



12 South Center Street
Bensenville, IL 60106

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VILLAGE BOARD

September 3, 2019

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Mr. James Brill
White Pines Community Alliance

Re: September 2, 2019 FOIA Request

Dear Mr. Brill:

I am pleased to help you with your September 2, 2019 Freedom of Information Act ("FOIA"). The Village of Bensenville received your request on September 3, 2019. You requested copies of the items indicated below:

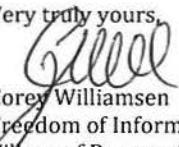
"Any document submitted, written or received related to the case of Gina Mellenthin vs The Village of Bensenville or any of its employees, trustees or board members, between the dates of August 15, 2019 and this present date that have not already been sent to the White Pines Community Alliance in response to previous FOIA requests."

After a search of Village files, the following information was found responsive to your request:

- 1) DuPage County Circuit Court Case No. 18CH001065 Amended Complaint Dated 8/30/2019. (165 pgs.)

These are all the records found responsive to your request.

Do not hesitate to contact me if you have any questions or concerns in connection with this response.

Very truly yours,

Corey Williamsen
Freedom of Information Officer
Village of Bensenville

IN THE CIRCUIT COURT OF THE EIGHTEENTH JUDICIAL DISTRICT
DUPAGE COUNTY, WHEATON, ILLINOIS

GINA MELLENTHIN, KURT IGLEMAN,
CELESTE SHAW, AND PHIL ADCOCK,

Plaintiffs,

v.

VILLAGE OF BENSENVILLE

Defendant.

No.: 18 CH 001065

Judge Bonnie Wheaton

AMENDED COMPLAINT

NOW COMES, the Plaintiffs, GINA MELLENTHIN, KURT IGLEMAN, CELESTE SHAW, AND PHIL ADCOCK, pleading in the alternative pursuant to 735 ILCS 5/2-613, by and through their attorneys, Matton and Werwas, P.C., with their Amended Complaint, and in support thereof state as follows:

PARTIES

1. Village of Bensenville is a municipality located in DuPage County.
2. Gina Mellenthin is a resident of unincorporated Bensenville of DuPage County.
3. Kurt Igleman is a resident of unincorporated Bensenville of DuPage County.
4. Celeste Shaw is a resident of unincorporated Bensenville of DuPage County.
5. Phil Adcock is a resident of unincorporated Bensenville of DuPage County.

Chris Kachiroubas
e-filed in the 18th Judicial Circuit Court
DuPage County
ENVELOPE: 6399572
2018CH001065
FILEDATE: 8/30/2019 12:31 PM
Date Submitted: 8/30/2019 12:31 PM
Date Accepted: 8/30/2019 2:04 PM
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FACTS

6. The Plaintiffs in this lawsuit are similarly situated Plaintiffs and are all unincorporated owners within the Village of Bensenville.
7. The Village of Bensenville is in charge of the unincorporated owners water service.
8. The Plaintiff unincorporated owners cannot vote for the Village of Bensenville representatives and trustees.
9. The Plaintiff unincorporated owners have been contributing funds through their water bill to a capital fund called “Unincorporated Utility Fund” for capital improvements to the unincorporated owners water system.
10. The Unincorporated Utility Fund was established in the 1980’s to finance major capital improvements to the water system exclusively in unincorporated areas. See Group Exhibit A.
11. The Unincorporated Utility Fund is defined as “accounts for deposits made by the unincorporated water and sewer utility users with the intent of providing various water and sewer system improvements that would directly benefit those depositors. See Exhibit B.
12. The amounts paid into the Unincorporated Utility Fund is set forth via Ordinance. See Group Exhibit C.
13. The Village of Bensenville refuses to answer questions regarding the water rates and formulas from inception through today. See Exhibit D.
14. The Village of Bensenville trustees and representatives are supposed to put the funds received from the unincorporated owners into the Unincorporated Utility Fund.

15. The Village of Bensenville trustees and representatives have not been putting the funds received from the unincorporated owners into the Unincorporated Utility Fund. See Group Exhibit E.

16. The amount that is showing at the end of year 2017 in the Unincorporated Utility Fund is \$912,081. See Group Exhibit E.

17. From at least 2013 through the present, the receivables are \$0 that have been attributed by the Village of Bensenville to the Unincorporated Utility Fund. See Group Exhibit E.

18. There should be approximately an additional \$300,000.00 in the Unincorporated Utility Fund because for the years 2013 through the present, \$0 were attributed by the Village of Bensenville to the Unincorporated Utility Fund.

19. There should be approximately an additional \$60,000.00 of funds attributed each year for years 2013 through the present by the Village of Bensenville to the Unincorporated Utility Fund.

COUNT I (BREACH OF FIDUCIARY DUTY)

20. Plaintiffs restate and incorporate paragraphs 1 through 19 herein.

21. Defendant has knowingly and recklessly and in bad faith violated fiduciary duties of care, loyalty, good faith, and independence owed to the Plaintiff unincorporated owners.

22. Defendant has breached its fiduciary duties of loyalty, good faith, and independence owed to the Plaintiffs because it did not place the funds received from Plaintiffs into the Unincorporated Utility Fund.

23. As a result of the Defendant's breach of its fiduciary duties, Plaintiffs have and will continue to suffer irreparable injury in that the monies that have been paid to the Unincorporated Utility Fund have disappeared.

24. At least \$300,000.00 that is supposed to be used to pay for capital improvements to the unincorporated residents' water system is missing from the Unincorporated Utility Fund.

25. Unless enjoined by this Court, the Defendant will continue to breach its fiduciary duty owed to Plaintiffs to the irreparable harm of Plaintiffs and will continue to do so until Defendant conforms with the intention of the Unincorporated Utility Fund.

COUNT II (BREACH OF CONTRACT)

26. Plaintiffs restate and incorporate paragraphs 1 through 19 herein.

27. Because Plaintiffs' were required to pay into the Unincorporated Utility Fund by the Village of Bensenville, a contract was formed with each Plaintiff.

28. Each Plaintiff performed by paying their share into the Unincorporated Utility Fund.

29. Defendant breached its contract with each Plaintiff by misallocating at least \$300,000.00 from 2013 through the present, creating a loss for each Plaintiff.

30. As a result of the Defendant's breach, Plaintiffs have and will continue to suffer irreparable injury in that the monies that have been paid to the Unincorporated Utility Fund have disappeared.

31. As a direct and proximate cause of Defendant's actions, and as of today, Plaintiffs incurred damages in an amount of at least \$300,000.00.

COUNT III (UNJUST ENRICHMENT)

32. Plaintiffs restate and incorporate paragraphs 1 through 19 herein.

33. Because Plaintiffs' were required to pay into the Unincorporated Utility Fund by the Village of Bensenville, an agreement was formed with each Plaintiff.

34. Each Plaintiff performed by paying their share into the Unincorporated Utility Fund.

35. Defendant breached its agreement with each Plaintiff by misallocating at least \$300,000.00 from 2013 through the present, unjustly enriching itself to the detriment of each Plaintiff.

36. As a result of the Defendant's breach, Plaintiffs have and will continue to suffer irreparable injury in that the monies that have been paid to the Unincorporated Utility Fund have disappeared.

37. As a direct and proximate cause of Defendant's actions, and as of today, Plaintiffs incurred damages in an amount of at least \$300,000.00.

WHEREFORE, Plaintiffs, GINA MELLENTHIN, KURT IGLEMAN, CELESTE SHAW, and PHIL ADCOCK, ask this court to enter an Order against Defendant for a full accounting and return of the funds to the Unincorporated Utility Fund and for whatever else this Court deems just.

Respectfully submitted,

/s/ Keith H. Werwas

Keith H. Werwas

Matton and Werwas, P.C.
Attorneys for Plaintiff, Mellenthin
134 N. LaSalle Street
Suite 1040
Chicago, IL 60602
(312)236-6800
kwerwas@mattonandwerwas.com
DuPage Attorney No.: 328992

STATE OF ILLINOIS

UNITED STATES OF AMERICA
IN THE CIRCUIT COURT OF THE EIGHTEENTH JUDICIAL CIRCUIT

COUNTY OF DU PAGE

Gina Mellenthin, Kurt Igleman, Celeste Shaw, et al

+

Plaintiff,

v.

Village of Bensenville

Defendant,

18 CH 001065

Case Number

Chris Kachiroubas
e-filed in the 18th Judicial Circuit Court
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ENVELOPE: 6399572
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EXHIBIT COVER SHEET

Local Court Rules 5.06 and 5.09

EXHIBIT NAME: Group Exhibit A

TITLE OF DOCUMENT THIS EXHIBIT BELONGS WITH:

Amended Complaint

Document File Date: August 30, 2019

(The file date of the document this exhibit belongs with)

EXHIBIT FILED ON BEHALF OF: Gina Mellenthin, Kurt Igleman, Celeste Shaw, and Phil Adcock

(Case Party Name)

Submitted by: Keith H. Werwas

Name: Matton and Werwas, P.C. Pro Se

DuPage Attorney Number: 328992

Attorney for: Plaintiffs

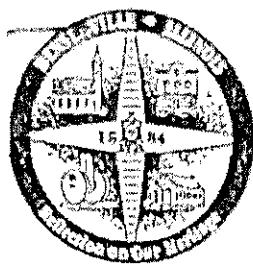
Address: 134 N. LaSalle Street, Suite 1040

City/State/Zip: Chicago, IL 60602

Telephone Number: 312-236-6800

Email: kwerwas@mattonandwerwas.com

GROUP EXHIBIT A



Village of Bensenville

700 W. Irving Park Road
Bensenville, Illinois 60106
(708) 766-3300 Fax (708) 760-8260



July 16, 1996

Unincorporated Water and Sewer Customer

RE: Unincorporated Utility Reserve

As many of you know, the Village has collected a surcharge on water and sewer since the late 1980's to finance major capital improvements to the water system exclusively in unincorporated areas. These funds have been used for the looping of water mains which improves the flow, thereby enhancing water quality and provides a more dependable fire flow. This work is a prelude to the water main work that primarily needs to be done in the White Pines portion of our unincorporated utility area for the redirecting of the water transmission system from rear yards to the street.

Again for those of you who are not aware of the history, there were numerous water main breaks in rear yards in past years that were the result oftentimes of old pipe in "hot" or acidic soil which breaks down the metal material of the pipe. Also when a water main break took place in people's rear yards, significant damage was done to not only the easement at the rear of people's yards, but also from having a backhoe enter onto people's properties to excavate for the repair. For both of the aforementioned reasons, the long term plan is to replace water mains in the street right-of-way as funds are accumulated.

Attached you will find the list of projects that benefit your area. We have funded projects for the unincorporated areas as funds become available. As of this date, reserves are \$107,456. When enough funds become available, we will fund the next unincorporated project.

Unfortunately as with many topics of discussion, people have distorted the facts concerning the unincorporated utility reserve. We have not used these funds for repair or replacement of individual hydrants, except as part of an extension of water main service in an unincorporated area, or for any of the water main breaks or valve problems that we encountered in your development. All of the aforementioned work, with the exclusion noted, is part of our routine maintenance and paid for by the general water and sewer fees, not with the surcharge.

I hope the aforementioned information and the attached numbers answer many of the questions that have been asked. Several times in the past, we have presented information at meetings concerning the unincorporated utility reserve and have discussed this issue with several individual homeowners in the unincorporated areas. If you should have any further questions, please contact the undersigned or Tom Truty, Director of Management Services, at 766-8200.

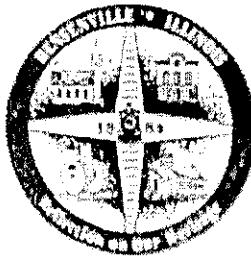
Sincerely yours,

Michael S. Allison
Village Manager

MSA/ld

Attachment: Accounting Unincorporated Utility Reserve

cc: President and Village Board
Tom Truty, Director of Management Services
Paul Bourke, Director of Public Works
Robert Glees, Director of Community Development



Village of Bensenville

100 W. Irving Park Road
Bensenville, Illinois 60106
(708) 768-8200 Fax (708) 229-4289



August 27, 1997

Unincorporated Water and Sewer Customers

In July of 1996 and January of 1997, I sent you correspondence in reference to the status of the unincorporated utility reserve, including in the January correspondence a list of priorities for unincorporated utility improvements. The purpose of these two letters were, first, to outline again the basis of the unincorporated utility reserve and, secondly, to point out specific projects that we were identifying for future construction.

Again, there seems to be a problem with people's perception as it pertains to both the surcharge and the use of these funds. As we stated in the original correspondence of December 21, 1986, we have established a fund to "deposit monies from the line replacement charge to perform these improvements in the system." There has been a contention that the improvements do not directly benefit some of the specific areas within the unincorporated area served by the Village, such as White Pines. As I indicated in the 1986 letter, the funding is very limited and these improvements will be very slow in occurring because of the large dollar amount needed, approximately \$2.5 million at this time, versus a collection of approximately \$60,000 per year. To date, we have spent \$329,000 on projects. The improvements constructed to date, while positively impacting a number of homes, also provide an overall benefit to the unincorporated system since they reduce dead-end mains in a number of areas and provide a more reliable water source for both fire flow and domestic use. In other words, we first need to improve the delivery system for the unincorporated area and then, as needed, we will work on line replacement or extension on a priority basis.

The process of improvements can be expedited by increasing the monthly surcharge. We will entertain any interest in changing the surcharge to accomplish a shorter improvement schedule.

There has also been an accusation made that we are contemplating extending the lines north of Third Avenue to encourage annexation. At this time, many of the homes that either benefit from current water service or do not have water service are not contiguous with the Village of Bensenville and, therefore, could not annex into the Village. Again, it is our desire to increase the reliability of the system and this first addresses the delivery of water which means reducing dead-end mains which exist in a number of areas north of Third Avenue.

As of this date, the President and Village Board have not decided on specific projects to proceed with in 1998, however, my previous correspondence provides a general outline of unincorporated priority improvements. We will only be able to do a limited number of these projects in 1998.

We want to emphasize that we have been consistent in our application of these funds for unincorporated improvements and are proceeding with these improvements on a priority basis. Please call if you should have any questions or comments.

Sincerely yours,


Michael S. Allison
Village Manager

STATE OF ILLINOIS	UNITED STATES OF AMERICA	COUNTY OF DU PAGE
IN THE CIRCUIT COURT OF THE EIGHTEENTH JUDICIAL CIRCUIT		
Gina Mellenthin, Kurt Igleman, Celeste Shaw, et al + Plaintiff, v. Village of Bensenville Defendant,	18 CH 001065 Case Number	Chris Kachiroubas e-filed in the 18th Judicial Circuit Court DuPage County ENVELOPE: 6399572 2018CH001065 FILEDATE: 8/30/2019 12:31 PM Date Submitted: 8/30/2019 12:31 PM Date Accepted: 8/30/2019 2:04 PM MP File Stamp Here

EXHIBIT COVER SHEET

Local Court Rules 5.06 and 5.09

EXHIBIT NAME: Exhibit B

TITLE OF DOCUMENT THIS EXHIBIT BELONGS WITH:

Amended Complaint

Document File Date: August 30, 2019

(The file date of the document this exhibit belongs with)

EXHIBIT FILED ON BEHALF OF: Gina Mellenthin, Kurt Igleman, Celeste Shaw, and Phil Adcock

(Case Party Name)

Submitted by: Keith H. Werwas

Name: Matton and Werwas, P.C. Pro Se

DuPage Attorney Number: 328992

Attorney for: Plaintiffs

Address: 134 N. LaSalle Street, Suite 1040

City/State/Zip: Chicago, IL 60602

Telephone Number: 312-236-6800

Email: kwerwas@mattonandwerwas.com

EXHIBIT B

NON-MAJOR SPECIAL REVENUE FUNDS

A SPECIAL REVENUE FUND IS USED TO FINANCE PARTICULAR ACTIVITIES AND IS CREATED OUT OF REVENUE OF SPECIFIC TAXES OR OTHER EARMARKED REVENUE. SUCH FUNDS ARE AUTHORIZED BY STATUTORY PROVISIONS TO PAY FOR CERTAIN ACTIVITIES WITH SOME SPECIAL FORM OF CONTINUING REVENUE. THE FOLLOWING ARE THE VILLAGE'S ACTIVE SPECIAL REVENUE FUNDS:

Dial-A-Bus Fund - Accounts for the subsidies received from PACE and bus fares collected to fund operating costs of the local transit system.

Motor Fuel Tax Fund - Accounts for the state allotments used to fund street maintenance approved by the State of Illinois.

