS  
WASTEWATER UTILITY RATE STUDY  
Revised February 8, 2017 {DRAFT}

	<u>Page</u>
BASE REVENUE 2016	3
OPERATING & MAINTENANCE EXPENSES 2026	4
REVENUE REQUIREMENTS 2026	5
SUMMARY OF REVENUE & EXPENSES 2026	6
PROPOSED RATES	7
COMPARISONS	8
APPENDIX A - AMORTIZATION SCHEDULES	
APPENDIX B - ADJUSTMENTS	
APPENDIX C- PILOT CALCULATION	
APPENDIX D - RESERVE CALCULATION	
APPENDIX E - ROI CALCULATION	
APPENDIX F - DEPRECIATION CALCULATION	
APPENDIX G - REVENUE CALCULATION RATE 2026	
APPENDIX G - REVENUE CALCULATION RATE 2025	
APPENDIX G - REVENUE CALCULATION RATE 2024	
APPENDIX G - REVENUE CALCULATION RATE 2023	
APPENDIX G - REVENUE CALCULATION RATE 2022	
APPENDIX G - REVENUE CALCULATION RATE 2021	
APPENDIX G - REVENUE CALCULATION RATE 2020	
APPENDIX G - REVENUE CALCULATION RATE 2019	
APPENDIX G - REVENUE CALCULATION RATE 2017	

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
 BASE REVENUE 2016  
 WASTEWATER UTILITY RATE STUDY  
 Revised February 8, 2017 (DRAFT)

<u>Base Year*</u>	
<b>Residential Users</b>	
Number of Users	4,306
Service Charge / Flat Rate	\$ 26.66
Total Monthly Revenue for Service Charge / Flat Rate	\$ 114,798
Annual Revenue for Service Charge / Flat Rate	1,377,576
Adjustment for other residential revenue	\$ (63,143)
Total Annual Residential Charge	<u>\$ 1,314,432.82</u>
<b>Non-Residential</b>	
<u>Base Year*</u>	
<b>Commercial</b>	
Number of Users	388
Service Charge	\$ 7.10
Total Monthly Revenue for Service Charge	\$ 2,755
Annual Revenue for Service Charge	\$ 33,058
Number of Users	388
Flow Charges	\$ 2.40
Consumption above Minimum	\$ 22,655
Total Monthly Revenue for Consumption	\$ 54,371
Annual Consumption Charge	\$ 652,458
Adjustment for other Commercial revenue	\$ 79,934
Annual Commercial Total Charge	<u>\$ 765,450</u>
<u>Base Year*</u>	
<b>Government</b>	
Number of Users	13
Service Charge	\$ 7.10
Total Monthly Revenue for Service Charge	\$ 92
Annual Revenue for Service Charge	\$ 1,108
Number of Users	13
Flow Charges	\$ 2.40
Consumption above Minimum	\$ 235
Annual Consumption Charge	\$ 564
Annual Consumption Charge	\$ 6,773
Adjustment for other Government revenue	\$ 1,885
Annual Government Total Charge	<u>\$ 9,766</u>
<u>Base Year*</u>	
<b>Public Fire</b>	
Number of Users	2
Service Charge	\$ 7.10
Total Monthly Revenue for Service Charge	\$ 14
Annual Revenue for Service Charge	\$ 170
Number of Users	2
Flow Charges	\$ 2.40
Consumption above Minimum	\$ 62
Annual Consumption Charge	\$ 196
Annual Consumption Charge	\$ 2,357
Annual Public Fire Total Charge	<u>\$ 2,528</u>
<u>Base Year*</u>	
<b>Church</b>	
Number of Users	17
Service Charge	\$ 7.10
Total Monthly Revenue for Service Charge	\$ 120.70
Annual Revenue for Service Charge	\$ 1,448.40
Number of Users	17
Flow Charges	\$ 2.40
Consumption above Minimum	\$ 165
Annual Consumption Charge	\$ 397
Annual Consumption Charge	\$ 4,788
Annual Church Total Charge	<u>\$ 6,216</u>
<u>Revenue from Trash</u>	
Users	4,213
Monthly Charge	\$ 15.00
Annual Revenue	\$ 63,195
Annual Revenue	<u>\$ 758,340</u>
Total Sewer and Trash Revenue	<u>3,128,892</u>

\* Users and consumption is based on reports provided by the City of Beech Grove Utility Department

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
 OPERATING & MAINTENANCE EXPENSES 2026  
 WASTEWATER UTILITY RATE STUDY  
 Revised February 8, 2017 {DRAFT}

<u>Operating and Maintenance Expense</u>	<u>Adjusted* 2016</u>
Employees Salaries and Benefits - Wastewater	\$ 629,221
Sewage Treatment Charges	\$2,367,112
Landfill	\$ 262,906
Materials and Supplies	\$ 59,222
Professional Services	\$ 86,154
Other Services & Charges	\$ 51,649
Insurance	\$ 104,892
Indy DPW	\$ 306,046
Refunds	\$ 4,923
Repair & Maintenance	\$ 350,000
Miscellaneous Expenses	\$ -
Trash Truck Leases	\$ 81,525
PILOT	\$ 132,412
 Total Operating and Maintenance	 <u>\$4,436,061</u>

\* See O&M Adjustment page for adjustments to 2016 actuals.

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
 REVENUE REQUIREMENTS 2026  
 WASTEWATER UTILITY RATE STUDY  
 Revised February 8, 2017 {DRAFT}

<u>Revenue Requirements</u>	<u>Projected</u>	<u>Ref</u>
Operation and Maintenance	\$ 4,436,061	(1)
Debt Service		
2004 SRF	\$ 136,178	(2)
2004 Bond Bank	\$ 68,165	(2)
Return on Investment	\$ 708,355	
Operating & Capital Reserves	\$ 159,588	(3)
Total Revenue Requirements	\$ 5,508,348	
Less miscellaneous receipts	\$ -	(4)
Total Net Revenue Requirements	\$ 5,508,348	

- (1) Per City 2016 Financial Reports and adjustments made in Appendix B
- (2) Annual principal and interest for 2004 SRF and 2004 (appendix A), based on 2017
- (3) Based on AWWA manual "Developing Rates for Small Systems" recommendation to have 1-2% of Original Capital Cost
- (4) Projected based on year 2016.

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
SUMMARY OF REVENUE & EXPENSES 2026  
WASTEWATER UTILITY RATE STUDY  
Revised February 8, 2017 {DRAFT}