Illinois Municipal Retirement Fund - Accounts for the specific levy of taxes to fund payments to the state controlled Pension Fund.

Social Security Retirement Fund - Accounts for the specific levy of taxes to fund payments to the federal controlled Pension Fund.

Police Forfeiture Fund - Accounts for monies received from drug seizures to fund drug prevention programs.

Unincorporated Utility Fund - Accounts for deposits made by the unincorporated water and sewer utility users with the intent of providing various water and sewer system improvements that would directly benefit those depositors.

STATE OF ILLINOIS

UNITED STATES OF AMERICA
IN THE CIRCUIT COURT OF THE EIGHTEENTH JUDICIAL CIRCUIT

COUNTY OF DU PAGE

Gina Mellenthin, Kurt Igleman, Celeste Shaw, et al

Plaintiff,

v.

Village of Bensenville

Defendant,

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EXHIBIT COVER SHEET

Local Court Rules 5.06 and 5.09

EXHIBIT NAME: Group Exhibit C

TITLE OF DOCUMENT THIS EXHIBIT BELONGS WITH:

Amended Complaint

Document File Date: August 30, 2019

(The file date of the document this exhibit belongs with)

EXHIBIT FILED ON BEHALF OF: Gina Mellenthin, Kurt Igleman, Celeste Shaw, and Phil Adcock

(Case Party Name)

Submitted by: Keith H. Werwas

Name: Matton and Werwas, P.C. Pro Se

DuPage Attorney Number: 328992

Attorney for: Plaintiffs

Address: 134 N. LaSalle Street, Suite 1040

City/State/Zip: Chicago, IL 60602

Telephone Number: 312-236-6800

Email: kwerwas@mattonandwerwas.com

GROUP EXHIBIT C

**VILLAGE OF BENSENVILLE
12 S. CENTER STREET
BENSENVILLE, ILLINOIS 60106**

Ordinance No. 30-2014

**An Ordinance Amending Municipal Water/Sewer Rates of the Village of Bensenville,
Counties of Cook and DuPage, Illinois**

**ADOPTED BY THE
VILLAGE BOARD OF TRUSTEES
OF THE
VILLAGE OF BENSENVILLE
THIS 24th DAY OF JUNE, 2014**

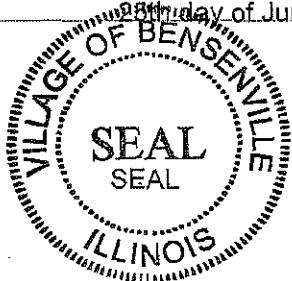
Published in pamphlet form by authority of the President and Board of Trustees of the Village of
Bensenville, DuPage and Cook Counties, Illinois this 25th day of June 2014

STATE OF ILLINOIS)
COUNTIES OF COOK)
SS AND DUPAGE)

I, Corey Williamsen, do hereby certify that I am the duly appointed Deputy Village Clerk of the Village of Bensenville, DuPage and Cook Counties, Illinois, and as such officer, I am the keeper of the records and files of said Village; I do further certify that the foregoing constitutes a full, true and correct copy of Ordinance No. 30-2014 entitled an ordinance amending Municipal Water/Sewer Rates of the Village of Bensenville, Counties of Cook and DuPage, Illinois.

IN WITNESS WHEREOF, I have hereunto affixed my official hand and seal on this

28th day of June, 2014



Corey Williamsen
Deputy Village Clerk

AN ORDINANCE AMENDING MUNICIPAL WATER/SEWER RATES OF THE VILLAGE OF BENSENVILLE, COUNTIES OF COOK AND DUPAGE, ILLINOIS

WHEREAS, pursuant to the Illinois Municipal Code, 65 ILCS 5/1-1-1, *et seq.*, the Village of Bensenville (the "Village") owns and operates sewerage and waterworks facilities (the "System") within and outside the municipal boundaries of the Village; and

WHEREAS, the Illinois Municipal Code at Division 139 grants the Village the authority to charge its inhabitants a reasonable compensation for the use and service of the System and to establish rates for that purpose; and

WHEREAS, the Village has carefully considered the findings and recommendations of the Baxter & Woodman, Inc. 2014 Village of Bensenville Water & Sewer Rate Study, (the "Baxter & Woodman Study");

WHEREAS, the Village has carefully considered its own experience in operating and maintaining the System and the revenues and expenses associated therewith, together with the current condition of the System,

BE IT AND IT IS HEREBY ORDAINED by the President and Board of Trustees of the Village of Bensenville, Counties of DuPage and Cook, Illinois, as follows:

SECTION ONE: AMENDMENT OF RATES. For the purpose of establishing the rates hereinafter set forth, the Village's Corporate Authorities hereby adopt the findings and recommendations contained in the Baxter & Woodman Study heretofore incorporated herein as Exhibit "A" for the use of, and for the service supplied by, the waterworks system of the Village and the same are hereby amended, in part, as provided for herein. Annually, the Finance Director shall evaluate the system revenues, expenses and fund balance against projections. The Director shall issue a report of findings to the Village Board at least one month prior to the scheduled annual rate increase at which time the Board can determine whether the scheduled annual rate increase needs to be revised.

SECTION TWO: In accordance with the provisions hereof, Section 8-7-7 of the Bensenville Village Code, as amended, as follows

A. WATER RATES WITHIN CORPORATE LIMITS

1. 2014 Water Commodity Charges (effective July 1, 2014):

a. First 10,000 gallons per month	\$6.19 per 1,000 gallons
b. Above 10,000 gallons per month	\$7.12 per 1,000 gallons

2. Monthly Fixed Charges:

a.	5/8 inch and 3/4 inch meter size Fixed charge	\$2.62
b.	1-inch meter size Fixed charge	\$8.81
c.	1-1/2 inch meter size Fixed charge	\$17.43
d.	2-inch meter size Fixed charge	\$27.95
e.	3-inch meter size Fixed charge	\$52.50
f.	4-inch meter size Fixed charge	\$87.56
g.	6-inch meter size Fixed charge	\$174.95

Senior Citizen Residential Accounts (over age 65):

h. Fixed charge	\$2.62
Deduction from Total Bill	\$1.54

3. Future Water Rates:

a. Water rates for customers within the corporate limits will be further revised once per year according to the following schedule.

Item	As of January 1, 2015	As of January 1, 2016	As of January 1, 2017	As of January 1, 2018	As of January 1, 2019	As of January 1, 2020
Water Commodity Charge, First 10,000 gallons per month, per 1,000 gallons	\$6.65	\$7.15	\$7.69	\$8.27	\$8.89	\$9.56
Water Commodity Charge, Above 10,000 gallons, per 1,000 gallons	\$7.65	\$8.22	\$8.84	\$9.5	\$10.21	\$10.98
Monthly Fixed Charges (per Meter Size)						
5/8 inch and 3/4 inch	\$2.82	\$3.03	\$3.26	\$3.50	\$3.76	\$4.04
1 inch meter	\$9.47	\$10.18	\$10.94	\$11.76	\$12.64	\$13.59
1 1/2 inch meter	\$18.74	\$20.15	\$21.66	\$23.28	\$25.03	\$26.91
2 inch meter	\$30.05	\$32.30	\$34.72	\$37.32	\$40.12	\$43.13
3 inch meter	\$56.44	\$60.67	\$65.22	\$70.11	\$75.37	\$81.02

4 inch meter	\$94.13	\$101.19	\$108.78	\$116.94	\$125.71	\$135.14
6 inch meter	\$188.07	\$202.18	\$217.34	\$233.64	\$251.16	\$270.00
Senior Citizen Fixed Charge Deduction	(\$1.54)	(\$1.54)	(\$1.54)	(\$1.54)	(\$1.54)	(\$1.54)

B. WATER RATES OUTSIDE CORPORATE LIMITS (RESIDENTIAL)

1. 2014 Water Commodity Charges (effective January 1, 2015) established at 150% of Corporate Limit Rates:

a. First 10,000 gallons per month \$9.98 per 1,000 gallons
b. Above 10,000 gallons per month \$11.48 per 1,000 gallons

2. Monthly Fixed Charges (effective January 1, 2015) established at 150% of Corporate Limit Monthly Fixed Charges:

a. 5/8 inch and 3/4 inch meter size	
Fixed charge	\$4.23
b. 1-inch meter size	
Fixed charge	\$14.21
c. 1-1/2 inch meter size	
Fixed charge	\$28.11
d. 2-inch meter size	
Fixed charge	\$45.08
e. 3-inch meter size	
Fixed charge	\$84.66
f. 4-inch meter size	
Fixed charge	\$141.20
g. 6-inch meter size	
Fixed charge	\$282.11

3. Future Water Rates:

a. Water rates for residential customers outside the corporate limits will be further revised once per year according to the following schedule.

Item	As of January 1, 2015	As of January 1, 2016	As of January 1, 2017	As of January 1, 2018	As of January 1, 2019	As of January 1, 2020
Water Commodity Charge, First 10,000 gallons per month, per 1,000 gallons	\$9.98	\$10.73	\$11.54	\$12.41	\$13.34	\$14.34
Water Commodity Charge, Above 10,000 gallons, per 1,000 gallons	\$11.48	\$12.33	\$13.26	\$14.25	\$15.31	\$16.47
Monthly Fixed Charges (per Meter Size)						
5/8 inch and 3/4 inch	\$4.23	\$4.55	\$4.89	\$5.25	\$5.64	\$6.06
1 inch meter	\$14.21	\$15.27	\$16.41	\$17.64	\$18.96	\$20.39
1 1/2 inch meter	\$28.11	\$30.23	\$32.49	\$34.92	\$37.55	\$40.37
2 inch meter	\$45.08	\$48.45	\$52.08	\$55.98	\$60.18	\$64.70
3 inch meter	\$84.66	\$91.01	\$97.83	\$105.17	\$113.06	\$121.53
4 inch meter	\$141.20	\$151.79	\$163.17	\$175.41	\$188.57	\$202.71
6 inch meter	\$282.11	\$303.27	\$326.01	\$350.46	\$376.74	\$405.00

C. WATER RATES OUTSIDE CORPORATE LIMITS (NON-RESIDENTIAL)

1. Same as established in SECTION TWO.B. above.

CAPITAL RECOVERY CHARGES WITHIN CORPORATE LIMITS

1. 2014 Capital Recovery Charges (effective July 1, 2014 within the Corporate Limits (regardless of usage volume):

a. Water capital recovery charge	\$2.56 per 1,000 gallons
b. Wastewater capital recovery charge	\$2.77 per 1,000 gallons

2. Non-metered Accounts:

a. Flat rate per month – 9,000 gallons minimum	
1. Water Capital Recovery	\$23.04
2. Wastewater capital recovery	\$24.93
3. Total Capital Recovery Rate per month	\$47.97

3. Future Capital Recovery Charges:

- a. Capital recovery charges for customers within the corporate limits will be further revised once per year according to the following schedule.

Item	As of January 1, 2015	As of January 1, 2016	As of January 1, 2017	As of January 1, 2018	As of January 1, 2019	As of January 1, 2020
Water Capital Recovery Charge, Per 1,000 gallons	\$2.75	\$2.96	\$3.18	\$3.42	\$3.68	\$3.96
Wastewater Recovery Charge, Per 1,000 gallons	\$2.98	\$3.20	\$3.44	\$3.70	\$3.98	\$4.28

D. CAPITAL RECOVERY CHARGES OUTSIDE CORPORATE LIMITS

1. 2014 Fixed Capital Recovery (effective July 1, 2014 – December 31, 2014) outside the Corporate Limits (regardless of usage volume) charge of \$19.39 per month.
2. 2014 Capital Recovery Charges (January 1, 2015 outside the Corporate Limits (regardless of usage volume) established at 150% of Corporate Capital Recovery Charges:

a. Water Capital Recovery Charge	\$3.84 per 1,000 gallons
b. Wastewater Capital Recovery Charge	\$4.16 per 1,000 gallons

3. Non-metered Accounts:

a. Flat rate per month – 9,000 gallons minimum	
1. Water Capital Recovery	\$34.56
2. Wastewater capital recovery	\$37.40
Total Capital Recovery Rate per month	\$71.96

3. Future Capital Recovery Charges:

a. Capital recovery charges for customers within the corporate limits will be further revised once per year according to the following schedule:

Item	As of January 1, 2015	As of January 1, 2016	As of January 1, 2017	As of January 1, 2018	As of January 1, 2019	As of January 1, 2020
Water Capital Recovery Charge, Per 1,000 gallons	\$3.84	\$4.13	\$4.44	\$4.77	\$5.13	\$5.52
Wastewater Recovery Charge, Per 1,000 gallons	\$4.47	\$4.80	\$5.16	\$5.55	\$5.97	\$6.42

SECTION THREE: In accordance with the provisions hereof, Section 8-6-23-4 of the Bensenville Village Code is hereby amended follows:

A. SEWER/WASTEWATER RATES WITHIN THE CORPORATE LIMITS:

1. 2014 Wastewater Commodity Charges (effective July 1, 2014):
 - a. First 10,000 gallons per month \$4.89 per 1,000 gallons
 - b. Above 10,000 gallons per month \$5.62 per 1,000 gallons
2. Monthly Fixed Bills per month:
 - a. 5/8 inch and 3/4 inch meter size
Fixed charge \$5.21
 - b. 1-inch meter size
Fixed charge \$17.32
 - c. 1-1/2 inch meter size
Fixed charge \$34.87
 - d. 2-inch meter size
Fixed charge \$55.73
 - e. 3-inch meter size
Fixed charge \$104.36
 - f. 4-inch meter size
Fixed charge \$173.87
 - g. 6-inch meter size
Fixed charge \$347.99

3. Non-metered Accounts:

a. Flat rate per month	
1. Fixed charge	\$4.89
2. <u>9,000 gallons</u>	<u>\$44.01</u>
Total flat rate per month	\$44.01

4. Future Wastewater Rates:

a. Wastewater rates for customers within the corporate limits will be further revised once per year according to the following schedule.

Item	As of January 1, 2015	As of January 1, 2016	As of January 1, 2017	As of January 1, 2018	As of January 1, 2019	As of January 1, 2020
Wastewater Commodity Charge, First 10,000 gallons per month, per 1,000 gallons	\$5.26	\$5.65	\$6.07	\$6.53	\$7.02	\$7.55
Wastewater Commodity Charge, Above 10,000 gallons, per 1,000 gallons	\$6.04	\$6.49	\$6.98	\$7.50	\$8.06	\$8.66
Monthly Fixed Charges (per Meter Size)						
5/8 inch and 3/4 inch	\$5.60	\$6.02	\$6.47	\$6.96	\$7.48	\$8.04
1 inch meter	\$18.62	\$20.02	\$21.52	\$23.13	\$24.86	\$26.72
1 1/2 inch meter	\$37.49	\$40.30	\$43.32	\$46.57	\$50.06	\$53.81
2 inch meter	\$59.91	\$64.40	\$69.23	\$74.42	\$80.00	\$86.00
3 inch meter	\$112.19	\$120.60	\$129.65	\$139.37	\$149.82	\$161.06
4 inch meter	\$186.91	\$200.93	\$216.00	\$232.20	\$249.62	\$268.34
6 inch meter	\$374.09	\$402.15	\$432.31	\$464.73	\$499.58	\$537.05

B. SEWER/WASTEWATER RATES OUTSIDE THE CORPORATE LIMITS:

1. 2014 Wastewater Commodity Charges (January 1, 2015) established at 150% of the Corporate Rates:

a. First 10,000 gallons per month	\$7.34 per 1,000 gallons
b. Above 10,000 gallons per month	\$8.43 per 1,000 gallons

2. Monthly Fixed Bills per month:

a. 5/8 inch and 3/4 inch meter size	
Fixed charge	\$7.82
b. 1-inch meter size	

Fixed charge	\$25.98
c. 1-1/2 inch meter size	
Fixed charge	\$52.31
d. 2-inch meter size	
Fixed charge	\$83.60
e. 3-inch meter size	
Fixed charge	\$156.54
f. 4-inch meter size	
Fixed charge	\$260.81
g. 6-inch meter size	
Fixed charge	\$521.99

3. Non-metered Accounts:

b. Flat rate per month	
1. Fixed charge	\$7.34
2. 9,000-gallons	\$66.02
Total flat rate per month	\$66.02

4. Future Wastewater Rates:

b. Wastewater rates for customers outside the corporate limits will be further revised once per year according to the following schedule.

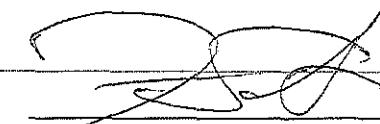
Item	As of January 1, 2015	As of January 1, 2016	As of January 1, 2017	As of January 1, 2018	As of January 1, 2019	As of January 1, 2020
Wastewater Commodity Charge, First 10,000 gallons per month, per 1,000 gallons	\$7.89	\$8.48	\$9.11	\$9.80	\$10.53	\$11.33
Wastewater Commodity Charge, Above 10,000 gallons, per 1,000 gallons	\$9.06	\$9.74	\$10.47	\$11.25	\$12.09	\$12.99
Monthly Fixed Charges (per Meter Size)						
5/8 inch and 3/4 inch	\$8.40	\$9.03	\$9.71	\$10.44	\$11.22	\$12.06
1 inch meter	\$27.93	\$30.03	\$32.28	\$34.70	\$37.29	\$40.08
1 1/2 inch meter	\$56.24	\$60.45	\$64.98	\$69.86	\$75.09	\$80.72
2 inch meter	\$89.87	\$96.60	\$103.85	\$111.63	\$120.00	\$129.00
3 inch meter	\$168.29	\$180.90	\$194.48	\$209.06	\$224.73	\$241.59
4 inch meter	\$280.37	\$301.40	\$324.00	\$348.30	\$374.43	\$402.51
6 inch meter	\$561.14	\$603.23	\$648.47	\$697.10	\$749.37	\$805.58

C. SEWER/WASTEWATER RATES OUTSIDE CORPORATE LIMITS (NON-RESIDENTIAL)

1. Same as established in SECTION THREE.B. above.

SECTION FOUR: All ordinances in conflict herewith are repealed to the extent of said conflict. This Ordinance is in full force and effect after passage and publication according to law and the rates and charges contained herein shall apply to all bills issued on or after August 1, 2014.

PASSED AND APPROVED by the President and Board of Trustees at the Village of Bensenville, this 24th day of June, 2014.



Frank Soto
Village President

ATTEST:



Ilsa Rivera-Trujillo
Village Clerk

AYES: BARTLETT, JANOWIAK, O'CONNELL, RIDDER

NAYS: WESSELER

ABSENT: JARECKI

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info@baxterwoodman.com



Memo

To: Village of Bensenville Mayor and Board of Trustees

From: Jim Sparber

Date: 6/19/14 Project No.: 100563.40

Subject: Response to Questions from 6/17/14 Committee Meeting

At the conclusion of Baxter & Woodman's presentation regarding the Water & Sewer Rate Study to the Finance Committee, the committee requested additional information be provided on the following items:

1. Explain the concerns associated with a very low or zero fund balance which was projected by Scenario 1.

The Water & Sewer Fund is an enterprise fund meaning that all the revenues and expenditures associated with the operations of these systems should be accounted for within the fund. The idea behind this type of fund is to provide a clear picture of the finances to users of the system whose payment for services (i.e. water and sewer bills) comprise the majority of the system revenue. Ideally, the fund is self-supporting such that the users of the system who receive the benefits are the ones who are paying the costs. A well-managed water and sewer system will still see variations in cash flows during the normal course of business. A reserve fund balance is recommended in order to absorb these fluctuations without needing to borrow funds. The American Water Works Association (AWWA) has established a benchmark minimum fund balance of 25% of the cost of operations. If the cash reserve is not available, the water and sewer fund may be forced to borrow from either the General Fund or from an outside lender. In addition to smoothing cash flow, maintaining a reserve balance provides cash for unanticipated, critical system repairs and serves as an added assurance to lenders in the event significant outside funding is needed.

It is our recommendation to maintain some cash reserves to allow the Village staff flexibility in how they manage the system. Scenario 1 does not provide the necessary cash reserves to allow this flexibility. As such, it is our recommendation to adopt Scenario 2.

2. Identify the areas that should be evaluated when reviewing the annual rate increases scheduled to become effective on January 1 of each year of the study period.

Our study is based on annual projections of the cash flows through the Water and Sewer Fund. As with any projection, the values are our best estimates based on what we know at the time of the study. The actual results can vary significantly from our estimates. As such, we recommend that the projections be reviewed on an annual basis, prior to the scheduled January 1 rate increase. The key items to be reviewed against the projected values include:

- Volume of water sales (trend)
- Water loss percentage (trend)
- Wholesale cost of water purchased (actual vs. projected)
- Total system revenue (actual vs. projected)
- Total system expenses (actual vs. projected)
- Capital construction costs (actual vs. budgeted)
- End of year fund balance (actual vs. projected)
- Significant changes in expense items such as labor agreements, electric costs, etc.
- Unexpected or unplanned large capital expenditures

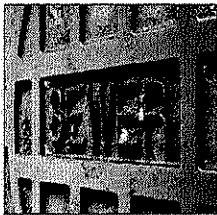
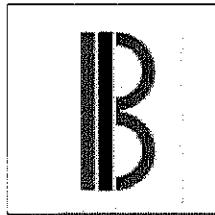
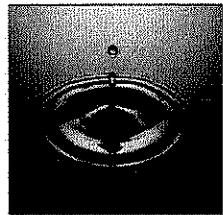
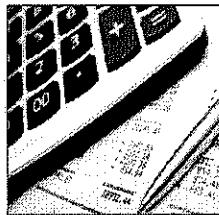
In the event the system revenue or expenses are not tracking closely to the projected values, a more in-depth analysis of these items should be conducted to identify the root cause of the variation.

List of Unincorporated SSAs

SSA #	Description	Municipality	Ordinance #	Established	Estimated	Water Rates
3	Bruce Lake	Burr Ridge	PW-ORD-005-86	3/25/86	\$875,000	200%
5	Jeans Road Industrial Park	Burr Ridge	PWO-007-87	4/24/85	\$290,000	200%
8	Jeans Rd. Road Improvements	Burr Ridge	OPW-002-93	3/23/93	\$500,000	200%
9	Brookeridge Central & Main	Burr Ridge	OPW-002-92	4/28/92	\$1,350,000	200%
26	Bruce Lake	Burr Ridge	OPW-008-02	7/9/02	\$1,247,890	200%
27	Brookeridge 85th - 87th Street	Burr Ridge	OPW-003-03	4/22/03	\$425,000	200%
29	Babson Park	Burr Ridge	OPW-006-03	9/23/03	\$511,000	200%
4	Nelson's Highview Estates	Glen Ellyn	ECO-002-88	9/17/88	\$360,000	150%
6	Five Corners	Glen Ellyn	PWO-006-87	10/27/87	\$175,000	150%
10	Five Corners	Glen Ellyn	OPW-004-94	5/24/94	\$475,000	150%
12	Glen Ellyn Woods South	Glen Ellyn	OPW-002-94	2/8/94	\$530,000	150%
19	Glen Ellyn Woods North	Glen Ellyn	OPW-004-02	3/12/02	\$2,165,000	150%
2	Oak Hill/Spring Acres	Hinsdale	PW-ORD-008-85	4/24/85	\$395,000	125%
1	Itasca Ranchettes	Itasca	PW-ORD-007-85	8/13/85	\$724,000	150%
11	Nordic Park	Itasca	OPW-001-94	2/8/94	\$1,300,000	150%
16	Flowerfield	Lombard	OPW-003-97	4/23/97	\$260,000	150%
35	Lakes of Royce Renaissance	Lombard	OPW-003-10	8/10/2010	\$5,000,000	150%
37	York Center	Lombard	OPW-002-11	1/25/2011	\$1,900,000	150%
34	Hobson Water	Naperville	OPW-001-09	1/13/09	\$1,920,000	110%
25	Westlands	West Chicago	OPW-008-01	11/27/01	\$2,107,100	200%
32	Riviera Court	West Chicago	OPW-006-06	7/11/06	\$306,000	200%
33	Judith Court	West Chicago	OPW-007-06	7/11/06	\$350,000	200%
21	Woodridge Estates	Woodridge	OPW-003-01	6/12/01	\$885,000	162%
30	Suburban Estates	Woodridge	OPW-002-04	3/9/04	\$2,500,000	162%

Village of Bensenville, Illinois

2014 Water & Sewer Rate Study Update



Prepared by:

BAXTER & WOODMAN
Consulting Engineers

www.baxterwoodman.com

May 2014

Village of Bensenville, Illinois 2014 Water & Sewer Rate Study Update

TABLE OF CONTENTS

<u>Section</u>		<u>Page No.</u>
EXECUTIVE SUMMARY		
1. EXISTING WATER AND SEWER SYSTEMS		
2. CURRENT WATER AND SEWER RATES		
3. PROJECTED WATER AND SEWER USAGE		
4. PROJECTED WATER AND SEWER OPERATING REVENUES		
5. PROJECTED WATER AND SEWER FUND EXPENSES		
6. BASELINE REVENUE AND EXPENSE COMPARISON		
7. WATER AND SEWER RATE SCENARIO OVERVIEW		
7.1 Rate Scenario 1		15
7.2 Rate Scenario 2		17
7.3 Rate Scenario 3		19
8. CONCLUSION AND RECOMMENDATIONS		
8.1 Recommendation.....		23
8.2 Rate Comparison.....		23

LIST OF TABLES

<u>Table</u>		<u>Page No.</u>
1 Scenario 2: Water & Sewer Monthly Bills.....		5
2 Scheduled Wholesale Water Rate Increases.....		7
3 Water Rate Schedule per Existing Ordinance		8
4 Sewer Rate Schedule per Existing Ordinance		8
5 Water and Sewer Billing Distribution by Customer Type.....		9
6 Water and Sewer Billing Distribution by Meter Size		9

7	Comparison of Area Unincorporated Rates vs. Incorporated Rates.....	15
8	Scenario 1: Water & Sewer Monthly Bills.....	17
9	Scenario 2: Water & Sewer Monthly Bills.....	19
10	Scenario 3: Water & Sewer Monthly Bills.....	21
11	Comparison of Monthly Water and Sewer Bills	22
12	Rate Comparisons.....	24

LIST OF FIGURES

<u>Figure</u>		<u>Page No.</u>
1	Village Water Usage.....	10
2	Annual Revenue/Expenses – Baseline Scenario.....	12
3	Water and Sewer Utility Fund Balance Projection Baseline Scenario	14
4	Water and Sewer Utility Fund Balance Projection Scenario 1: Equal Annual Increases of 9.2%.....	16
5	Water and Sewer Utility Revenue/Expense Projections Scenario 1: Equal Annual Increases of 9.2 %.....	17
6	Water and Sewer Utility Fund Balance Projection Scenario 2: 15% Initial Increase with 7.5% Annual Increase	18
7	Water and Sewer Utility Revenue/Expenses Projections Scenario 2: 15% Initial Increase with 7.5% Annual Increase	18
8	Water and Sewer Utility Fund Balance Projection Scenario 3: Entire Rate Increase July 1, 2014 (44.7%)	20
9	Water and Sewer Utility Revenue/Expenses Projections Scenario 3: Entire Rate Increase July 1, 2014 (44.7%)	21

EXECUTIVE SUMMARY

In accordance with your authorization, we have completed an update and review of the Village's water and sewer user rates. The purpose of this project is to provide the Village with recommendations for setting water and sewer rates to cover operating, debt service and capital improvement expenses while maintaining an appropriate cash balance in the Water and Sewer Fund. The scope of this report includes:

- Analyzing the current water usage trends as well as the trends in unbilled water percentages.
- Preparing a 5-year projection of water and sewer expenses, including incorporation of the Village's 5-year capital improvement plan.
- Reviewing debt service obligations and replacement/rehabilitation needs to assure adequate funds are being set aside for these needs.
- Preparing 5-year projection of revenues necessary to meet water and sewer utility expenses.
- Recommending a system of equitable water and sewer rates to meet revenue requirements for the next 5 years.

Under the current rate structure, the Water & Sewer Fund is insufficient to support the projected operating and capital expenses, resulting in a negative fund balance in less than two years. Much of this shortfall is due to the increased cost of water supplied by the DuPage Water Commission and the City of Chicago. Three scenarios for rate increases were evaluated:

1. Increase rates annually at 9.2% in each of the next 5 years.
2. Increase rates by 15% in July 2014 and then increase the rates by 7.5% in each of the next 5 years.
3. Increase rates by 44.7% in July 2014 with no additional rate increases over the 5-year study period.

Of the three scenarios evaluated, Scenario 2 is recommended for implementation. Under this scenario the projected fund balance will remain positive and will provide for revenues slightly above projected expenses at the end of the five year study period.

In addition to the recommended rate increase, the study also recommends removal of the current \$19.39 capital fee currently charged to users of the system who are not within the municipal corporate limits. The study proposes to charge unincorporated system users a rate which is 150% of the standard user fees in order to recapture costs for services provided by the Village and paid for out of the General Fund, but which benefit the water system users.

The following table presents a summary of the average monthly water and sewer bill for various typical customer classes under the recommended scenario.

TABLE 1

Scenario 2: Water & Sewer Monthly Bills

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Low Senior Usage 2,000 gallons/month	\$ 32	\$ 38	\$ 41	\$ 44	\$ 47	\$ 51	\$ 55	\$ 60
Avg. Residential Usage 6,000 gallons/month	\$ 92	\$106	\$114	\$123	\$132	\$142	\$153	\$164
Avg. Unincorporated Usage 6,000 gal/month	\$112	\$159	\$171	\$184	\$198	\$213	\$229	\$246
Avg. Non-Res. Usage 29,000 gallons/month	\$487	\$560	\$602	\$647	\$695	\$747	\$803	\$864

Notes: Unincorporated users pay 150% of the standard usage rates.

In order to maintain a financially sound, self-sufficient water and sewer fund, adoption of a 15% rate increase in July 2014 and a 7.5% annual rate increase in January of 2015 through January 2020 as described under Scenario 2 is recommended.

1. EXISTING WATER AND SEWER SYSTEMS

The Village of Bensenville operates a public water distribution system and a sanitary sewer system under the jurisdiction of the Village's Public Works Department. The water system consists of a DuPage Water Commission water supply station; emergency water supply interconnections with the City of Elmhurst and the Villages of Elk Grove and Wood Dale; four water storage facilities; two booster pumping stations, three emergency wells; and approximately 70 miles of water main. The sanitary sewer system consists of one wastewater treatment plant; 18 sewage lift stations; and approximately 60 miles of sanitary sewers.

The Village has a mixture of residential, commercial, industrial and institutional land uses. These areas are fully developed, with little buildable land remaining, though re-development of some areas may be possible in the future.

2. CURRENT WATER AND SEWER RATES

The Village invoices each month for water and sewer services, with the intent of collecting sufficient revenue to allow these utilities to be self-sustaining and self-renewing. All fees relating to water and sewer utility operation, including usage revenues, water meter fees, late payment penalties, water turn on/off fees and interest income, are deposited in the Water and Sewer Fund. This enterprise fund pays operation and routine maintenance costs for the water and sewer systems, as well as debt payments and costs for replacement and rehabilitation of existing infrastructure and equipment. Currently, storm sewer system improvements and maintenance are included in this fund. However, looking forward, storm sewer expenses will be removed from the fund.

As noted above, the Village purchases water from the DuPage Water Commission. The DuPage Water Commission in turn purchases water from the City of Chicago. In 2011, the City of Chicago announced that they would be increasing the wholesale unit cost for water from 2012 through 2015. In turn, DuPage Water Commission passed the City of Chicago rate increase on to customers, along with an increase in their own operation and maintenance fees. Table 2 below shows the expected increases in the cost of water purchased by the Village of Bensenville over the next few years.

TABLE 2

Scheduled Wholesale Water Rate Increases

Year	City of Chicago Wholesale Water Rate (per 1,000 gal)	DuPage Water Commission Wholesale Water Rate (per 1,000 gal) ¹	Change from Previous Year (per 1,000 gal)	% Increase
2011	\$2.005	\$2.30		
2012	\$2.51	\$2.99	\$0.69	30%
2013	\$2.89	\$3.59	\$0.60	20%
2014	\$3.32	\$4.24	\$0.65	18%
2015	\$3.82	\$4.96	\$0.72	17%
<i>Total Increase 2011 – 2015:</i>				\$2.66

Baxter & Woodman previously completed a rate study for the Village in 2008. The Village subsequently implemented a series of rate increases as shown in Table 3 and Table 4. It should be noted that the Village did not implement the scheduled rate increases originally identified as going into effect on May 1, 2012. As such, the last rate increase occurred May 1, 2011. The increases in the wholesale cost of water, which took effect in 2012, 2013 and thus far in 2014, have been absorbed by the Village through means other than a customer rate increase. Had the increases

¹ Inclusive of the rate charged by the City of Chicago.

been passed on to consumers, the rate per 1,000 gallons of water consumed would have increased from \$5.38 to \$6.07 in 2012, \$6.67 in 2013 and \$7.32 in 2014.