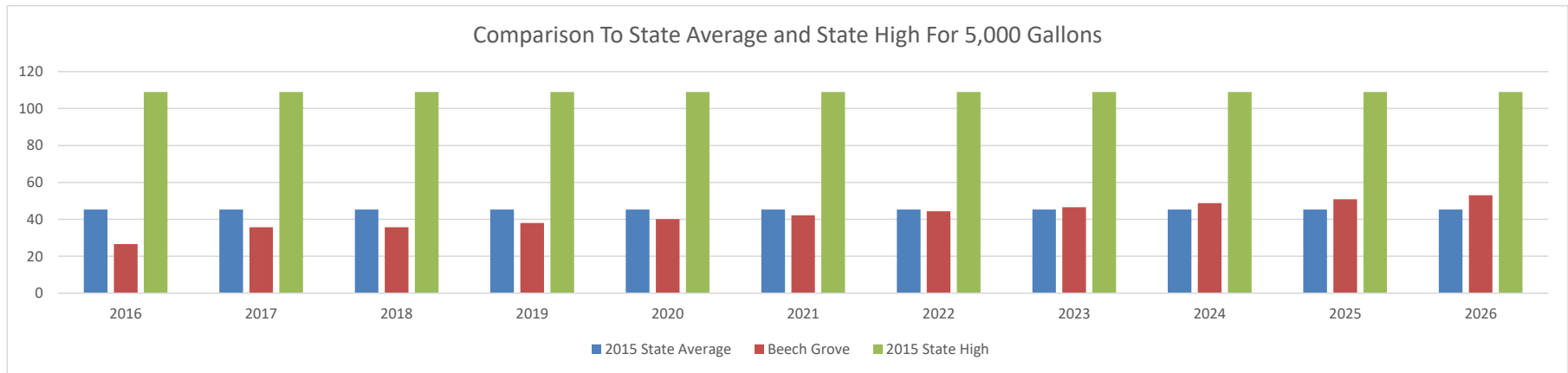
	<u>Base Year</u>
<b>Revenue</b>	
Operating Revenue	
Service Revenue	\$ 3,128,892
Total Operating Revenue	<u>\$ 3,128,892</u>
 Total Revenue	 <u>\$ 3,128,892</u>
 <b>Expenditures</b>	
Total O&M Expenses	\$ 4,436,061
 <b>Subtotal: Surplus/(Deficit) from Operating Revenue</b>	 <u>\$ (1,307,170)</u>
 Debt Service	
Series 2004 SRF	\$ 136,178
Series 2004 Bond Bank	\$ 68,165
Total Debt Service	<u>\$ 204,343</u>
 <b>Surplus/(Deficit) from Operations</b>	 <u>\$ (1,511,513)</u>
 Return on Investment	 <u>\$ 708,355</u>
 Reserves	
O&M Reserve	
Capital Reserve	\$ 159,588
Total Reserves	<u>\$ 159,588</u>
 <b>Surplus/(Deficit) after Reserves</b>	 <u><u>\$ (2,379,457)</u></u>

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
 PROPOSED RATES  
 WASTEWATER UTILITY RATE STUDY  
 Revised February 8, 2017 {DRAFT}

	<u>Current</u>	<u>6/1/2017</u>	<u>1/1/2019</u>	<u>1/1/2020</u>	<u>1/1/2021</u>	<u>1/1/2022</u>	<u>1/1/2023</u>	<u>1/1/2024</u>	<u>1/1/2025</u>	<u>1/1/2026</u>
Residential	26.66	35.79	37.99	40.11	42.23	44.43	46.55	48.75	50.87	53.07
Non-Residential Minimums										
<1 Inch	29.87	40.50	43.06	45.52	47.99	50.55	53.02	55.58	58.05	60.61
1 Inch	34.84	47.78	50.90	53.91	56.91	60.04	63.04	66.16	69.17	72.29
1 1/4 Inch	63.12	89.26	95.56	101.63	107.70	114.00	120.07	126.37	132.44	138.74
1 1/2 Inch	84.36	120.41	129.10	137.47	145.84	154.53	162.90	171.59	179.96	188.65
2 Inch	126.79	182.64	196.11	209.07	222.04	235.50	248.47	261.94	274.90	288.37
3 Inch	211.69	307.16	330.18	352.34	374.51	397.52	419.69	442.70	464.87	487.88
4 Inch	423.90	618.41	665.30	710.45	755.60	802.49	847.65	894.54	939.69	986.58
6 Inch	848.34	1,240.92	1,335.56	1,426.69	1,517.82	1,612.46	1,703.60	1,798.24	1,889.37	1,984.01
Flow Charge	\$ 2.40	\$ 3.52	\$ 3.79	\$ 4.05	\$ 4.31	\$ 4.58	\$ 4.84	\$ 5.11	\$ 5.37	\$ 5.64

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
 COMPARISONS  
 WASTEWATER UTILITY RATE STUDY  
 Revised February 8, 2017 {DRAFT}

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>
2015 State Average	45.29	45.29	45.29	45.29	45.29	45.29	45.29	45.29	45.29	45.29	45.29
Beech Grove	26.66	35.79	35.79	37.99	40.11	42.23	44.43	46.55	48.75	50.87	53.07
2015 State High	108.90	108.90	108.90	108.90	108.90	108.90	108.90	108.90	108.90	108.90	108.90



\* State Average and State High from "Indiana Comparative Rate Study Sewer 2016 January 2016 Prepared by UMBAUGH".



CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
APPENDIX A - AMORTIZATION SCHEDULES  
WASTEWATER UTILITY RATE STUDY  
Revised February 8, 2017 (DRAFT)

2004 Bond - SRF

Payment Date	Principal Balance	Principal	Interest Rate(s) (%)	Interest	Total Debt Service
7/1/2005	\$1,880,898	\$0	3.69%	\$54,367.36	\$68,089.11
1/1/2006	1,880,898	33,387	3.69%	34,702.57	68,089.11
7/1/2006	1,847,511	34,003	3.69%	34,086.59	68,089.11
1/1/2007	1,813,509	34,630	3.69%	33,459.24	68,089.11
7/1/2007	1,778,879	35,269	3.69%	32,820.32	68,089.11
1/1/2008	1,743,610	35,920	3.69%	32,169.61	68,089.11
7/1/2008	1,707,691	36,582	3.69%	31,506.89	68,089.11
1/1/2009	1,671,109	37,257	3.69%	30,831.95	68,089.11
7/1/2009	1,633,851	37,945	3.69%	30,144.56	68,089.11
1/1/2010	1,595,907	38,645	3.69%	29,444.48	68,089.11
7/1/2010	1,557,262	39,358	3.69%	28,731.49	68,089.11
1/1/2011	1,517,905	40,084	3.69%	28,005.34	68,089.11
7/1/2011	1,477,821	40,823	3.69%	27,265.79	68,089.11
1/1/2012	1,436,998	41,577	3.69%	26,512.60	68,089.11
7/1/2012	1,395,421	42,344	3.69%	25,745.52	68,089.11
1/1/2013	1,353,077	43,125	3.69%	24,964.28	68,089.11
7/1/2013	1,309,953	43,920	3.69%	24,168.63	68,089.11
1/1/2014	1,266,032	44,731	3.69%	23,358.29	68,089.11
7/1/2014	1,221,301	45,556	3.69%	22,533.01	68,089.11
1/1/2015	1,175,745	46,397	3.69%	21,692.50	68,089.11
7/1/2015	1,129,349	47,253	3.69%	20,836.48	68,089.11
1/1/2016	1,082,096	48,124	3.69%	19,964.67	68,089.11
7/1/2016	1,033,971	49,012	3.69%	19,076.77	68,089.11
1/1/2017	984,959	49,917	3.69%	18,172.50	68,089.11
7/1/2017	935,043	50,838	3.69%	17,251.54	68,089.11
1/1/2018	884,205	51,776	3.69%	16,313.58	68,089.11
7/1/2018	832,429	52,731	3.69%	15,358.32	68,089.11
1/1/2019	779,699	53,704	3.69%	14,385.44	68,089.11
7/1/2019	725,995	54,695	3.69%	13,394.61	68,089.11
1/1/2020	671,300	55,704	3.69%	12,385.49	68,089.11
7/1/2020	615,597	56,731	3.69%	11,357.76	68,089.11
1/1/2021	558,866	57,778	3.69%	10,311.07	68,089.11
7/1/2021	501,087	58,844	3.69%	9,245.06	68,089.11
1/1/2022	442,243	59,930	3.69%	8,159.39	68,089.11
7/1/2022	382,314	61,035	3.69%	7,053.69	68,089.11
1/1/2023	321,278	62,162	3.69%	5,927.58	68,089.11
7/1/2023	259,117	63,308	3.69%	4,780.70	68,089.11
1/1/2024	195,808	64,476	3.69%	3,612.66	68,089.11
7/1/2024	131,332	65,666	3.69%	2,423.07	68,089.11
1/1/2025	65,666	65,661	3.69%	1,211.54	66,872.42
		<u>\$1,880,898</u>		<u>\$827,732.95</u>	<u>\$2,722,347.71</u>