TABLE 3

Water Rate Schedule per Existing Ordinance

Item	As of May 1, 2010	As of May 1, 2011	As of May 1, 2012	As of May 1, 2013
Water Monthly Fixed Charges				
5/8-inch meter	\$ 2.02	\$ 2.28	\$ 2.28	\$ 2.28
1-inch meter	\$ 6.78	\$ 7.66	\$ 7.66	\$ 7.66
1.5-inch meter	\$ 13.42	\$ 15.16	\$ 15.16	\$ 15.16
2-inch meter	\$ 21.50	\$ 24.30	\$ 24.30	\$ 24.30
3-inch meter	\$ 40.40	\$ 45.65	\$ 45.65	\$ 45.65
4-inch meter	\$ 67.38	\$ 76.14	\$ 76.14	\$ 76.14
6-inch meter	\$134.63	\$152.13	\$152.13	\$152.13
Water Usage Rates per 1,000 gallons				
0 - 10,000 gallons	\$ 4.76	\$ 5.38	\$ 5.38	\$ 5.38
> 10,000 gallons	\$ 5.47	\$ 6.19	\$ 6.19	\$ 6.19
Capital Recovery Fee	\$ 1.97	\$ 2.23	\$ 2.23	\$ 2.23

Note: Unincorporated users assessed an additional \$19.39 monthly fee for Capital Recovery.
There is a senior discount of \$1.54 off the total bill for incorporated customers only.

TABLE 4

Sewer Rate Schedule per Existing Ordinance

Item	As of May 1, 2010	As of May 1, 2011	As of May 1, 2012	As of May 1, 2013
Sewer Monthly Fixed Charges				
5/8-inch meter	\$ 3.89	\$ 4.53	\$ 4.53	\$ 4.53
1-inch meter	\$ 12.93	\$ 15.06	\$ 15.06	\$ 15.06
1.5-inch meter	\$ 26.03	\$ 30.32	\$ 30.32	\$ 30.32
2-inch meter	\$ 41.60	\$ 48.46	\$ 48.46	\$ 48.46
3-inch meter	\$ 77.90	\$ 90.75	\$ 90.75	\$ 90.75
4-inch meter	\$129.78	\$151.19	\$151.19	\$151.19
6-inch meter	\$259.74	\$302.60	\$302.60	\$302.60
Sewer Usage Rates per 1,000 gallons				
0 - 10,000 gallons	\$ 3.65	\$ 4.25	\$ 4.25	\$ 4.25
> 10,000 gallons	\$ 4.20	\$ 4.89	\$ 4.89	\$ 4.89
Capital Recovery Fee	\$ 2.07	\$ 2.41	\$ 2.41	\$ 2.41

Note: There is a senior discount of \$1.54 off the total bill for incorporated customers only.

The following tables summarize the customer billing types and meter sizes as of the FY2013.

TABLE 5

Water and Sewer Billing Distribution by Customer Type

Customer Type	Annual Usage (gallons)	Avg. Usage per Customer (gal/month)	Percent of Total Usage
Residential – Incorp.	286,282,000	6,730	54%
Residential – Unincorp.	17,598,000	4,530	3%
Residential – Apart.	40,232,000	108,150	8%
Commercial	56,197,000	16,430	11%
Industrial	108,721,000	14,020	20%
Municipal	<u>25,880,000</u>	50,160	5%
Total	534,910,000		

TABLE 6

Water and Sewer Billing Distribution by Meter Size

Water Meter Size	Annual Usage (gallons)	Avg. Usage per Customer (gal/month)	Percent of Total Usage
5/8-inch – Incorp.	213,437,000	4,790	40%
5/8-inch – Unincorp.	17,598,000	4,530	3%
1-inch	39,036,000	10,670	7%
1.5-inch	115,742,000	27,560	22%
2-inch	56,493,000	38,910	11%
3-inch	49,814,000	118,600	9%
4-inch	22,503,000	187,530	4%
6-inch	178,000	7,420	<1%
Willow ND	<u>20,109,000</u>	111,720	4%
Total	534,910,000		

3. PROJECTED WATER AND SEWER USAGE

This study will evaluate the adequacy of the current rate structure given the proposed capital improvements planned for system maintenance and improvements, and provide recommendations should the current rate structure be found insufficient.

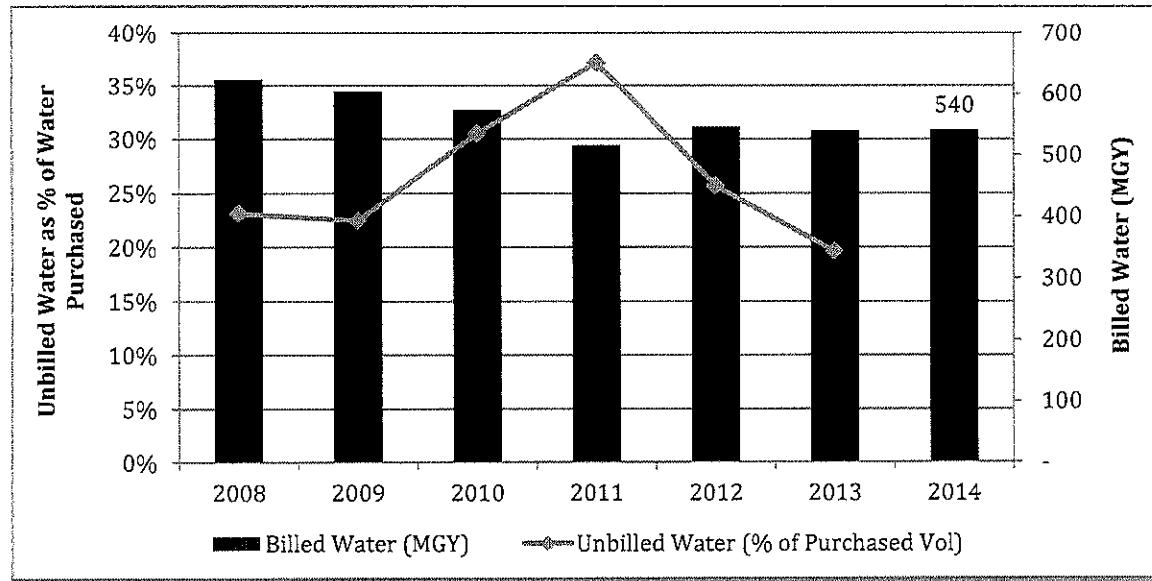
The Village of Bensenville has identified unbilled water usage as a significant issue to be addressed and has been working to reduce the percentage of unbilled water over the past several years. During this time, the unbilled water amount has been trending downward and was estimated at 20% for 2013.

Between 2011 and 2012, the Village conducted leak surveys throughout its water system and made improvements to leaking water meters. A major water main leak, identified as a major source of water loss, was discovered and repaired in the summer of 2012. The effect on water loss was immediate, as shown in Figure 1.

In order to provide a conservative approach when evaluating the rates going forward, this study assumes that the total water billed will be approximately 540 million gallons on an annual basis over the 5-year study period and unbilled water as a percentage of purchased water will remain constant at 20%. The water loss goal is 8%. Rates will be reviewed annually with the annual budget.

FIGURE 1

Village Water Usage



The Village continues to work to reduce the amount of unbilled water loss. As part of this rate study, funding for improvements to the water system are included in the capital plan. It is estimated that the amount of water loss will continue to decrease as a result of these improvements.

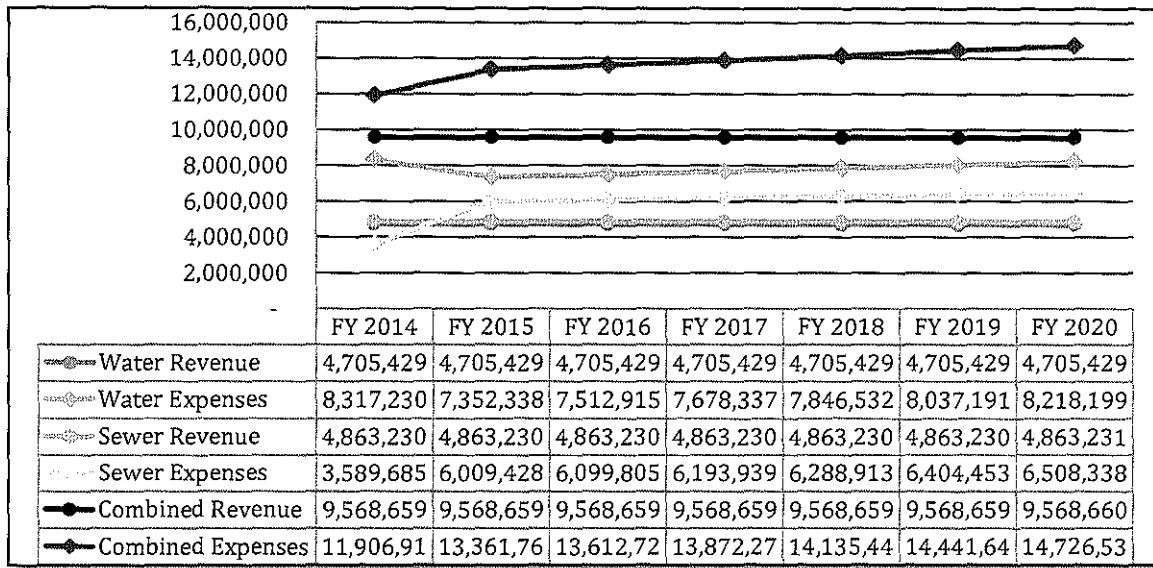
4. PROJECTED WATER AND SEWER OPERATING REVENUES

Using the information presented above and additional detail provided in the attached exhibits, we prepared baseline revenue projections assuming no further rate increases over the next 5 years. We also assumed no appreciable growth or decline in the customer base. Accordingly, absent any rate increase, operating revenues are anticipated to remain level during the 5-year study period under these assumptions.

The baseline revenue projections are summarized in Figure 2 below, with detailed projections provided in Attachment A.

FIGURE 2

Annual Revenue/Expenses² – Baseline Scenario



As shown in Figure 2, revenue from the water system is approximately \$4.7 million per year, and revenue from the sewer system is approximately \$4.8 million per year for combined system revenue of \$9.5 million per year. As Figure 2 shows, the sewer expenses in FY 2015 show a jump as debt service payments for the new wastewater treatment plant (WWTP) begin. At the same time, water expenses are expected to decline as the capital plan for the water system is scaled back. The net effect, however, is an increase in the total expenses in FY 2015. Going forward from FY 2015, expenses are expected to climb at an inflationary rate.

² Revenues do not include proceeds from debt issuance, nor do expenses include construction cost funded by debt proceeds.

Village of Bensenville, Illinois

2014 Water & Sewer Rate Study Update • 100563

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5. PROJECTED WATER AND SEWER FUND EXPENSES

This analysis grouped expenses for the water and sewer utilities into three categories: routine operations and maintenance (O&M), capital improvements and non-operating expenses such as debt service.

A 5-year projection of O&M expenses was developed by Baxter & Woodman and reviewed with Village staff. In general, O&M expenses were projected by assigning an annual inflation factor to each line item in the Water and Sewer Fund. Inflation factors were set based on expected trends for each type of expense, and then line item expenses were compiled to develop overall O&M expense projections for the fund as a whole.

The Village's Public Works staff provided estimated costs for future capital improvements, which are needed to address infrastructure deterioration in the water and sanitary sewer systems and at the WWTP. These expenses include:

- A new wastewater treatment plant;
- Continued water capital improvements ;
- Annual replacement of water meters and vehicles;
- Continued annual investment in water main replacement

Non-operating expenses include continued payment on existing bonds and new payments for the proposed 2014 Illinois Environmental Protection Agency (IEPA) loan for the new WWTP.

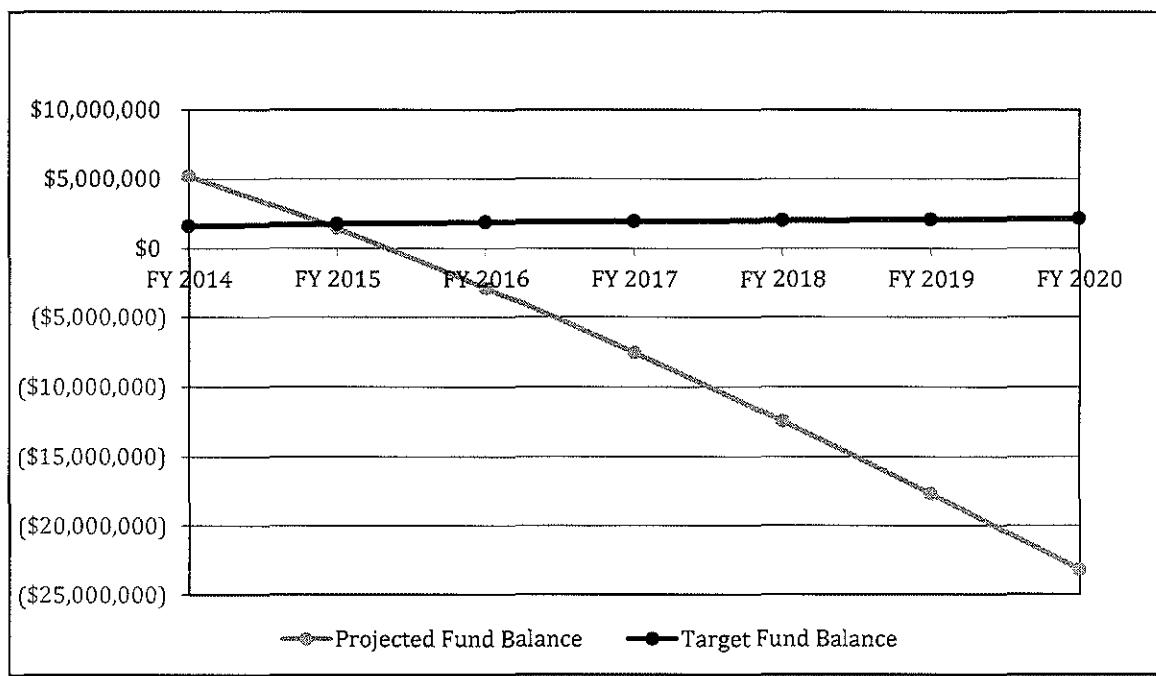
Figure 2 shows the baseline expense projections for the Water and Sewer Fund. A more detailed analysis of the expense projections are provided as Appendix A. Annual increases in routine operating expenses are due primarily to anticipated inflation in salaries, benefits, utilities, commodities and contractual services. Capital improvement costs fluctuate annually based on changing project needs from year to year. The most significant increase in expenses in FY 2014 and 2015 are for the construction of the new WWTP. Changes in non-operating costs over the study period are determined by the repayment schedules for outstanding debt and anticipated changes to future General Fund transfers. As indicated in Figure 2, the general trend in expenses is upward over the next 5 years.

6. BASELINE REVENUE AND EXPENSE COMPARISON

The baseline cash flow analysis indicates that, with no rate increases, the Water and Sewer Fund will be operating at a deficit between FY 2014 and FY 2020. With no rate increases, expenses are projected to exceed revenues every year, eventually depleting existing reserves and causing a cash flow deficit as shown in Figure 3. Under this scenario, the Water and Sewer Fund will have a negative balance in FY 2015 and will be approximately \$23 million short by FY 2020.

FIGURE 3

Water and Sewer Utility Fund Balance Projection Baseline Scenario



7. WATER AND SEWER RATE SCENARIO OVERVIEW

In working with Village staff, three rate increase scenarios were identified to meet the projected expenses. All rate scenarios include the baseline revenue and expense projections discussed above. The key difference between the scenarios is the resulting financial projections and affordability based on different rate increases. Each of the scenarios is discussed in detail below.

All rate increases are assumed to take place on January 1 annually, with the exception of the first increase, which is projected for July 1, 2014.

As part of the current rate structure, users of the system who are not located within the corporate limits of the Village are charged a \$19.39 monthly capital recovery fee in addition to all of the standard fees. The Village has been maintaining these monies in a separate fund for use in the future water system upgrades and improvements in unincorporated service areas. As part of this study, we recommend that flat rate fee be eliminated and a Special Service Area (SSA) be utilized as the funding mechanism for capital improvements to water infrastructure outside the Village limits.

The Village staff has also indicated that certain support services such as legal and managerial support, public works support at water main breaks, materials for restoration of repairs, etc. are paid for out of the Village General Fund. As such, unincorporated users who do not pay property taxes to support the General Fund will be charged a rate of 150% the standard rates. Table 7 provides a summary of the additional fees charged to unincorporated users at various other area communities.

TABLE 7

Comparison of Area Unincorporated Rates vs. Incorporated Rates

Municipality	Unincorporated Rate (Percentage of Incorporated Rate)
Bloomingdale	150%
Addison	200%
Elmhurst	150%
Elk Grove Village	150%
Franklin Park	200%
Itasca	150%
Average	150%

7.1 Rate Scenario 1

This scenario considered increasing rates equally on an annual basis over the study period for all users. The percentage increase is applied to the Water Usage Rates, Water Fixed Charges, Water Capital Recovery Charge, Sewer Usage Rate, Sewer Fixed Charges and Sewer Capital Recovery

Charge. In addition, users outside of the Village will be charged at 1.5 times the standard rate for all of the aforementioned charges and the \$19.39 Capital Recovery Charge will be eliminated.

Figure 4 shows the cash flow projections for the Water and Sewer Fund under Scenario 1. Currently, the Water and Sewer Fund has cash reserves well in excess of the recommended fund balance. Under Scenario 1, the cash reserves would be gradually depleted and the fund balance is projected to dip well below the recommended balance, but then recover to meet the desired fund balance by the end of the study period. This scenario requires an 9.2% annual increase in all fees each year for the full 5-year study period.

Figure 5 shows the projected revenues and expenses under Scenario 1. The fund will be operating at a deficit through FY 2018, during which time it will consume the excess capital reserves. In FY 2019 and 2020, the fund returns to a positive cash flow where projected revenues will exceed expenses and the fund will again begin to accumulate cash. Under this scenario, if expenses remain relatively constant in the periods beyond 2020, rate increases will only be required to keep pace with inflation.

FIGURE 4

Water and Sewer Utility Fund Balance Projection
Scenario 1: Equal Annual Increases of 9.2%

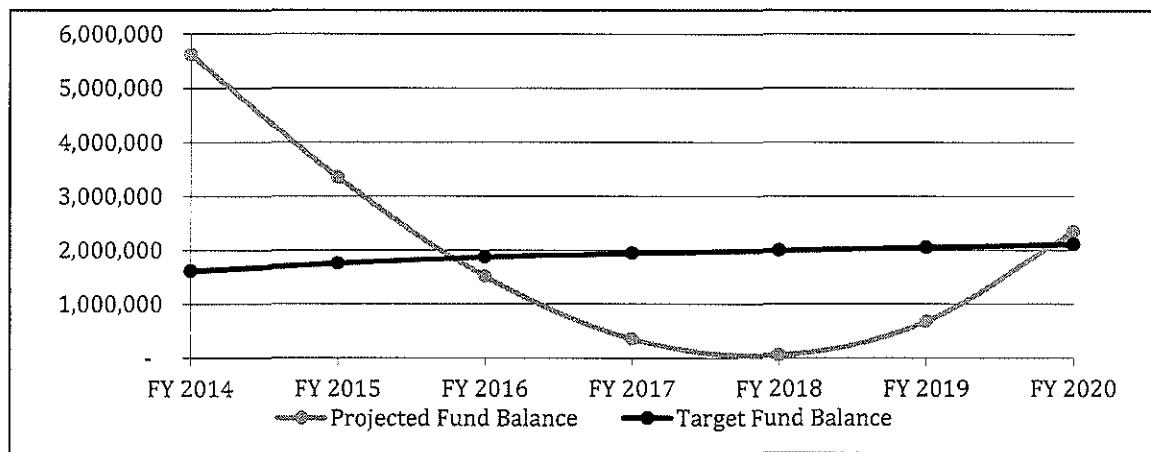


FIGURE 5

Water and Sewer Utility Revenue/Expense³ Projections
Scenario 1: Equal Annual Increases of 9.2%

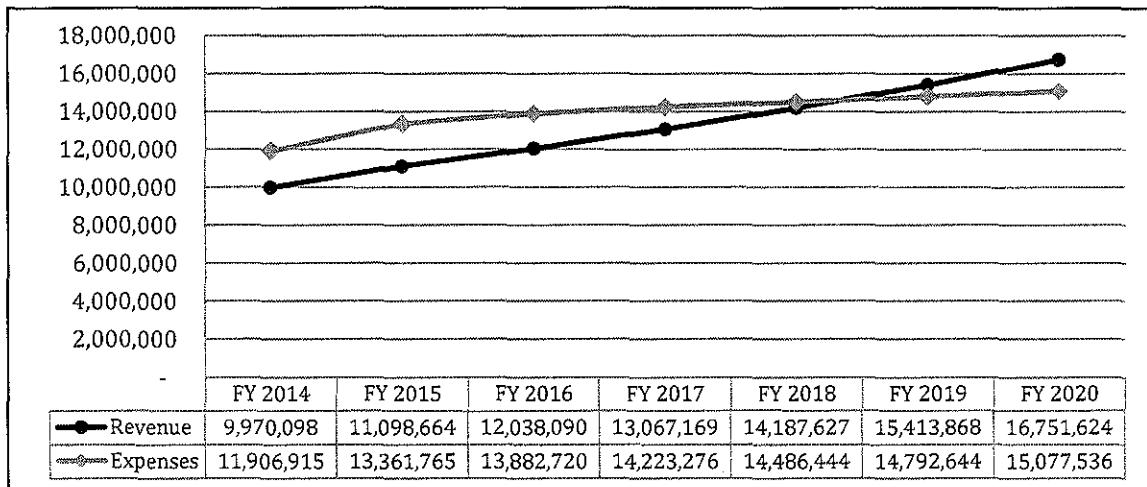


Table 8 summarizes the resulting monthly water and sewer bills for three different customer classes: low senior citizen usage, average residential usage and average non-residential usage.

TABLE 8

Scenario 1: Water & Sewer Monthly Bills

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Low Senior Usage 2,000 gal/month	\$ 32	\$ 36	\$ 39	\$ 43	\$ 47	\$ 52	\$ 57	\$ 62
Avg. Residential Usage 6,000 gal/month	\$ 92	\$101	\$110	\$120	\$131	\$143	\$157	\$171
Avg. Unincorporated Usage 6,000 gal/month	\$112	\$151	\$165	\$180	\$197	\$215	\$235	\$257
Avg. Non-Residential Usage 29,000 gal/month	\$487	\$532	\$580	\$634	\$692	\$756	\$825	\$901

Notes: Unincorporated users pay 150% of the standard usage rates.

7.2 Rate Scenario 2

This scenario considered rates increased by 15% on July 1, 2014 and then increasing rates by 7.5% annually throughout the remainder of the study period.

³ Revenues do not include proceeds from debt issuance, nor do expenses include construction cost funded by debt proceeds.

Village of Bensenville, Illinois

2014 Water & Sewer Rate Study Update • 100563

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Figure 6 shows the cash flow projections for the Water and Sewer Fund under Scenario 2. Figure 7 shows the projected Revenue and Expenditures under this scenario.

FIGURE 6

Water and Sewer Utility Fund Balance Projection
Scenario 2: 15% Initial Increase with 7.5% Annual Increase

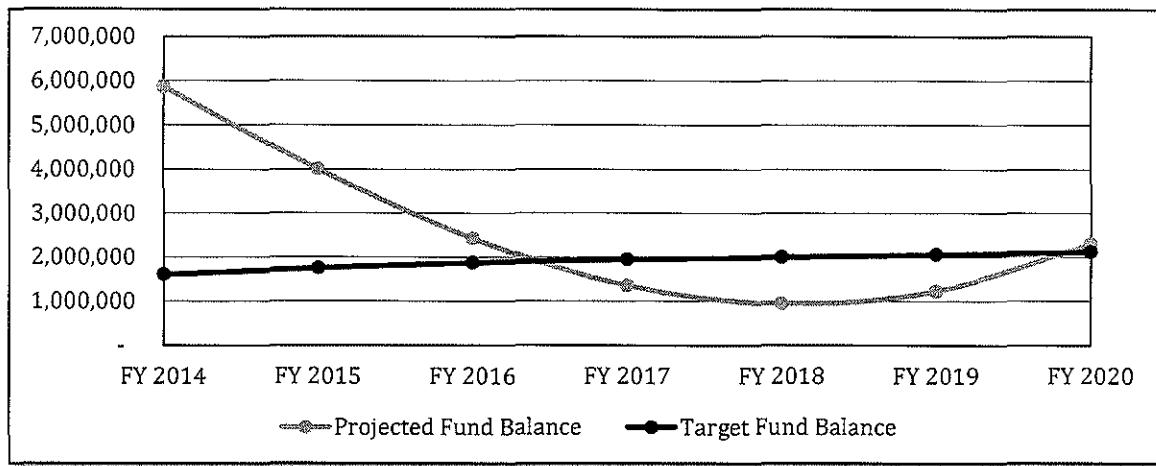
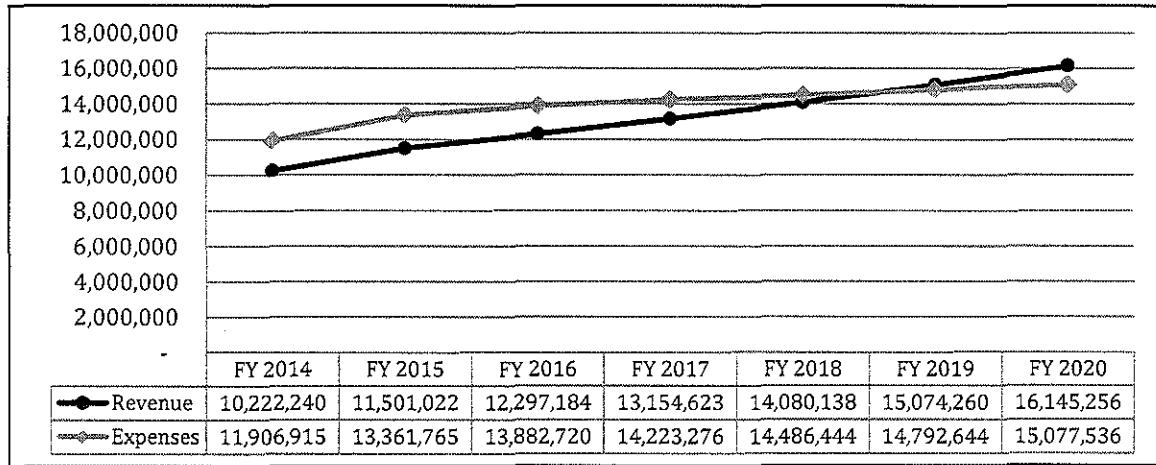


FIGURE 7

Water and Sewer Utility Revenue/Expenses⁴ Projections
Scenario 2: 15% Initial Increase with 7.5% Annual Increase



⁴ Revenues do not include proceeds from debt issuance, nor do expenses include construction cost funded by debt proceeds.

As with Scenario 1, the projected revenue will be insufficient to cover expenses and cash reserves will be diminished until FY 2019 and 2020.

Table 9 summarizes the resulting monthly water and sewer bills for three different customer classes: low senior citizen usage, average residential usage, unincorporated average residential usage and average non-residential usage.

TABLE 9

Scenario 2: Water & Sewer Monthly Bills

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Low Senior Usage 2,000 gallons/month	\$.32	\$.38	\$.41	\$.44	\$.47	\$.51	\$.55	\$.60
Avg. Residential Usage 6,000 gallons/month	\$.92	\$106	\$114	\$123	\$132	\$142	\$153	\$164
Avg. Unincorporated Usage 6,000 gal/month	\$112	\$159	\$171	\$184	\$198	\$213	\$229	\$246
Avg. Non-Res. Usage 29,000 gallons/month	\$487	\$560	\$602	\$647	\$695	\$747	\$803	\$864

Notes: Unincorporated users pay 150% of the standard usage rates.

7.3 Rate Scenario 3

The third rate scenario evaluated was to have the entire rate increase needed to maintain Water and Sewer fund balances above the target fund balance throughout the study period. This would be a 44.7% increase in both water and sewer bills. This rate increase would take effect on July 1, 2014.

Figure 8 shows a cash flow scenario where the fund balance remains above the target fund balance for the duration of the study period but draws the fund balance down over the 5 years to meet the target balance at the end of FY 2020. As Figure 9 shows, one of the potential problems with this type of scenario is that the expenses exceed revenues and, therefore, a future rate increase is inevitable. When the Water and Sewer Fund balance drops below the target level, a rate increase will be required to bring revenues back in line with expenses. This increase will be more than just an inflationary increase as would be expected in Scenarios 1 and 2.

FIGURE 8

Water and Sewer Utility Fund Balance Projection
Scenario 3: Entire Rate Increase July 1, 2014 (44.7%)

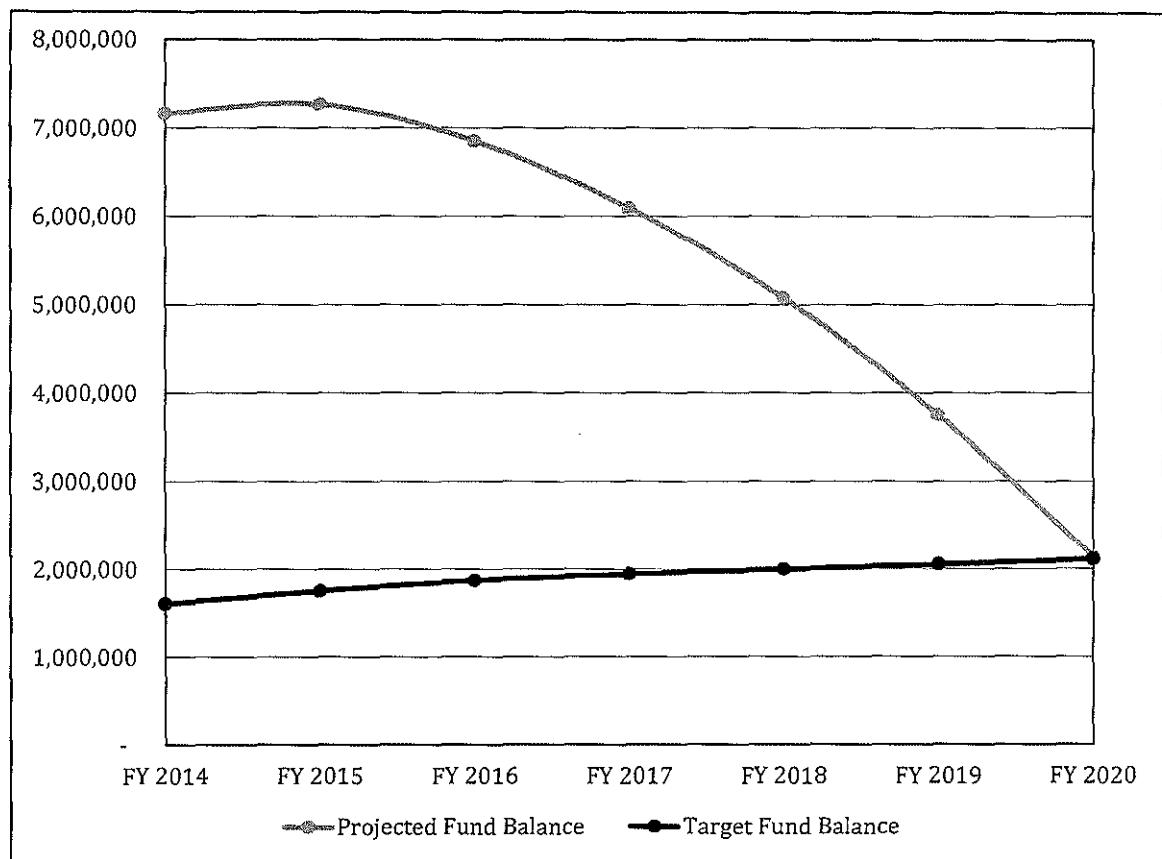
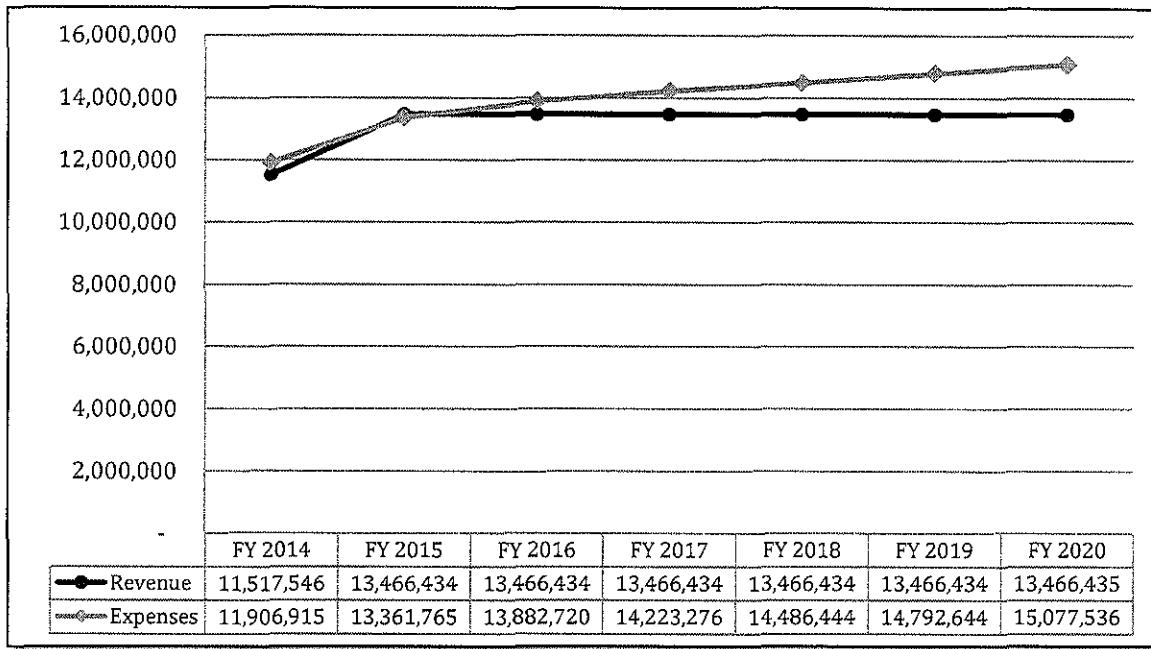


FIGURE 9

Water and Sewer Utility Revenue/Expenses⁵ Projections
Scenario 3: Entire Rate Increase July 1, 2014 (44.7%)



The projected monthly water and sewer bills are listed in Table 10.