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
APPENDIX A - AMORTIZATION SCHEDULES  
WASTEWATER UTILITY RATE STUDY  
Revised February 8, 2017 (DRAFT)

Special Program Bonds, Series 2015 A Refunding

Payment Date	Interest Rate(s) (%)	Principal Balance	Principal	Interest	Total Debt Service
3/26/2015	4.81%	496,639.97	-	-	-
7/1/2015	4.81%	496,639.97	-	12,710.35	12,710.35
1/1/2016	4.81%	496,639.97	-	11,944.19	11,944.19
7/1/2016	4.81%	496,639.97	2,537.97	11,944.19	14,482.16
1/1/2017	4.81%	494,102.00	25,000.00	11,883.15	36,883.15
7/1/2017	4.81%	469,102.00	20,000.00	11,281.90	31,281.90
1/1/2018	4.81%	449,102.00	30,000.00	10,800.90	40,800.90
7/1/2018	4.81%	419,102.00	25,000.00	10,079.40	35,079.40
1/1/2019	4.81%	394,102.00	25,000.00	9,478.15	34,478.15
7/1/2019	4.81%	369,102.00	25,000.00	8,876.90	33,876.90
1/1/2020	4.81%	344,102.00	30,000.00	8,275.65	38,275.65
7/1/2020	4.81%	314,102.00	25,000.00	7,554.15	32,554.15
1/1/2021	4.81%	289,102.00	30,000.00	6,952.90	36,952.90
7/1/2021	4.81%	259,102.00	30,000.00	6,231.40	36,231.40
1/1/2022	4.81%	229,102.00	30,000.00	5,509.90	35,509.90
7/1/2022	4.81%	199,102.00	35,000.00	4,788.40	39,788.40
1/1/2023	4.81%	164,102.00	30,000.00	3,946.65	33,946.65
7/1/2023	4.81%	134,102.00	30,000.00	3,225.15	33,225.15
1/1/2024	4.81%	104,102.00	35,000.00	2,503.65	37,503.65
7/1/2024	4.81%	69,102.00	35,000.00	1,661.90	36,661.90
1/1/2025	4.81%	34,102.00	34,102.00	820.15	34,922.15
			<u>\$496,639.97</u>	<u>\$ 150,469.03</u>	<u>\$ 647,109.00</u>

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
APPENDIX B - ADJUSTMENTS  
WASTEWATER UTILITY RATE STUDY  
Revised February 8, 2017 {DRAFT}

<u>Operating and Maintenance Expense</u>	<u>2016</u>	<u>Adjustments</u>	<u>Adjusted 2016</u>
Employees Salaries and Benefits - Wastewater	\$ 629,221	\$ -	\$ 629,221
Sewage Treatment Charges	\$ 599,724	\$ 1,767,388 <sup>(3)</sup>	\$ 2,367,112
Landfill	\$ 262,906	\$ -	\$ 262,906
Materials and Supplies	\$ 59,222	\$ -	\$ 59,222
Professional Services	\$ 86,154	\$ -	\$ 86,154
Other Services & Charges	\$ 51,649	\$ -	\$ 51,649
Insurance	\$ 104,892	\$ -	\$ 104,892
Indy DPW	\$ 90,506	\$ 215,540 <sup>(1)</sup>	\$ 306,046
Refunds	\$ 4,923	\$ -	\$ 4,923
Repair & Maintenance	\$ 220,901	\$ 129,099 <sup>(1)</sup>	\$ 350,000
Miscellaneous Expenses	\$ -	\$ -	\$ -
Trash Truck Leases	\$ 76,475	\$ 5,050 <sup>(1)</sup>	\$ 81,525
PILOT	\$ 142,196	\$ (9,784) <sup>(2)</sup>	\$ 132,412
 Total Operating and Maintenance	 <u>\$ 2,328,768</u>	 <u>\$ 2,107,293</u>	 <u>\$ 4,436,061</u>

(1) Adjustment for City Officials Estimates.

(2) PILOT calculation revised to incorporate 2016 depreciated assets and 2017 property tax rates.

(3) Adjustment for IURC Cause No 44685 S-1 Proposed Rates.

(Subject to the comments in the attached letter dated February 8, 2017 of Peters Municipal Consultants, LTD)

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
 APPENDIX C- PILOT CALCULATION  
 WASTEWATER UTILITY RATE STUDY  
 Revised February 8, 2017 {DRAFT}

<u>Taxing District</u>	<u>2016 Abstract Assessed Value</u>	<u>% of Total</u>	<u>% multiplied by Utility AV</u>	<u>Multiplied by City Tax Rate Per \$100</u>	<u>Equal Gross Tax</u>
102	\$ 74,636,787	16.84%	\$ 1,403,098	1.5889	\$ 22,294
302	\$ 130,497,976	29.44%	\$ 2,453,233	1.5889	\$ 38,979
320	\$ 6,588,710	1.49%	\$ 123,861	1.5889	\$ 1,968
502	\$ 189,334,680	42.71%	\$ 3,559,305	1.5889	\$ 56,554
520	\$ 17,561,555	3.96%	\$ 330,140	1.5889	\$ 5,246
702	\$ 1,566,026	0.35%	\$ 29,440	1.5889	\$ 468
352	\$ 2,617,822	0.59%	\$ 49,212	1.5889	\$ 782
552	\$ 19,421,854	4.38%	\$ 365,112	1.5889	\$ 5,801
752	\$ 1,074,164	0.24%	\$ 20,193	1.5889	\$ 321
	<u>\$ 443,299,574</u>	<u>100%</u>	<u>\$ 8,333,594</u>		<u>\$ 132,412</u>

(Subject to the comments in the attached letter dated February 8, 2017 of Peters Municipal Consultants, LTD)

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
 APPENDIX D - RESERVE CALCULATION  
 WASTEWATER UTILITY RATE STUDY  
 Revised February 8, 2017 {DRAFT}

Operating Reserve <sup>1</sup>

Estimated Annual O&M Expenditures	4,436,061
Divided by 12 months	12.00
Estimated Monthly O&M Expenditures	<u>369,672</u>
Multiplied times 2 for 2 month reserve	<u><u>739,344</u></u>

Capital Reserve \*

Cost Wastewater Capital Assets	\$ 15,958,816
Multiplied by 2.0%	<u>1.00%</u>
Estimated Capital Reserve	<u><u>\$ 159,588</u></u>

\* AWWA Manual "Developing Rates for Small Systems" recommends 1-2% for capital reserve.

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
APPENDIX E - ROI CALCULATION  
WASTEWATER UTILITY RATE STUDY  
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Utility's Original Cost (estimated)	\$ 15,958,816.00
Less Accumulated Depreciation	<u>(7,625,222)</u>
Assessed Valuation	\$ 8,333,593.72
Rate of Return	8.50%
Return on Investment	<u><u>\$ 708,355.47</u></u>

(Subject to the comments in the attached letter dated February 8, 2017 of Peters Municipal Consultants, LTD)

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
 APPENDIX F - DEPRECIATION CALCULATION  
 WASTEWATER UTILITY RATE STUDY  
 Revised February 8, 2017 (DRAFT)

Wastewater:	Estimated First Cost	Useful Life	Annual Depreciation
1945 Property	\$ 1,627,326	100	16,273
1950 Property	1,787,382	100	17,874
1960 Property	2,586,519	100	25,865
1965 Property	1,194,205	100	11,942
1970 Property	1,983,783	100	19,838
1989 Property	267,161	100	2,672
1990 Property	4,337,659	100	43,377
2015 Property	461,556	100	4,616
2008 Machinery & Equipment	273,894	15	18,260
<b>Wastewater Total:</b>	<b>\$ 14,519,485</b>		<b>\$ 160,716</b>
<b>Solid Waste:</b>			
1991 Truck	\$ 62,000	15	-
1995 Truck	70,000	15	-
2005 Truck & Equipment	514,224	15	34,282
2000 Truck	78,107	15	-
2012 Trucks	400,000	15	26,667
1981 Buildings	315,000	40	7,875
<b>Solid Waste Total</b>	<b>\$ 1,439,331</b>		<b>68,823</b>
<b>TOTAL</b>	<b>\$ 15,958,816</b>		<b>\$ 229,539</b>

2016	Replacement Cost	X by Cost Index	Book Value	Useful* Life	Less Accumulated Depreciation	Equal Assessed Value
<b>Wastewater:</b>						
1945 Property	\$ 21,820,000	0.075	1,627,326	100	1,155,401	
1950 Property	17,900,000	0.100	1,787,382	100	1,179,672	
1960 Property	21,090,000	0.123	2,586,519	100	1,448,451	
1965 Property	9,150,000	0.131	1,194,205	100	609,045	
1970 Property	12,340,000	0.161	1,983,783	100	912,540	
1989 Property	520,000	0.514	267,161	100	72,133	
1990 Property	8,010,000	0.542	4,337,659	100	1,127,791	
2015 Property	470,000	0.982	461,556	100	4,616	
2008 Machinery & Equipment	307,033	0.892	273,894	15	146,077	
	<b>\$ 91,607,033</b>		<b>\$ 14,519,485</b>		<b>\$ 6,655,726</b>	<b>\$ 7,863,759</b>
<b>Solid Waste</b>						
1991 Truck			62,000	15	62,000	
1995 Truck			70,000	15	70,000	
2005 Truck & Equipment			514,224	15	377,098	
2000 Truck			78,107	15	78,107	
2012 Trucks			400,000	15	106,667	
1981 Buildings	831,707	0.38	315,000	40	275,625	
			<b>\$ 1,439,331</b>		<b>\$ 969,496</b>	<b>\$ 469,835</b>

\* Useful life per State Board of Accounts Manual for Cities and Towns "Depreciation of Utility Assets" page 3-45

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
 APPENDIX G - REVENUE CALCULATION RATE 2026  
 WASTEWATER UTILITY RATE STUDY  
 Revised February 9, 2017 (DRAFT)

	Flat Rate
<b>Residential Users</b>	
Number of Users	4,306
Service Charge / Flat Rate	<u>53.07</u>
Total Monthly Revenue for Service Charge	228,502
Annual Revenue for Service Charge / Flat Rate	2,742,026.35
Adjustment for other residential revenue	\$ (63,142.70)
Total Annual Residential Charge	<u>2,678,883.65</u>

**Non-Residential**

<b>Commercial</b>		<b>Industrial</b>	
Number of Users	388	Number of Users	8
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	2,755	Total Monthly Revenue for Service Charge	57
Annual Revenue for Service Charge	33,057.60	Annual Revenue for Service Charge	681.60
Number of Users	388	Number of Users	8
Flow Charges	5.64	Flow Charges	5.64
Consumption above Minimum	<u>22,654.78</u>	Consumption above Minimum	<u>2,478.49</u>
	127,772.94		13,984.34
Annual Consumption Charge	1,533,275.29	Annual Consumption Charge	167,812.04
Adjustment for other Commercial revenue	79,934.46	Adjustment for other Industrial revenue	40,098.84
Annual Commercial Total Charge	<u>1,646,267.35</u>	Annual Industrial Total Charge	<u>208,592.48</u>

<b>Government</b>		<b>Multi-Family</b>	
Number of Users	13	Number of Users	15
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	92	Total Monthly Revenue for Service Charge	107
Annual Revenue for Service Charge	1,107.60	Annual Revenue for Service Charge	1,278.00
Number of Users	13	Number of Users	15
Flow Charges	5.64	Flow Charges	5.64
Consumption above Minimum	<u>235.19</u>	Consumption above Minimum	<u>\$ 80</u>
	1,326.45		450.02
Annual Consumption Charge	15,917.44	Annual Consumption Charge	5,400.26
Adjustment for other Government revenue	\$ (7,259)	Adjustment for other Multi-Family	6,752.49
Annual Government Total Charge	<u>9,766.35</u>	Annual Multi-Family Total Charge	<u>13,430.75</u>

<b>Public Fire</b>		<b>Educational</b>	
Number of Users	2	Number of Users	10
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	14	Total Monthly Revenue for Service Charge	71
Annual Revenue for Service Charge	170.40	Annual Revenue for Service Charge	852.00
Number of Users	2	Number of Users	10
Flow Charges	5.64	Flow Charges	5.64
Consumption above Minimum	<u>81.85</u>	Consumption above Minimum	<u>860.73</u>
	461.63		4,854.50
Annual Consumption Charge	5,539.54	Annual Consumption Charge	58,254.06
Annual Public Fire Total Charge	<u>5,709.94</u>	Annual Educational Total Charge	<u>59,106.06</u>

<b>Church</b>		<b>Other Utility Receipts (Leins, etc.)</b>	
Number of Users	17		120,898
Service Charge	<u>7.10</u>	Total Non-Residential Annual Revenue	<u>1,955,525.28</u>
Total Monthly Revenue for Service Charge	121	Total Sewer Annual Revenue	<u>4,755,306.49</u>
Annual Revenue for Service Charge	1,448.40		
Number of Users	17		
Flow Charges	5.64		
Consumption above Minimum	<u>165.54</u>		
	933.66		
Annual Consumption Charge	11,203.95		
Annual Church Total Charge	<u>12,652.35</u>		

<b>Revenue from Trash</b>	
Users	4,213.00
Monthly Charge	<u>15.00</u>
	63,195.00
Annual Revenue	758,340.00
<b>Total Sewer and Trash Revenue</b>	<u>5,513,646.49</u>

\* Users and consumption is based on reports provided by the City of Beech Grove Utility Department

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
 APPENDIX G - REVENUE CALCULATION RATE 2025  
 WASTEWATER UTILITY RATE STUDY  
 Revised February 9, 2017 (DRAFT)

Flat Rate	
<b>Residential Users</b>	
Number of Users	4,306
Service Charge / Flat Rate	<u>50.87</u>
Total Monthly Revenue for Service Charge / Flat Rate	219,027
Annual Revenue for Service Charge / Flat Rate	2,628,322.12
Adjustment for other residential revenue	\$ (63,142.70)
Total Annual Residential Charge	<u>2,565,179.42</u>

**Non-Residential**

<b>Commercial</b>		<b>Industrial</b>	
Number of Users	388	Number of Users	8
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	2,755	Total Monthly Revenue for Service Charge	57
Annual Revenue for Service Charge	33,057.60	Annual Revenue for Service Charge	681.60
Number of Users	388	Number of Users	8
Flow Charges	5.37	Flow Charges	5.37
Consumption above Minimum	<u>22,654.78</u>	Consumption above Minimum	<u>2,479.49</u>
	121,656.15		13,314.87
Annual Consumption Charge	1,459,873.81	Annual Consumption Charge	159,778.49
Adjustment for other Commercial revenue	79,934.46	Adjustment for other Industrial revenue	40,098.84
Annual Commercial Total Charge	<u>1,572,865.87</u>	Annual Industrial Total Charge	<u>200,558.93</u>