TABLE 10
Scenario 3: Water & Sewer Monthly Bills

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Low Senior Usage 2,000 gal/month	\$.32	\$.48	\$.48	\$.48	\$.48	\$.48	\$.48	\$.48
Avg. Residential Usage 6,000 gal/month	\$.92	\$ 134	\$ 134	\$ 134	\$ 134	\$ 134	\$ 134	\$ 134
Avg. Unincorporated Usage 6,000 gal/month	\$ 112	\$ 201	\$ 201	\$ 201	\$ 201	\$ 201	\$ 201	\$ 201
Avg. Non-Res. Usage 29,000 gal/month	\$ 487	\$ 705	\$ 705	\$ 705	\$ 705	\$ 705	\$ 705	\$ 705

Notes: Unincorporated users pay 150% of the standard usage rates.

⁵ Revenues do not include proceeds from debt issuance, nor do expenses include construction cost funded by debt proceeds.

Village of Bensenville, Illinois

2014 Water & Sewer Rate Study Update • 100563

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8. CONCLUSION AND RECOMMENDATIONS

Table 11 compares monthly water and sewer bills for various customer classes under each of the three rate scenarios.

TABLE 11

Comparison of Monthly Water and Sewer Bills

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Low Senior Usage (2,000 gal/month)								
Scenario 1	\$32	\$36	\$39	\$43	\$47	\$52	\$57	\$62
Scenario 2	\$32	\$38	\$41	\$44	\$47	\$51	\$55	\$60
Scenario 3	\$32	\$48	\$48	\$48	\$48	\$48	\$48	\$48
Avg. Residential Usage (6,000 gal/month)								
Scenario 1	\$92	\$101	\$110	\$120	\$131	\$143	\$157	\$171
Scenario 2	\$92	\$106	\$114	\$123	\$132	\$142	\$153	\$164
Scenario 3	\$92	\$134	\$134	\$134	\$134	\$134	\$134	\$134
Avg. Unincorporated Residential Usage (6,000 gal/month)								
Scenario 1	\$112	\$151	\$165	\$180	\$197	\$215	\$235	\$257
Scenario 2	\$112	\$159	\$171	\$184	\$198	\$213	\$229	\$246
Scenario 3	\$112	\$201	\$201	\$201	\$201	\$201	\$201	\$201
Avg. Non-Residential Usage (29,000 gal/month)								
Scenario 1	\$487	\$532	\$580	\$634	\$692	\$756	\$825	\$901
Scenario 2	\$487	\$560	\$602	\$647	\$695	\$747	\$803	\$864
Scenario 3	\$487	\$705	\$705	\$705	\$705	\$705	\$705	\$705

Each of the three scenarios will achieve the goals of supporting projected operating expenses and capital improvements over the 5-year study period while maintaining a positive Water and Sewer Fund balance.

Scenario 1 results in gradual increases to the average user allowing residents time to absorb the increases in cost. For the average residential user, an \$9 to \$14 increase in their monthly water and sewer bill can be expected each year. This scenario does result in a significant dip in the fund balance in FY 2018 (approximately \$1.9 million or 95% below the target fund balance). However, the balance does remain positive. This scenario also boosts rates to a level where future rate increases after the 5-year study period will only be required to keep pace with inflation, provided the same level of annual capital investment is maintained.

Scenario 2 increases rates significantly (15%) in the first year, and then provides for smaller, but steady 7.5% increases over the remainder of the study period. The typical residential user will see

Village of Bensenville, Illinois

2014 Water & Sewer Rate Study Update • 100563

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an increase in their monthly water and sewer bill of \$14 after the July 1, 2014 increase, with annual increases in monthly bills of \$8 to \$11 for the remainder of the 5-year study period. Similar to Scenario 1, the projected water and sewer fund balance will dip below the target value in FY 2018. However, under this scenario, the projected fund balance is \$944,000 or 53% below the target balance. Also similar to Scenario 1, this scenario boosts rates to a level where future rate increases after the 5-year study period will only be required to keep pace with inflation, provided the same level of annual capital investment is maintained.

Scenario 3 provides for a one time rate increase of 44.7% starting July 1, 2014. No rate increases would be required throughout the remainder of the study period. This will increase the average users monthly bill by about \$42 per month. Unlike Scenarios 1 and 2, the fund balance will remain above the target value for the entirety of the study period. However, at the end of the study period, the rates will not have been increased sufficiently to allow for system revenues to match projected expenses. Another rate increase, beyond that which is required to match inflation, will be required to maintain fund balances.

8.1 Recommendation

We recommend the Village implement Rate Scenario 2 to ensure that water and sewer usage rates appropriately reflect the current cost of service to operate the water and sewer utilities. This scenario will allow water users to adapt to the increased costs over time, while also maintaining acceptable fund balances and placing the Water and Sewer Fund on sound financial footing at the end of the study period.

The rates are designed to allow the Village to cover projected operation and maintenance costs, all projects in the 5-year capital improvement plan and annual debt service, while maintaining an acceptable reserve balance in the Water and Sewer Fund.

8.2 Rate Comparison

Table 12 shows the typical monthly water bill for a Bensenville resident compared to equivalent monthly water costs for residents in other nearby communities. Costs for all communities include water and sewer supply and distribution. Water bills in Table 12 are calculated for a residential customer with a 1.5-inch or smaller water meter using 6,000 gallons monthly (in some communities, charges differ based on water meter size, so a specific meter size must be assumed for an equivalent comparison). The table shows the current cost for water and sewer for an average user in the Village of Bensenville, along with the projected cost under Rate Scenario 2. Some of the comparison communities do not publish rates through 2017. Where no published rate was available, the rates are assumed to remain unchanged from the previous year.

TABLE 12

Rate Comparisons⁶

	2013	2014	2015	2016	2017
Bloomingdale	\$65	Bloomingdale	\$ 70	Bloomingdale	\$ 74
Addison	\$74	Addison	\$ 81	Elmhurst	\$ 85
Elmhurst	\$85	Elmhurst	\$ 85	Elmhurst	\$ 85
Bensenville	\$92	Wood Dale	\$ 94	Addison	\$ 88
Wood Dale	\$94	Itasca	\$106	Wood Dale	\$ 94
Itasca	\$96	Bensenville	\$114	Bensenville	\$123
Average	\$84	Bensenville	\$106	Itasca	\$125
		Itasca	\$117	Itasca	\$125
		Average	\$ 90	Average	\$ 98
			\$ 95	Average	\$100

The rate study comparison shows that the Village has comparatively higher rates than other communities but not appreciably from those neighboring communities with WWTPs (such as Wood Dale and Itasca). Generally, the overall trend is that communities are actively increasing their rates each year to keep pace with the true cost of providing clean, safe, reliable drinking water and treating wastewater to comply with regulatory agency requirements and maintain a healthy environment.

⁶ Based on a residential average monthly usage of 6,000 gallons of water.

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 5/14/2014

UTILITY FUND BASELINE REVENUE AND EXPENSE PROJECTIONS

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
REVENUES									
Operating Revenues - Water Fund									
Water Sales - Usage Rates		3,100,000	3,019,067	3,019,067	3,019,067	3,019,067	3,019,067	3,019,067	3,019,067
Water Sales - Debt Service	N/A	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Water Sales - Fixed (Base) Charges	N/A	260,000	269,934	269,934	269,934	269,934	269,934	269,934	269,934
Capital Recovery	N/A	1,350,000							
Water			1,204,200	1,204,200	1,204,200	1,204,200	1,204,200	1,204,200	1,204,200
Penalties	0%	62,500	62,500	62,500	62,500	62,500	62,500	62,500	62,500
UT Penalty-Leins/NSF/Metr Tamp	0%	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
Meters and Material	0%	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Unincorporated Capital Recovery Fee	N/A		37,229	37,229	37,229	37,229	37,229	37,229	37,229
Capital Surcharge	0%	-	-	-	-	-	-	-	-
Total Operating Revenues - Water Fund		4,881,500	4,701,929						
Non-Operating Revenues - Water Fund									
Interest Income	0%	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Transfer In	0%	-	-	-	-	-	-	-	-
Grant Revenue	N/A	-	-	-	-	-	-	-	-
Miscellaneous	0%	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Total Revenues - Water Fund		4,885,000	4,705,429						

UTILITY FUND BASELINE REVENUE AND EXPENSE PROJECTIONS

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
Operating Revenues - Sewer Fund									
Capital Recovery	N/A	1,350,000							
Sewer			1,301,400	1,301,400	1,301,400	1,301,400	1,301,400	1,301,400	1,301,400
Penalties	0%	62,500	62,500	62,500	62,500	62,500	62,500	62,500	62,500
UT Penalty-Leins/NSF/Metr Tamp	0%	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
Sewer Fees - Usage Rates		2,869,650	2,302,744	2,302,744	2,302,744	2,302,744	2,302,744	2,302,744	2,302,744
Sewer Fees - Fixed (Base) Charges	N/A	445,000	536,857	536,857	536,857	536,857	536,857	536,857	536,857
Sewer Fees - Pretreatment	N/A	480,000	480,000	480,000	480,000	480,000	480,000	480,000	480,000
Sewer Fees - Pretreatment Sampling and Analysis	0%	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000
Sewer Fees - Pretreatment Elk Grove	0%	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000
Unincorporated Capital Recovery Fee	N/A		37,229	37,229	37,229	37,229	37,229	37,229	37,229
Capital Surcharge	0%		-	-	-	-	-	-	-
Total Operating Revenues - Sewer Fund		5,346,150	4,859,730	4,859,730	4,859,730	4,859,730	4,859,730	4,859,730	4,859,730
Non-Operating Revenues									
Interest Income	0%	5,000	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Debt Proceeds: Sewer		15,454,000	15,454,000	13,244,983	-	-	-	-	-
Transfer In	0%	-	-	-	-	-	-	-	-
Capital Surcharge - Sewer	N/A	-	-	-	-	-	-	-	-
Miscellaneous	0%	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Total Revenues - Sewer Fund		20,806,150	20,317,230	18,108,213	4,863,230	4,863,230	4,863,230	4,863,230	4,863,230
Total Revenues - Water & Sewer		\$25,691,150	\$25,022,659	\$22,813,642	\$9,568,659	\$9,568,659	\$9,568,659	\$9,568,659	\$9,568,659

ADMIN EXPENSES

51030250 Utility Billing									
Salaries - Full-time	3%	204,000	204,000	210,000	216,000	222,000	229,000	236,000	243,000
Salaries - Part-time	3%	31,700	31,700	32,700	33,700	34,700	35,700	36,800	37,900
Overtime	3%	6,000	6,000	6,200	6,400	6,600	6,800	7,000	7,200
Social Security	5%	15,000	15,000	15,800	16,600	17,400	18,300	19,200	20,200
Medicare	5%	3,550	3,550	3,700	3,900	4,100	4,300	4,500	4,700
IMRF	5%	30,600	30,600	32,100	33,700	35,400	37,200	39,100	41,100
Insurance	6%	27,600	27,600	29,300	31,100	33,000	35,000	37,100	39,300
Postage	2%	27,000	27,000	27,500	28,100	28,700	29,300	29,900	30,500
Bank/Credit Card Fees	2%	22,000	22,000	22,400	22,800	23,300	23,800	24,300	24,800
Other Contractual Services	2%	13,000	13,000	13,300	13,600	13,900	14,200	14,500	14,800
Office Supplies	2%	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

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UTILITY FUND BASELINE REVENUE AND EXPENSE PROJECTIONS

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
51050110 Public Works Administration									
Salaries - Full-time	3%	279,000	279,000	287,000	296,000	305,000	314,000	323,000	333,000
Bonus	4%	-	-	-	-	-	-	-	-
Overtime	3%	-	-	-	-	-	-	-	-
Social Security	5%	17,300	17,300	18,200	19,100	20,100	21,100	22,200	23,300
Medicare	5%	4,100	4,100	4,300	4,500	4,700	4,900	5,100	5,400
IMRF	5%	36,000	36,000	37,800	39,700	41,700	43,800	46,000	48,300
Insurance	6%	44,545	44,545	47,200	50,000	53,000	56,200	59,600	63,200
Memberships and Dues	2%	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Education, Seminars, and Meetings	2%	5,000	5,000	5,100	5,200	5,300	5,400	5,500	5,600
Transportation and Travel	2%	-	-	-	-	-	-	-	-
Publications	2%	-	-	-	-	-	-	-	-
Professional Services	2%	-	-	-	-	-	-	-	-
Engineering Services	2%	-	-	-	-	-	-	-	-
Postage	2%	-	-	-	-	-	-	-	-
Legal Notices	2%	350	350	360	370	380	390	400	410
Printing	2%	500	500	510	520	530	540	550	560
Physical Exams	2%	200	200	200	200	200	200	200	200
R&M Communication System	2%	200	200	200	200	200	200	200	200
R&M Building	2%	-	-	-	-	-	-	-	-
Other Contractual Services	2%	5,000	5,000	5,100	5,200	5,300	5,400	5,500	5,600
Office Supplies	2%	6,000	6,000	6,100	6,200	6,300	6,400	6,500	6,600
Uniforms	2%	500	500	510	520	530	540	550	560
Permits & Licenses	2%	18,000	18,000	18,400	18,800	19,200	19,600	20,000	20,400
Depreciation Expense	2%	-	-	-	-	-	-	-	-
Amortization of Premium / Discount	2%	-	-	-	-	-	-	-	-
Transfer to Storm Water (To 51200000)	0%	-	-	-	-	-	-	-	-
TOTAL ADMIN EXPENSES		800,645	800,645	827,480	855,910	885,040	915,770	947,200	980,330
Water Share Administrative Expenses (50%)		400,323	400,323	413,740	427,955	442,520	457,885	473,600	490,165
Sewer Share Administrative Expenses (50%)		400,323	400,323	413,740	427,955	442,520	457,885	473,600	490,165