<b>Government</b>		<b>Multi-Family</b>	
Number of Users	13	Number of Users	15
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	92	Total Monthly Revenue for Service Charge	107
Annual Revenue for Service Charge	1,107.60	Annual Revenue for Service Charge	1,278.00
Number of Users	13	Number of Users	15
Flow Charges	5.37	Flow Charges	5.37
Consumption above Minimum	<u>235.19</u>	Consumption above Minimum	<u>\$ 84</u>
	1,262.95		450.02
Annual Consumption Charge	15,155.44	Annual Consumption Charge	5,400.26
Adjustment for other Government revenue	\$ (6,497)	Adjustment for other Multi-Family	6,752.49
Annual Government Total Charge	<u>9,766.35</u>	Annual Multi-Family Total Charge	<u>13,430.75</u>

<b>Public Fire</b>		<b>Educational</b>	
Number of Users	2	Number of Users	10
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	14	Total Monthly Revenue for Service Charge	71
Annual Revenue for Service Charge	170.40	Annual Revenue for Service Charge	852.00
Number of Users	2	Number of Users	10
Flow Charges	5.37	Flow Charges	5.37
Consumption above Minimum	<u>81.85</u>	Consumption above Minimum	<u>869.73</u>
	439.53		4,622.11
Annual Consumption Charge	5,274.35	Annual Consumption Charge	55,465.30
Annual Public Fire Total Charge	<u>5,444.75</u>	Annual Educational Total Charge	<u>56,317.30</u>

<b>Church</b>		<b>Other Utility Receipts (Leins, etc.)</b>	
Number of Users	17		120,898
Service Charge	<u>7.10</u>		
Total Monthly Revenue for Service Charge	121	Total Non-Residential Annual Revenue	<u>1,870,499.94</u>
Annual Revenue for Service Charge	1,448.40	Total Sewer Annual Revenue	<u>4,556,576.92</u>
Number of Users	17		
Flow Charges	5.37		
Consumption above Minimum	<u>165.54</u>		
	888.97		
Annual Consumption Charge	10,667.59		
Annual Church Total Charge	<u>12,115.99</u>		

<b>Revenue from Trash</b>	
Users	4,213.00
Monthly Charge	<u>15.00</u>
	63,195.00
Annual Revenue	758,340.00

<b>Total Sewer and Trash Revenue</b>	<u>5,314,916.92</u>
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\* Users and consumption is based on reports provided by the City of Beech Grove Utility Department



CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
 APPENDIX G - REVENUE CALCULATION RATE 2024  
 WASTEWATER UTILITY RATE STUDY  
 Revised February 9, 2017 (DRAFT)

	Flat Rate
<b>Residential Users</b>	
Number of Users	4,306
Service Charge / Flat Rate	<u>48.75</u>
Total Monthly Revenue for Service Charge / Flat Rate	209,902
Annual Revenue for Service Charge / Flat Rate	2,518,829.15
Adjustment for other residential revenue	\$ (63,142.70)
Total Annual Residential Charge	<u>2,455,686.45</u>

**Non-Residential**

<b>Commercial</b>		<b>Industrial</b>	
Number of Users	388	Number of Users	8
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	2,755	Total Monthly Revenue for Service Charge	57
Annual Revenue for Service Charge	33,057.60	Annual Revenue for Service Charge	681.60
Number of Users	388	Number of Users	8
Flow Charges	5.11	Flow Charges	5.11
Consumption above Minimum	<u>22,654.78</u>	Consumption above Minimum	<u>2,478.49</u>
	115,765.91		12,670.21
Annual Consumption Charge	1,389,190.91	Annual Consumption Charge	152,042.47
Adjustment for other Commercial revenue	79,934.46	Adjustment for other Industrial revenue	40,098.84
Annual Commercial Total Charge	<u>1,502,182.97</u>	Annual Industrial Total Charge	<u>192,822.91</u>

<b>Government</b>		<b>Multi-Family</b>	
Number of Users	13	Number of Users	15
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	92	Total Monthly Revenue for Service Charge	107
Annual Revenue for Service Charge	1,107.60	Annual Revenue for Service Charge	1,278.00
Number of Users	13	Number of Users	15
Flow Charges	5.11	Flow Charges	5.11
Consumption above Minimum	<u>235.19</u>	Consumption above Minimum	<u>\$ 86</u>
	1,201.80		450.02
Annual Consumption Charge	14,421.65	Annual Consumption Charge	5,400.26
Adjustment for other Government revenue	\$ (5,763)	Adjustment for other Multi-Family	6,752.49
Annual Government Total Charge	<u>9,766.35</u>	Annual Multi-Family Total Charge	<u>13,430.75</u>

<b>Public Fire</b>		<b>Educational</b>	
Number of Users	2	Number of Users	10
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	14	Total Monthly Revenue for Service Charge	71
Annual Revenue for Service Charge	170.40	Annual Revenue for Service Charge	852.00
Number of Users	2	Number of Users	10
Flow Charges	5.11	Flow Charges	5.11
Consumption above Minimum	<u>81.85</u>	Consumption above Minimum	<u>869.73</u>
	418.25		4,398.32
Annual Consumption Charge	5,018.98	Annual Consumption Charge	52,779.83
Annual Public Fire Total Charge	<u>5,189.38</u>	Annual Educational Total Charge	<u>53,631.83</u>

<b>Church</b>		<b>Other Utility Receipts (Leins, etc.)</b>	
Number of Users	17		120,898
Service Charge	<u>7.10</u>	Total Non-Residential Annual Revenue	<u>1,788,623.69</u>
Total Monthly Revenue for Service Charge	121	Total Sewer Annual Revenue	<u>4,365,207.69</u>
Annual Revenue for Service Charge	1,448.40		
Number of Users	17		
Flow Charges	5.11		
Consumption above Minimum	<u>165.54</u>		
	845.93		
Annual Consumption Charge	10,151.10		
Annual Church Total Charge	<u>11,599.50</u>		

<b>Revenue from Trash</b>	
Users	4,213.00
Monthly Charge	<u>15.00</u>
	63,195.00
Annual Revenue	758,340.00
<b>Total Sewer and Trash Revenue</b>	<u>5,123,547.69</u>

\* Users and consumption is based on reports provided by the City of Beech Grove Utility Department

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
 APPENDIX G - REVENUE CALCULATION RATE 2023  
 WASTEWATER UTILITY RATE STUDY  
 Revised February 9, 2017 (DRAFT)