UTILITY FUND BASELINE REVENUE AND EXPENSE PROJECTIONS

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
WATER FUND									
Direct Cost for Water Purchase									
DuPage Water Comm. - Fixed Chg.									
DuPage Water Comm. - Fixed Chg.	0%	182,250	182,000	189,000	270,000	351,000	351,000	351,000	351,000
DuPage Water Comm. - Water Purchase		2,241,000	2,679,750	3,159,000	3,449,250	3,552,728	3,659,309	3,769,089	3,882,161
5105043 Meter Program (5020 Water Customer Service)									
R&M Material and Equipment									
Telephone	0%	500	500	500	500	500	500	500	500
Maintenance Agreements	0%	19,100	19,100	19,100	19,100	19,100	19,100	19,100	19,100
Rental and Lease Purchase	0%	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Rental and Lease - Equipment	0%	-	-	-	-	-	-	-	-
Fuel, Gas, and Oil	0%	-	-	-	-	-	-	-	-
Water Meters	0%	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
5105040 Water Distribution									
Salaries - Full-time	3%	284,500	284,500	293,040	301,830	310,880	320,210	329,820	339,710
Salaries - Part-time	3%	49,000	49,000	50,470	51,980	53,540	55,150	56,800	58,500
Overtime	5%	55,000	55,000	57,750	60,640	63,670	66,850	70,190	73,700
Social Security	5%	24,100	24,100	25,310	26,580	27,910	29,310	30,780	32,320
Medicare	5%	5,700	5,700	5,990	6,290	6,600	6,930	7,280	7,640
IMRF	5%	47,000	47,000	49,350	51,820	54,410	57,130	59,990	62,990
Insurance	6%	53,950	53,950	57,190	60,620	64,260	68,120	72,210	76,540
Education, Seminars, and Meetings	2%	-	-	-	-	-	-	-	-
Transportation and Travel	2%	-	-	-	-	-	-	-	-
Publications	2%	-	-	-	-	-	-	-	-
Physical Exams	2%	-	-	-	-	-	-	-	-
Maintenance Agreements	2%	-	-	-	-	-	-	-	-
R&M Material and Equipment	2%	-	-	-	-	-	-	-	-
R&M Vehicles	2%	21,600	21,600	22,030	22,470	22,920	23,380	23,850	24,330
R&M Communication System	2%	-	-	-	-	-	-	-	-
R&M Pavement	2%	-	-	-	-	-	-	-	-
R&M Right of Way	2%	25,000	25,000	25,500	26,010	26,530	27,060	27,600	28,150
Rental and Lease Purchase	2%	5,000	5,000	5,100	5,200	5,300	5,410	5,520	5,630
Rental and Lease - Equipment	2%	-	-	-	-	-	-	-	-
Other Contractual Services	3%	210,000	210,000	210,000	210,000	210,000	210,000	210,000	210,000
Photo Supplies	2%	-	-	-	-	-	-	-	-
Office Supplies	2%	-	-	-	-	-	-	-	-
Materials & Supplies - Traffic Safety	2%	5,000	5,000	5,100	5,200	5,300	5,410	5,520	5,630
Materials & Supplies - Water Mains	2%	130,000	130,000	132,600	135,250	137,960	140,720	143,530	146,400

UTILITY FUND BASELINE REVENUE AND EXPENSE PROJECTIONS

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
Materials & Supplies - Gravel/Asphalt	2%	20,000	20,000	20,400	20,810	21,230	21,650	22,080	22,520
Paint	2%	1,000	1,000	1,020	1,040	1,060	1,080	1,100	1,120
Fuel, Gas, and Oil	4%	50,000	50,000	52,000	54,080	56,240	58,490	60,830	63,260
Small Tools and Equipment	2%	30,000	30,000	30,600	31,210	31,830	32,470	33,120	33,780
Uniforms	2%	2,500	2,500	2,550	2,600	2,650	2,700	2,750	2,810
Disposal Charges	2%	25,000	25,000	25,500	26,010	26,530	27,060	27,600	28,150
Machinery and Equipment	2%	-	-	-	-	-	-	-	-
51050550 Water Production									
Salaries - Full-time	3%	102,500	102,500	105,580	108,750	112,010	115,370	118,830	122,390
Overtime	3%	15,000	15,000	15,450	15,910	16,390	16,880	17,390	17,910
Social Security	5%	7,300	7,300	7,670	8,050	8,450	8,870	9,310	9,780
Medicare	5%	1,750	1,750	1,840	1,930	2,030	2,130	2,240	2,350
IMRF	5%	15,300	15,300	16,070	16,870	17,710	18,600	19,530	20,510
Insurance	3%	33,045	33,045	34,040	35,060	36,110	37,190	38,310	39,460
Education, Seminars, and Meetings	2%	-	-	-	-	-	-	-	-
Electricity	3%	70,000	70,000	72,100	74,260	76,490	78,780	81,140	83,570
Natural Gas	3%	-	-	-	-	-	-	-	-
Maintenance Agreements	2%	2,000	2,000	2,040	2,080	2,120	2,160	2,200	2,240
R&M Material and Equipment	2%	-	-	-	-	-	-	-	-
R&M Vehicles	2%	1,900	1,900	1,940	1,980	2,020	2,060	2,100	2,140
R&M Communication System	2%	-	-	-	-	-	-	-	-
Laboratory Testing	2%	25,000	25,000	25,500	26,010	26,530	27,060	27,600	28,150
Rental and Lease	2%	1,000	1,000	1,020	1,040	1,060	1,080	1,100	1,120
Other Contractual Services	3%	25,000	25,000	25,750	26,520	27,320	28,140	28,980	29,850
Paint	2%	5,500	5,500	5,610	5,720	5,830	5,950	6,070	6,190
Fuel, Gas, and Oil	4%	-	-	-	-	-	-	-	-
Small Tools and Equipment	2%	1,000	1,000	1,020	1,040	1,060	1,080	1,100	1,120
Uniforms	2%	-	-	-	-	-	-	-	-
WATER FUND EXPENSES		3,804,495	4,242,995	4,765,730	5,174,710	5,398,278	5,545,389	5,697,159	5,853,721

UTILITY FUND BASELINE REVENUE AND EXPENSE PROJECTIONS

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
SEWER FUND									
51050560 Wastewater Conveyance									
Salaries - Full-time	3%	152,500	152,500	157,080	161,790	166,640	171,640	176,790	182,090
Social Security	4%	9,500	9,500	9,880	10,280	10,690	11,120	11,560	12,020
Medicare	5%	2,250	2,250	2,360	2,480	2,600	2,730	2,870	3,010
IMRF	5%	19,800	19,800	20,790	21,830	22,920	24,070	25,270	26,530
Insurance	3%	54,850	54,850	56,500	58,200	59,950	61,750	63,600	65,510
Rental & Lease Purchase	3%	2,000	2,000	2,060	2,120	2,180	2,250	2,320	2,390
R&M Material and Equipment	2%	3,000	3,000	3,060	3,120	3,180	3,240	3,300	3,370
R&M Right of Way	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Other Contractual Services	2%	31,000	31,000	31,620	32,250	32,900	33,560	34,230	34,910
Gravel / Asphalt	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Small Tools	2%	2,000	2,000	2,040	2,080	2,120	2,160	2,200	2,240
Disposal Charges	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Chemicals	2%	-	-	-	-	-	-	-	-
51050570 Wastewater Treatment									
Salaries - Full-time	5%	508,500	508,500	533,900	560,600	588,600	618,000	648,900	681,300
Salaries - Part-time	5%	-	-	-	-	-	-	-	-
Overtime	5%	-	-	-	-	-	-	-	-
Social Security	5%	31,500	31,500	33,080	34,730	36,470	38,290	40,200	42,210
Medicare	5%	7,400	7,400	7,770	8,160	8,570	9,000	9,450	9,920
IMRF	5%	65,800	65,800	69,090	72,540	76,170	79,980	83,980	88,180
Insurance	3%	129,550	129,550	133,440	137,440	141,560	145,810	150,380	154,690
Membership Dues	2%	2,000	2,000	2,040	2,080	2,120	2,160	2,200	2,240
Education Seminars	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Professional Services	2%	-	-	-	-	-	-	-	-
Engineering Services	2%	37,500	37,500	38,250	39,020	39,800	40,600	41,410	42,240
Telephone	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Electricity	2%	350,000	350,000	357,000	364,140	371,420	378,850	386,430	394,160
Raw Materials and Equipment	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
R&M Vehicles	2%	15,000	15,000	15,300	15,610	15,920	16,240	16,560	16,890
Office Supplies	2%	7,000	7,000	7,140	7,280	7,430	7,580	7,730	7,880
Lab Supplies	2%	5,000	5,000	5,100	5,200	5,300	5,410	5,520	5,630
Fuel / Gas / Oil	2%	5,000	5,000	5,100	5,200	5,300	5,410	5,520	5,630
Chemicals	2%	75,000	75,000	76,500	78,030	79,590	81,180	82,800	84,460
Small Tools	2%	24,500	24,500	24,990	25,490	26,000	26,520	27,050	27,590
Uniforms	2%	3,000	3,000	3,060	3,120	3,180	3,240	3,300	3,370

UTILITY FUND BASELINE REVENUE AND EXPENSE PROJECTIONS

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
R&M Right of Way	2%	-	-	-	-	-	-	-	-
Laboratory Testing	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Variable Cost Expense (Electricity, Gas, Etc)	3%	-	-	-	-	-	-	-	-
Other Contractual Service (United Water)	1%	-	-	-	-	-	-	-	-
Other Contractual Service	2%	342,000	342,000	348,840	355,820	362,940	370,200	377,600	385,150
Rental & Lease Purchase	2%	3,500	3,500	3,570	3,640	3,710	3,780	3,860	3,940
51050577 Wastewater-Pretreatment									
Salaries – Full-time	4%	23,500	23,500	24,440	25,420	26,440	27,500	28,600	29,740
Overtime	4%	-	-	-	-	-	-	-	-
Social Security	5%	1,450	1,450	1,520	1,600	1,680	1,760	1,850	1,940
Medicare	5%	350	350	370	390	410	430	450	470
IMRF	5%	3,000	3,000	3,150	3,310	3,480	3,650	3,830	4,020
Insurance	3%	-	-	-	-	-	-	-	-
Education, Seminars, and Meetings	2%	-	-	-	-	-	-	-	-
Transportation and Travel	2%	-	-	-	-	-	-	-	-
Engineering Services - Environmental	2%	100,000	100,000	102,000	104,040	106,120	108,240	110,400	112,610
Printing	2%	-	-	-	-	-	-	-	-
R&M Material and Equipment	2%	-	-	-	-	-	-	-	-
R&M Vehicles	2%	-	-	-	-	-	-	-	-
Laboratory Testing	2%	65,000	65,000	66,300	67,630	68,980	70,360	71,770	73,210
Other Contractual Services	2%	4,000	4,000	4,080	4,160	4,240	4,320	4,410	4,500
Materials & Supplies - Vehicles	2%	-	-	-	-	-	-	-	-
Materials & Supplies - Laboratory	2%	-	-	-	-	-	-	-	-
Fuel, Gas, and Oil	3%	-	-	-	-	-	-	-	-
Chemicals	2%	-	-	-	-	-	-	-	-
Small Tools and Equipment	2%	-	-	-	-	-	-	-	-
Uniforms	2%	-	-	-	-	-	-	-	-
SEWER FUND EXPENSES		2,156,450	2,156,450	2,222,820	2,291,600	2,362,880	2,436,770	2,513,420	2,592,860
51080800 CIP Municipal Facilities									
Buildings	3%	-	-	-	-	-	-	-	-
Furniture & Fixtures	3%	-	-	-	-	-	-	-	-
Machinery & Equipment	3%	-	-	-	-	-	-	-	-
Fleet	3%	65,000	65,000	66,950	68,960	71,030	73,160	75,350	77,610
Sub-Total CIP Municipal Facilities		65,000	65,000	66,950	68,960	71,030	73,160	75,350	77,610
Water Share of Municipal Facilities (50%)		32,500	32,500	33,475	34,480	35,515	36,580	37,675	38,805
Sewer Share of Municipal Facilities (50%)		32,500	32,500	33,475	34,480	35,515	36,580	37,675	38,805

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 5/14/2014

UTILITY FUND BASELINE REVENUE AND EXPENSE PROJECTIONS

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
CAPITAL PROJECTS - WATER									
51080860 CIP Water System		2,891,000	2,891,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Sub-Total Capital Projects - Water		\$2,891,000	\$2,891,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000
CAPITAL PROJECTS - SEWER									
51080870 CIP Sanitary Sewer System		250,000	250,000	900,000	900,000	900,000	900,000	900,000	900,000
51080880 CIP WWTP		15,454,000	15,454,000	13,244,983	-	-	-	-	-
Sub-Total Capital Projects - Sewer		\$15,704,000	\$15,704,000	\$14,144,983	\$900,000	\$900,000	\$900,000	\$900,000	\$900,000
51090920 Debt Service									
Existing Bonds (Restructured) and 2012 Bonds		957,825	957,825	875,785	876,540	878,648	875,255	906,315	906,315
Debt Service Fees		3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Lien Processing		-	-	-	-	-	-	-	-
Sub-Total Debt Service		\$960,825	\$960,825	\$878,785	\$879,540	\$881,648	\$878,255	\$909,315	\$909,315
Water Share of Debt Service (50%)		\$480,413	\$480,413	\$439,393	\$439,770	\$440,824	\$439,128	\$454,658	\$454,658
Sewer Share of Debt Service (50%)		\$480,413	\$480,413	\$439,393	\$439,770	\$440,824	\$439,128	\$454,658	\$454,658
Debt Service - IEPA Loans (WWTP Phase I and II)		-	-	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000
Transfer to General Fund		540,000	540,000	400,000	412,000	424,400	437,100	450,200	463,700
Water Share of Transfer to General Fund (50%)		270,000	270,000	200,000	206,000	212,200	218,550	225,100	231,850
Sewer Share of Transfer to General Fund (50%)		270,000	270,000	200,000	206,000	212,200	218,550	225,100	231,850
Total Water Expenses		\$ 7,878,730	\$ 8,317,230	\$ 7,352,338	\$ 7,782,915	\$ 8,029,337	\$ 8,197,532	\$ 8,388,191	\$ 8,569,199
Total Sewer Expenses		\$ 19,043,685	\$ 19,043,685	\$ 19,254,411	\$ 6,099,805	\$ 6,193,939	\$ 6,288,913	\$ 6,404,453	\$ 6,508,338
Total Expenses - Water & Sewer		\$ 26,922,415	\$ 27,360,915	\$ 26,606,748	\$ 13,882,720	\$ 14,223,276	\$ 14,486,444	\$ 14,792,644	\$ 15,077,536

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
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UTILITY FUND BASELINE REVENUE AND EXPENSE PROJECTIONS

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
Beginning Operating Balance - Water		1,441,199	1,441,199	(2,170,602)	(4,817,511)	(7,894,997)	(11,218,904)	(14,711,007)	(18,393,769)
Total Revenues		4,885,000	4,705,429	4,705,429	4,705,429	4,705,429	4,705,429	4,705,429	4,705,429
Total Expenses		7,878,730	8,317,230	7,352,338	7,782,915	8,029,337	8,197,532	8,388,191	8,569,199
Net Operating Income (Loss)		(2,993,730)	(3,611,801)	(2,646,908)	(3,077,486)	(3,323,907)	(3,492,103)	(3,682,762)	(3,863,770)
Ending Operating Balance		(1,552,532)	(2,170,602)	(4,817,511)	(7,894,997)	(11,218,904)	(14,711,007)	(18,393,769)	(22,257,538)
Target Fund Balance		951,124	1,060,749	1,191,433	1,293,678	1,349,569	1,386,347	1,424,290	1,463,430
Beginning Operating Balance - Sewer		6,109,051	6,109,051	7,382,595	6,236,397	4,999,822	3,669,112	2,243,429	702,206
Total Revenues		20,806,150	20,317,230	18,108,213	4,863,230	4,863,230	4,863,230	4,863,230	4,863,230
Total Revenues Less Debt Proceeds		5,352,150	4,863,230	4,863,230	4,863,230	4,863,230	4,863,230	4,863,230	4,863,230
Total Expenses		19,043,685	19,043,685	19,254,411	6,099,805	6,193,939	6,288,913	6,404,453	6,508,338
Total Expenses Less Debt Funded Construction		3,589,685	3,589,685	6,009,428	6,099,805	6,193,939	6,288,913	6,404,453	6,508,338
Net Operating Income (Loss)		1,762,465	1,273,545	(1,146,198)	(1,236,575)	(1,330,709)	(1,425,683)	(1,541,223)	(1,645,108)
Ending Operating Balance		7,871,516	7,382,595	6,236,397	4,999,822	3,669,112	2,243,429	702,206	(942,901)
Target Fund Balance		539,113	539,113	555,705	572,900	590,720	609,193	628,355	648,215
Beginning Operating Balance - Combined Water & Sewer		7,550,249	7,550,249	5,211,993	1,418,886	(2,895,175)	(7,549,792)	(12,467,577)	(17,691,562)
Total Revenues		25,691,150	25,022,659	22,813,642	9,568,659	9,568,659	9,568,659	9,568,659	9,568,659
Total Revenues Less Debt Proceeds		10,237,150	9,568,659	9,568,659	9,568,659	9,568,659	9,568,659	9,568,659	9,568,659
Total Expenses		26,922,415	27,360,915	26,606,748	13,882,720	14,223,276	14,486,444	14,792,644	15,077,536
Total Expenses Less Debt Funded Construction		11,468,415	11,906,915	13,361,765	13,882,720	14,223,276	14,486,444	14,792,644	15,077,536
Net Operating Income (Loss)		(1,231,265)	(2,338,256)	(3,793,106)	(4,314,061)	(4,654,617)	(4,917,786)	(5,223,985)	(5,508,878)
Ending Operating Balance		6,318,984	5,211,993	1,418,886	(2,895,175)	(7,549,792)	(12,467,577)	(17,691,562)	(23,200,440)
Target Fund Balance		1,490,236	1,599,861	1,747,138	1,866,578	1,940,289	1,995,540	2,052,645	2,111,645