		Flat Rate		
<b>Residential Users</b>				
Number of Users		4,306		
Service Charge / Flat Rate		<u>46.55</u>		
Total Monthly Revenue for Service Charge / Flat Rate		200,427		
Annual Revenue for Service Charge / Flat Rate		2,405,124.91		
Adjustment for other residential revenue		\$ (63,142.70)		
Total Annual Residential Charge		<u>2,341,982.21</u>		
<b>Non-Residential</b>				
<b>Commercial</b>				
Number of Users	388			
Service Charge	<u>7.10</u>			
Total Monthly Revenue for Service Charge	2,755			
Annual Revenue for Service Charge	33,057.60			
Number of Users	388			
Flow Charges	4.84			
Consumption above Minimum	<u>22,654.78</u>			
	109,649.12			
Annual Consumption Charge	1,315,789.43			
Adjustment for other Commercial revenue	79,934.46			
Annual Commercial Total Charge	<u>1,428,781.49</u>			
<b>Industrial</b>				
Number of Users		8		
Service Charge		<u>7.10</u>		
Total Monthly Revenue for Service Charge		57		
Annual Revenue for Service Charge		681.60		
Number of Users		8		
Flow Charges		4.84		
Consumption above Minimum		<u>2,478.49</u>		
		12,000.74		
Annual Consumption Charge		144,008.92		
Adjustment for other Industrial revenue		40,098.84		
Annual Industrial Total Charge		<u>184,789.36</u>		
<b>Government</b>				
Number of Users	13			
Service Charge	<u>7.10</u>			
Total Monthly Revenue for Service Charge	92			
Annual Revenue for Service Charge	1,107.60			
Number of Users	13			
Flow Charges	4.84			
Consumption above Minimum	<u>235.19</u>			
	1,138.30			
Annual Consumption Charge	13,659.65			
Adjustment for other Government revenue	\$ (5,001)			
Annual Government Total Charge	<u>9,766.35</u>			
<b>Multi-Family</b>				
Number of Users		15		
Service Charge		<u>7.10</u>		
Total Monthly Revenue for Service Charge		107		
Annual Revenue for Service Charge		1,278.00		
Number of Users		15		
Flow Charges		4.84		
Consumption above Minimum		<u>\$ 83</u>		
		450.02		
Annual Consumption Charge		5,400.26		
Adjustment for other Multi-Family		6,752.49		
Annual Multi-Family Total Charge		<u>13,430.75</u>		
<b>Public Fire</b>				
Number of Users	2			
Service Charge	<u>7.10</u>			
Total Monthly Revenue for Service Charge	14			
Annual Revenue for Service Charge	170.40			
Number of Users	2			
Flow Charges	4.84			
Consumption above Minimum	<u>81.85</u>			
	396.15			
Annual Consumption Charge	4,753.79			
Annual Public Fire Total Charge	<u>4,924.19</u>			
<b>Educational</b>				
Number of Users		10		
Service Charge		<u>7.10</u>		
Total Monthly Revenue for Service Charge		71		
Annual Revenue for Service Charge		852.00		
Number of Users		10		
Flow Charges		4.84		
Consumption above Minimum		<u>869.73</u>		
		4,165.92		
Annual Consumption Charge		49,991.07		
Annual Educational Total Charge		<u>50,843.07</u>		
<b>Church</b>				
Number of Users	17			
Service Charge	<u>7.10</u>			
Total Monthly Revenue for Service Charge	121			
Annual Revenue for Service Charge	1,448.40			
Number of Users	17			
Flow Charges	4.84			
Consumption above Minimum	<u>165.54</u>			
	801.23			
Annual Consumption Charge	9,614.74			
Annual Church Total Charge	<u>11,063.14</u>			
<b>Revenue from Trash</b>				
Users		4,213.00		
Monthly Charge		<u>15.00</u>		
		63,195.00		
Annual Revenue		758,340.00		
<b>Total Sewer and Trash Revenue</b>		<u>4,924,818.12</u>		

\* Users and consumption is based on reports provided by the City of Beech Grove Utility Department

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
 APPENDIX G - REVENUE CALCULATION RATE 2022  
 WASTEWATER UTILITY RATE STUDY  
 Revised February 9, 2017 (DRAFT)

		Flat Rate		
<u>Residential Users</u>				
Number of Users		4,306		
Service Charge / Flat Rate		<u>44.43</u>		
Total Monthly Revenue for Service Charge / Flat Rate		191,303		
Annual Revenue for Service Charge / Flat Rate		2,295,631.94		
Adjustment for other residential revenue		\$ (63,142.70)		
Total Annual Residential Charge		<u>2,232,489.24</u>		
<u>Non-Residential</u>				
<u>Commercial</u>				
Number of Users	388			
Service Charge	<u>7.10</u>			
Total Monthly Revenue for Service Charge	2,755			
Annual Revenue for Service Charge	33,057.60			
Number of Users	388			
Flow Charges	4.58			
Consumption above Minimum	<u>22,654.78</u>			
	103,758.88			
Annual Consumption Charge	1,245,106.53			
Adjustment for other Commercial revenue	79,934.46			
Annual Commercial Total Charge	<u>1,358,098.59</u>			
<u>Industrial</u>				
Number of Users		8		
Service Charge		<u>7.10</u>		
Total Monthly Revenue for Service Charge		57		
Annual Revenue for Service Charge		681.60		
Number of Users		8		
Flow Charges		4.58		
Consumption above Minimum		<u>2,479.49</u>		
		11,356.08		
Annual Consumption Charge		136,272.90		
Adjustment for other Industrial revenue		40,098.84		
Annual Industrial Total Charge		<u>177,053.34</u>		
<u>Government</u>				
Number of Users	13			
Service Charge	<u>7.10</u>			
Total Monthly Revenue for Service Charge	92			
Annual Revenue for Service Charge	1,107.60			
Number of Users	13			
Flow Charges	4.58			
Consumption above Minimum	<u>235.19</u>			
	1,077.16			
Annual Consumption Charge	12,925.87			
Adjustment for other Government revenue	\$ (4,267)			
Annual Government Total Charge	<u>9,766.35</u>			
<u>Multi-Family</u>				
Number of Users		15		
Service Charge		<u>7.10</u>		
Total Monthly Revenue for Service Charge		107		
Annual Revenue for Service Charge		1,278.00		
Number of Users		15		
Flow Charges		4.58		
Consumption above Minimum		<u>\$ 98</u>		
		450.02		
Annual Consumption Charge		5,400.26		
Adjustment for other Multi-Family		6,752.49		
Annual Multi-Family Total Charge		<u>13,430.75</u>		
<u>Public Fire</u>				
Number of Users	2			
Service Charge	<u>7.10</u>			
Total Monthly Revenue for Service Charge	14			
Annual Revenue for Service Charge	170.40			
Number of Users	2			
Flow Charges	4.58			
Consumption above Minimum	<u>81.85</u>			
	374.87			
Annual Consumption Charge	4,498.42			
Annual Public Fire Total Charge	<u>4,668.82</u>			
<u>Educational</u>				
Number of Users		10		
Service Charge		<u>7.10</u>		
Total Monthly Revenue for Service Charge		71		
Annual Revenue for Service Charge		852.00		
Number of Users		10		
Flow Charges		4.58		
Consumption above Minimum		<u>860.73</u>		
		3,942.13		
Annual Consumption Charge		47,305.60		
Annual Educational Total Charge		<u>48,157.60</u>		
<u>Church</u>				
Number of Users	17			
Service Charge	<u>7.10</u>			
Total Monthly Revenue for Service Charge	121			
Annual Revenue for Service Charge	1,448.40			
Number of Users	17			
Flow Charges	4.58			
Consumption above Minimum	<u>165.54</u>			
	758.19			
Annual Consumption Charge	9,098.25			
Annual Church Total Charge	<u>10,546.65</u>			
<u>Revenue from Trash</u>				
Users		4,213.00		
Monthly Charge		<u>15.00</u>		
		63,195.00		
Annual Revenue		758,340.00		
Total Sewer and Trash Revenue		<u>4,733,448.90</u>		

\* Users and consumption is based on reports provided by the City of Beech Grove Utility Department

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
 APPENDIX G - REVENUE CALCULATION RATE 2021  
 WASTEWATER UTILITY RATE STUDY  
 Revised February 9, 2017 (DRAFT)

	Flat Rate
<b>Residential Users</b>	
Number of Users	4,306
Service Charge / Flat Rate	<u>42.23</u>
Total Monthly Revenue for Service Charge / Flat Rate	181,827
Annual Revenue for Service Charge / Flat Rate	2,181,927.71
Adjustment for other residential revenue	\$ (63,142.70)
Total Annual Residential Charge	<u>2,118,785.01</u>

**Non-Residential**

<b>Commercial</b>		<b>Industrial</b>	
Number of Users	388	Number of Users	8
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	2,755	Total Monthly Revenue for Service Charge	57
Annual Revenue for Service Charge	33,057.60	Annual Revenue for Service Charge	681.60
Number of Users	388	Number of Users	8
Flow Charges	4.31	Flow Charges	4.31
Consumption above Minimum	<u>22,654.78</u>	Consumption above Minimum	<u>2,478.49</u>
	97,642.09		10,686.61
Annual Consumption Charge	1,171,705.05	Annual Consumption Charge	128,239.34
Adjustment for other Commercial revenue	79,934.46	Adjustment for other Industrial revenue	40,098.84
Annual Commercial Total Charge	<u>1,284,697.11</u>	Annual Industrial Total Charge	<u>169,019.78</u>

<b>Government</b>		<b>Multi-Family</b>	
Number of Users	13	Number of Users	15
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	92	Total Monthly Revenue for Service Charge	107
Annual Revenue for Service Charge	1,107.60	Annual Revenue for Service Charge	1,278.00
Number of Users	13	Number of Users	15
Flow Charges	4.31	Flow Charges	4.31
Consumption above Minimum	<u>235.19</u>	Consumption above Minimum	<u>\$ 104</u>
	1,013.66		450.02
Annual Consumption Charge	12,163.86	Annual Consumption Charge	5,400.26
Adjustment for other Government revenue	\$ (3,505)	Adjustment for other Multi-Family	6,752.49
Annual Government Total Charge	<u>9,766.35</u>	Annual Multi-Family Total Charge	<u>13,430.75</u>

<b>Public Fire</b>		<b>Educational</b>	
Number of Users	2	Number of Users	10
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	14	Total Monthly Revenue for Service Charge	71
Annual Revenue for Service Charge	170.40	Annual Revenue for Service Charge	852.00
Number of Users	2	Number of Users	10
Flow Charges	4.31	Flow Charges	4.31
Consumption above Minimum	<u>81.85</u>	Consumption above Minimum	<u>860.73</u>
	352.77		3,709.74
Annual Consumption Charge	4,233.23	Annual Consumption Charge	44,516.84
Annual Public Fire Total Charge	<u>4,403.63</u>	Annual Educational Total Charge	<u>45,368.84</u>

<b>Church</b>		<b>Other Utility Receipts (Leins, etc.)</b>	
Number of Users	17		120,898
Service Charge	<u>7.10</u>	Total Non-Residential Annual Revenue	<u>1,536,696.75</u>
Total Monthly Revenue for Service Charge	121	Total Sewer Annual Revenue	<u>3,776,379.32</u>
Annual Revenue for Service Charge	1,448.40		
Number of Users	17		
Flow Charges	4.31		
Consumption above Minimum	<u>165.54</u>		
	713.49		
Annual Consumption Charge	8,561.89		
Annual Church Total Charge	<u>10,010.29</u>		

<b>Revenue from Trash</b>	
Users	4,213.00
Monthly Charge	<u>15.00</u>
	63,195.00
Annual Revenue	758,340.00
<b>Total Sewer and Trash Revenue</b>	<u>4,534,719.32</u>

\* Users and consumption is based on reports provided by the City of Beech Grove Utility Department

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
 APPENDIX G - REVENUE CALCULATION RATE 2020  
 WASTEWATER UTILITY RATE STUDY  
 Revised February 9, 2017 (DRAFT)

	Flat Rate
<b>Residential Users</b>	
Number of Users	4,306
Service Charge / Flat Rate	<u>40.11</u>
Total Monthly Revenue for Service Charge / Flat Rate	172,703
Annual Revenue for Service Charge / Flat Rate	2,072,434.74
Adjustment for other residential revenue	\$ (63,142.70)
Total Annual Residential Charge	<u>2,009,292.04</u>

**Non-Residential**

<b>Commercial</b>		<b>Industrial</b>	
Number of Users	388	Number of Users	8
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	2,755	Total Monthly Revenue for Service Charge	57
Annual Revenue for Service Charge	33,057.60	Annual Revenue for Service Charge	681.60
Number of Users	388	Number of Users	8
Flow Charges	4.05	Flow Charges	4.05
Consumption above Minimum	<u>22,654.78</u>	Consumption above Minimum	<u>2,479.49</u>
	91,751.85		10,041.94
Annual Consumption Charge	1,101,022.15	Annual Consumption Charge	120,503.33
Adjustment for other Commercial revenue	79,934.46	Adjustment for other Industrial revenue	40,098.84
Annual Commercial Total Charge	<u>1,214,014.21</u>	Annual Industrial Total Charge	<u>161,283.77</u>

<b>Government</b>		<b>Multi-Family</b>	
Number of Users	13	Number of Users	15
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	92	Total Monthly Revenue for Service Charge	107
Annual Revenue for Service Charge	1,107.60	Annual Revenue for Service Charge	1,278.00
Number of Users	13	Number of Users	15
Flow Charges	4.05	Flow Charges	4.05
Consumption above Minimum	<u>235.19</u>	Consumption above Minimum	<u>\$ 111</u>
	952.51		450.02
Annual Consumption Charge	11,430.08	Annual Consumption Charge	5,400.26
Adjustment for other Government revenue	\$ (2,771)	Adjustment for other Multi-Family	6,752.49
Annual Government Total Charge	<u>9,766.35</u>	Annual Multi-Family Total Charge	<u>13,430.75</u>

<b>Public Fire</b>		<b>Educational</b>	
Number of Users	2	Number of Users	10
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	14	Total Monthly Revenue for Service Charge	71
Annual Revenue for Service Charge	170.40	Annual Revenue for Service Charge	852.00
Number of Users	2	Number of Users	10
Flow Charges	4.05	Flow Charges	4.05
Consumption above Minimum	<u>81.85</u>	Consumption above Minimum	<u>860.73</u>
	331.49		3,486.95
Annual Consumption Charge	3,977.86	Annual Consumption Charge	41,831.37
Annual Public Fire Total Charge	<u>4,148.26</u>	Annual Educational Total Charge	<u>42,683.37</u>

<b>Church</b>		<b>Other Utility Receipts (Leins, etc.)</b>	
Number of Users	17		120,898
Service Charge	<u>7.10</u>		
Total Monthly Revenue for Service Charge	121	Total Non-Residential Annual Revenue	<u>1,454,820.50</u>
Annual Revenue for Service Charge	1,448.40	Total Sewer Annual Revenue	<u>3,585,010.10</u>
Number of Users	17		
Flow Charges	4.05		
Consumption above Minimum	<u>165.54</u>		
	670.45		
Annual Consumption Charge	8,045.39		
Annual Church Total Charge	<u>9,493.79</u>		

<b>Revenue from Trash</b>	
Users	4,213.00
Monthly Charge	<u>15.00</u>
	63,195.00
Annual Revenue	758,340.00
<b>Total Sewer and Trash Revenue</b>	<u>4,343,350.10</u>

\* Users and consumption is based on reports provided by the City of Beech Grove Utility Department

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
 APPENDIX G - REVENUE CALCULATION RATE 2019  
 WASTEWATER UTILITY RATE STUDY  
 Revised February 9, 2017 (DRAFT)

	Flat Rate
<b>Residential Users</b>	
Number of Users	4,306
Service Charge / Flat Rate	<u>37.99</u>
Total Monthly Revenue for Service Charge / Flat Rate	163,578
Annual Revenue for Service Charge / Flat Rate	1,962,941.77
Adjustment for other residential revenue	\$ (63,142.70)
Total Annual Residential Charge	<u>1,899,799.07</u>

**Non-Residential**

<b>Commercial</b>		<b>Industrial</b>	
Number of Users	388	Number of Users	8
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	2,755	Total Monthly Revenue for Service Charge	57
Annual Revenue for Service Charge	33,057.60	Annual Revenue for Service Charge	681.60
Number of Users	388	Number of Users	8
Flow Charges	3.79	Flow Charges	3.79
Consumption above Minimum	<u>22,654.78</u>	Consumption above Minimum	<u>2,479.49</u>
	85,861.60		9,307.28
Annual Consumption Charge	1,030,339.25	Annual Consumption Charge	112,767.31
Adjustment for other Commercial revenue	79,934.46	Adjustment for other Industrial revenue	40,098.84
Annual Commercial Total Charge	<u>1,143,331.31</u>	Annual Industrial Total Charge	<u>153,547.75</u>

<b>Government</b>		<b>Multi-Family</b>	
Number of Users	13	Number of Users	15
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	92	Total Monthly Revenue for Service Charge	107
Annual Revenue for Service Charge	1,107.60	Annual Revenue for Service Charge	1,278.00
Number of Users	13	Number of Users	15
Flow Charges	3.79	Flow Charges	3.79
Consumption above Minimum	<u>235.19</u>	Consumption above Minimum	<u>\$ 119</u>
	891.36		450.02
Annual Consumption Charge	10,696.30	Annual Consumption Charge	5,400.26
Adjustment for other Government revenue	\$ (2,038)	Adjustment for other Multi-Family	6,752.49
Annual Government Total Charge	<u>9,766.35</u>	Annual Multi-Family Total Charge	<u>13,430.75</u>

<b>Public Fire</b>		<b>Educational</b>	
Number of Users	2	Number of Users	10
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	14	Total Monthly Revenue for Service Charge	71
Annual Revenue for Service Charge	170.40	Annual Revenue for Service Charge	852.00
Number of Users	2	Number of Users	10
Flow Charges	3.79	Flow Charges	3.79
Consumption above Minimum	<u>81.85</u>	Consumption above Minimum	<u>860.73</u>
	310.21		3,262.16
Annual Consumption Charge	3,722.49	Annual Consumption Charge	39,145.90
Annual Public Fire Total Charge	<u>3,892.89</u>	Annual Educational Total Charge	<u>39,997.90</u>

<b>Church</b>		<b>Other Utility Receipts (Leins, etc.)</b>	
Number of Users	17		120,898
Service Charge	<u>7.10</u>	Total Non-Residential Annual Revenue	<u>1,372,944.25</u>
Total Monthly Revenue for Service Charge	121	Total Sewer Annual Revenue	<u>3,393,640.88</u>
Annual Revenue for Service Charge	1,448.40		
Number of Users	17		
Flow Charges	3.79		
Consumption above Minimum	<u>165.54</u>		
	627.41		
Annual Consumption Charge	7,528.90		
Annual Church Total Charge	<u>8,977.30</u>		

<b>Revenue from Trash</b>	
Users	4,213.00
Monthly Charge	<u>15.00</u>
	63,195.00
Annual Revenue	758,340.00
<b>Total Sewer and Trash Revenue</b>	<u>4,151,980.88</u>

\* Users and consumption is based on reports provided by the City of Beech Grove Utility Department

CITY OF BEECH GROVE, MARION COUNTY, INDIANA  
 APPENDIX G - REVENUE CALCULATION RATE 2017  
 WASTEWATER UTILITY RATE STUDY  
 Revised February 9, 2017 (DRAFT)

Flat Rate	
<b>Residential Users</b>	
Number of Users	4,306
Service Charge / Flat Rate	<u>35.79</u>
Total Monthly Revenue for Service Charge	154,103
Annual Revenue for Service Charge / Flat Rate	1,849,237.54
Adjustment for other residential revenue	\$ (63,142.70)
Total Annual Residential Charge	<u>1,786,094.84</u>

**Non-Residential**

<b>Commercial</b>		<b>Industrial</b>	
Number of Users	388	Number of Users	8
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	2,755	Total Monthly Revenue for Service Charge	57
Annual Revenue for Service Charge	33,057.60	Annual Revenue for Service Charge	681.60
Number of Users	388	Number of Users	8
Flow Charges	3.52	Flow Charges	3.52
Consumption above Minimum	<u>22,654.78</u>	Consumption above Minimum	<u>2,479.49</u>
	79,744.81		8,727.81
Annual Consumption Charge	956,937.77	Annual Consumption Charge	104,733.76
Adjustment for other Commercial revenue	79,934.46	Adjustment for other Industrial revenue	40,098.84
Annual Commercial Total Charge	<u>1,069,929.83</u>	Annual Industrial Total Charge	<u>145,514.20</u>

<b>Government</b>		<b>Multi-Family</b>	
Number of Users	13	Number of Users	15
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	92	Total Monthly Revenue for Service Charge	107
Annual Revenue for Service Charge	1,107.60	Annual Revenue for Service Charge	1,278.00
Number of Users	13	Number of Users	15
Flow Charges	3.52	Flow Charges	3.52
Consumption above Minimum	<u>235.19</u>	Consumption above Minimum	<u>\$ 125</u>
	827.86		450.02
Annual Consumption Charge	9,934.29	Annual Consumption Charge	5,400.26
Adjustment for other Government revenue	\$ (1,276)	Adjustment for other Multi-Family	6,752.49
Annual Government Total Charge	<u>9,766.35</u>	Annual Multi-Family Total Charge	<u>13,430.75</u>

<b>Public Fire</b>		<b>Educational</b>	
Number of Users	2	Number of Users	10
Service Charge	<u>7.10</u>	Service Charge	<u>7.10</u>
Total Monthly Revenue for Service Charge	14	Total Monthly Revenue for Service Charge	71
Annual Revenue for Service Charge	170.40	Annual Revenue for Service Charge	852.00
Number of Users	2	Number of Users	10
Flow Charges	3.52	Flow Charges	3.52
Consumption above Minimum	<u>81.85</u>	Consumption above Minimum	<u>860.73</u>
	288.11		3,029.76
Annual Consumption Charge	3,457.30	Annual Consumption Charge	36,357.14
Annual Public Fire Total Charge	<u>3,627.70</u>	Annual Educational Total Charge	<u>37,209.14</u>

<b>Church</b>		<b>Other Utility Receipts (Leins, etc.)</b>	
Number of Users	17		120,898
Service Charge	<u>7.10</u>		
Total Monthly Revenue for Service Charge	121	Total Non-Residential Annual Revenue	<u>1,287,918.91</u>
Annual Revenue for Service Charge	1,448.40	Total Sewer Annual Revenue	<u>3,194,911.30</u>
Number of Users	17		
Flow Charges	3.52		
Consumption above Minimum	<u>165.54</u>		
	582.71		
Annual Consumption Charge	6,992.54		
Annual Church Total Charge	<u>8,440.94</u>		

<b>Revenue from Trash</b>	
Users	4,213.00
Monthly Charge	<u>15.00</u>
	63,195.00
Annual Revenue	758,340.00

<b>Total Sewer and Trash Revenue</b>	<u>3,953,251.30</u>
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