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

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UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 1

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
REVENUES									
Operating Revenues - Water Fund									
Water Sales - Usage Rates		3,100,000	3,185,382	3,608,421	3,940,566	4,301,599	4,696,103	5,128,402	5,601,521
Water Sales - Debt Service	N/A	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Water Sales - Fixed (Base) Charges	N/A	260,000	282,540	317,805	347,036	378,852	413,747	451,969	493,714
Capital Recovery	N/A	1,350,000							
Water			1,260,900	1,416,600	1,544,400	1,687,500	1,842,300	2,012,400	2,198,700
Penalties	0%	62,500	62,500	62,500	62,500	62,500	62,500	62,500	62,500
UT Penalty-Leins/NSF/Metr Tamp	0%	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
Meters and Material	0%	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Unincorporated Capital Recovery Fee	N/A		18,614	-	-	-	-	-	-
Capital SurchARGE	0%	-	-	-	-	-	-	-	-
Total Operating Revenues - Water Fund		4,881,500	4,918,936	5,514,326	6,003,501	6,539,451	7,123,650	7,764,272	8,465,435
Non-Operating Revenues - Water Fund									
Interest Income	0%	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Transfer In	0%	-	-	-	-	-	-	-	-
Grant Revenue	N/A	-	-	-	-	-	-	-	-
Miscellaneous	0%	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Total Revenues - Water Fund		4,885,000	4,922,436	5,517,826	6,007,001	6,542,951	7,127,150	7,767,772	8,468,935

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 1

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
Operating Revenues - Sewer Fund									
Capital Recovery	N/A	1,350,000							
Sewer	0%	62,500	62,500	62,500	62,500	62,500	62,500	62,500	62,500
Penalties	0%	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
UT Penalty-Leins/NSF/Metr Tamp	0%	2,869,650	2,408,489	2,707,829	2,958,671	3,231,745	3,530,218	3,855,895	4,209,011
Sewer Fees - Usage Rates									
Sewer Fees - Fixed (Base) Charges	N/A	445,000	562,038	632,433	690,758	754,157	823,376	899,179	982,023
Sewer Fees - Pretreatment	N/A	480,000	480,000	480,000	480,000	480,000	480,000	480,000	480,000
Sewer Fees - Pretreatment Sampling and Analysis	0%	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000
Sewer Fees - Pretreatment Elk Grove	0%	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000
Unincorporated Capital Recovery Fee	N/A	18,614	-	-	-	-	-	-	1
Capital Surcharge	0%	-	-	-	-	-	-	-	-
Total Operating Revenues - Sewer Fund		5,346,150	5,044,162	5,577,338	6,027,588	6,520,718	7,056,977	7,642,597	8,279,189
Non-Operating Revenues									
Interest Income	0%	5,000	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Debt Proceeds: Sewer		15,454,000	15,454,000	13,244,983	-	-	-	-	-
Transfer In	0%	-	-	-	-	-	-	-	-
Capital Surcharge - Sewer	N/A	-	-	-	-	-	-	-	-
Miscellaneous	0%	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Total Revenues - Sewer Fund		20,806,150	20,501,662	18,825,821	6,031,088	6,524,218	7,060,477	7,646,097	8,282,689
Total Revenues - Water & Sewer		\$25,691,150	\$25,424,098	\$24,343,647	\$12,038,090	\$13,067,169	\$14,187,627	\$15,413,868	\$16,751,624

ADMIN EXPENSES

51030250 Utility Billing									
Salaries - Full-time	3%	204,000	204,000	210,000	216,000	222,000	229,000	236,000	243,000
Salaries - Part-time	3%	31,700	31,700	32,700	33,700	34,700	35,700	36,800	37,900
Overtime	3%	6,000	6,000	6,200	6,400	6,600	6,800	7,000	7,200
Social Security	5%	15,000	15,000	15,800	16,600	17,400	18,300	19,200	20,200
Medicare	5%	3,550	3,550	3,700	3,900	4,100	4,300	4,500	4,700
IMRF	5%	30,600	30,600	32,100	33,700	35,400	37,200	39,100	41,100
Insurance	6%	27,600	27,600	29,300	31,100	33,000	35,000	37,100	39,300
Postage	2%	27,000	27,000	27,500	28,100	28,700	29,300	29,900	30,500
Bank/Credit Card Fees	2%	22,000	22,000	22,400	22,800	23,300	23,800	24,300	24,800
Other Contractual Services	2%	13,000	13,000	13,300	13,600	13,900	14,200	14,500	14,800
Office Supplies	2%	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 1

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
51050110 Public Works Administration									
Salaries - Full-time	3%	279,000	279,000	287,000	296,000	305,000	314,000	323,000	333,000
Bonus	4%	-	-	-	-	-	-	-	-
Overtime	3%	-	-	-	-	-	-	-	-
Social Security	5%	17,300	17,300	18,200	19,100	20,100	21,100	22,200	23,300
Medicare	5%	4,100	4,100	4,300	4,500	4,700	4,900	5,100	5,400
IMRF	5%	36,000	36,000	37,800	39,700	41,700	43,800	46,000	48,300
Insurance	6%	44,545	44,545	47,200	50,000	53,000	56,200	59,600	63,200
Memberships and Dues	2%	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Education, Seminars, and Meetings	2%	5,000	5,000	5,100	5,200	5,300	5,400	5,500	5,600
Transportation and Travel	2%	-	-	-	-	-	-	-	-
Publications	2%	-	-	-	-	-	-	-	-
Professional Services	2%	-	-	-	-	-	-	-	-
Engineering Services	2%	-	-	-	-	-	-	-	-
Postage	2%	-	-	-	-	-	-	-	-
Legal Notices	2%	350	350	360	370	380	390	400	410
Printing	2%	500	500	510	520	530	540	550	560
Physical Exams	2%	200	200	200	200	200	200	200	200
R&M Communication System	2%	200	200	200	200	200	200	200	200
R&M Building	2%	-	-	-	-	-	-	-	-
Other Contractual Services	2%	5,000	5,000	5,100	5,200	5,300	5,400	5,500	5,600
Office Supplies	2%	6,000	6,000	6,100	6,200	6,300	6,400	6,500	6,600
Uniforms	2%	500	500	510	520	530	540	550	560
Permits & Licenses	2%	18,000	18,000	18,400	18,800	19,200	19,600	20,000	20,400
Depreciation Expense	2%	-	-	-	-	-	-	-	-
Amortization of Premium / Discount	2%	-	-	-	-	-	-	-	-
Transfer to Storm Water (To 51200000)	0%	-	-	-	-	-	-	-	-
TOTAL ADMIN EXPENSES		800,645	800,645	827,480	855,910	885,040	915,770	947,200	980,330
Water Share Administrative Expenses (50%)		400,323	400,323	413,740	427,955	442,520	457,885	473,600	490,165
Sewer Share Administrative Expenses (50%)		400,323	400,323	413,740	427,955	442,520	457,885	473,600	490,165

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 1

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
WATER FUND									
Direct Cost for Water Purchase									
DuPage Water Comm. - Fixed Chg.									
DuPage Water Comm. - Fixed Chg.	0%	182,250	182,000	189,000	270,000	351,000	351,000	351,000	351,000
DuPage Water Comm. - Water Purchase		2,241,000	2,679,750	3,159,000	3,449,250	3,552,728	3,659,309	3,769,089	3,882,161
51050543 Meter Program (5020 Water Customer Service)									
R&M Material and Equipment									
Telephone	0%	500	500	500	500	500	500	500	500
Maintenance Agreements	0%	19,100	19,100	19,100	19,100	19,100	19,100	19,100	19,100
Rental and Lease Purchase	0%	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Rental and Lease - Equipment	0%	-	-	-	-	-	-	-	-
Fuel, Gas, and Oil	0%	-	-	-	-	-	-	-	-
Water Meters	0%	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
51050540 Water Distribution									
Salaries - Full-time									
Salaries - Part-time	3%	284,500	284,500	293,040	301,830	310,880	320,210	329,820	339,710
Overtime	3%	49,000	49,000	50,470	51,980	53,540	55,150	56,800	58,500
Social Security	5%	55,000	55,000	57,750	60,640	63,670	66,850	70,190	73,700
Medicare	5%	24,100	24,100	25,310	26,580	27,910	29,310	30,780	32,320
IMRF	5%	5,700	5,700	5,990	6,290	6,600	6,930	7,280	7,640
Insurance	6%	47,000	47,000	49,350	51,820	54,410	57,130	59,990	62,990
Education, Seminars, and Meetings	6%	53,950	53,950	57,190	60,620	64,260	68,120	72,210	76,540
Transportation and Travel	2%	-	-	-	-	-	-	-	-
Publications	2%	-	-	-	-	-	-	-	-
Physical Exams	2%	-	-	-	-	-	-	-	-
Maintenance Agreements	2%	-	-	-	-	-	-	-	-
R&M Material and Equipment	2%	-	-	-	-	-	-	-	-
R&M Vehicles	2%	21,600	21,600	22,030	22,470	22,920	23,380	23,850	24,330
R&M Communication System	2%	-	-	-	-	-	-	-	-
R&M Pavement	2%	-	-	-	-	-	-	-	-
R&M Right of Way	2%	25,000	25,000	25,500	26,010	26,530	27,060	27,600	28,150
Rental and Lease Purchase	2%	5,000	5,000	5,100	5,200	5,300	5,410	5,520	5,630
Rental and Lease - Equipment	2%	-	-	-	-	-	-	-	-
Other Contractual Services	3%	210,000	210,000	210,000	210,000	210,000	210,000	210,000	210,000
Photo Supplies	2%	-	-	-	-	-	-	-	-
Office Supplies	2%	-	-	-	-	-	-	-	-
Materials & Supplies - Traffic Safety	2%	5,000	5,000	5,100	5,200	5,300	5,410	5,520	5,630
Materials & Supplies - Water Mains	2%	130,000	130,000	132,600	135,250	137,960	140,720	143,530	146,400

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 1

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
Materials & Supplies - Gravel/Asphalt	2%	20,000	20,000	20,400	20,810	21,230	21,650	22,080	22,520
Paint	2%	1,000	1,000	1,020	1,040	1,060	1,080	1,100	1,120
Fuel, Gas, and Oil	4%	50,000	50,000	52,000	54,080	56,240	58,490	60,830	63,260
Small Tools and Equipment	2%	30,000	30,000	30,600	31,210	31,830	32,470	33,120	33,780
Uniforms	2%	2,500	2,500	2,550	2,600	2,650	2,700	2,750	2,810
Disposal Charges	2%	25,000	25,000	25,500	26,010	26,530	27,060	27,600	28,150
Machinery and Equipment	2%	-	-	-	-	-	-	-	-
51050550 Water Production									
Salaries - Full-time	3%	102,500	102,500	105,580	108,750	112,010	115,370	118,830	122,390
Overtime	3%	15,000	15,000	15,450	15,910	16,390	16,880	17,390	17,910
Social Security	5%	7,300	7,300	7,670	8,050	8,450	8,870	9,310	9,780
Medicare	5%	1,750	1,750	1,840	1,930	2,030	2,130	2,240	2,350
IMRF	5%	15,300	15,300	16,070	16,870	17,710	18,600	19,530	20,510
Insurance	3%	33,045	33,045	34,040	35,060	36,110	37,190	38,310	39,460
Education, Seminars, and Meetings	2%	-	-	-	-	-	-	-	-
Electricity	3%	70,000	70,000	72,100	74,260	76,490	78,780	81,140	83,570
Natural Gas	3%	-	-	-	-	-	-	-	-
Maintenance Agreements	2%	2,000	2,000	2,040	2,080	2,120	2,160	2,200	2,240
R&M Material and Equipment	2%	-	-	-	-	-	-	-	-
R&M Vehicles	2%	1,900	1,900	1,940	1,980	2,020	2,060	2,100	2,140
R&M Communication System	2%	-	-	-	-	-	-	-	-
Laboratory Testing	2%	25,000	25,000	25,500	26,010	26,530	27,060	27,600	28,150
Rental and Lease	2%	1,000	1,000	1,020	1,040	1,060	1,080	1,100	1,120
Other Contractual Services	3%	25,000	25,000	25,750	26,520	27,320	28,140	28,980	29,850
Paint	2%	5,500	5,500	5,610	5,720	5,830	5,950	6,070	6,190
Fuel, Gas, and Oil	4%	-	-	-	-	-	-	-	-
Small Tools and Equipment	2%	1,000	1,000	1,020	1,040	1,060	1,080	1,100	1,120
Uniforms	2%	-	-	-	-	-	-	-	-
WATER FUND EXPENSES		3,804,495	4,242,995	4,765,730	5,174,710	5,398,278	5,545,389	5,697,159	5,853,721

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 1

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
SEWER FUND									
51050560 Wastewater Conveyance									
Salaries - Full-time	3%	152,500	152,500	157,080	161,790	166,640	171,640	176,790	182,090
Social Security	4%	9,500	9,500	9,880	10,280	10,690	11,120	11,560	12,020
Medicare	5%	2,250	2,250	2,360	2,480	2,600	2,730	2,870	3,010
IMRF	5%	19,800	19,800	20,790	21,830	22,920	24,070	25,270	26,530
Insurance	3%	54,850	54,850	56,500	58,200	59,950	61,750	63,600	65,510
Rental & Lease Purchase	3%	2,000	2,000	2,060	2,120	2,180	2,250	2,320	2,390
R&M Material and Equipment	2%	3,000	3,000	3,060	3,120	3,180	3,240	3,300	3,370
R&M Right of Way	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Other Contractual Services	2%	31,000	31,000	31,620	32,250	32,900	33,560	34,230	34,910
Gravel / Asphalt	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Small Tools	2%	2,000	2,000	2,040	2,080	2,120	2,160	2,200	2,240
Disposal Charges	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Chemicals	2%	-	-	-	-	-	-	-	-
51050570 Wastewater Treatment									
Salaries - Full-time	5%	508,500	508,500	533,900	560,600	588,600	618,000	648,900	681,300
Salaries - Part-time	5%	-	-	-	-	-	-	-	-
Overtime	5%	-	-	-	-	-	-	-	-
Social Security	5%	31,500	31,500	33,080	34,730	36,470	38,290	40,200	42,210
Medicare	5%	7,400	7,400	7,770	8,160	8,570	9,000	9,450	9,920
IMRF	5%	65,800	65,800	69,090	72,540	76,170	79,980	83,980	88,180
Insurance	3%	129,550	129,550	133,440	137,440	141,560	145,810	150,180	154,690
Membership Dues	2%	2,000	2,000	2,040	2,080	2,120	2,160	2,200	2,240
Education Seminars	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Professional Services	2%	-	-	-	-	-	-	-	-
Engineering Services	2%	37,500	37,500	38,250	39,020	39,800	40,600	41,410	42,240
Telephone	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Electricity	2%	350,000	350,000	357,000	364,140	371,420	378,850	386,430	394,160
Raw Materials and Equipment	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
R&M Vehicles	2%	15,000	15,000	15,300	15,610	15,920	16,240	16,560	16,890
Office Supplies	2%	7,000	7,000	7,140	7,280	7,430	7,580	7,730	7,880
Lab Supplies	2%	5,000	5,000	5,100	5,200	5,300	5,410	5,520	5,630
Fuel / Gas / Oil	2%	5,000	5,000	5,100	5,200	5,300	5,410	5,520	5,630
Chemicals	2%	75,000	75,000	76,500	78,030	79,590	81,180	82,800	84,460
Small Tools	2%	24,500	24,500	24,990	25,490	26,000	26,520	27,050	27,590
Uniforms	2%	3,000	3,000	3,060	3,120	3,180	3,240	3,300	3,370

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 5/5/2014

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 1

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
R&M Right of Way	2%	-	-	-	-	-	-	-	-
Laboratory Testing	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Variable Cost Expense (Electricity, Gas, Etc)	3%	-	-	-	-	-	-	-	-
Other Contractual Service (United Water)	1%	-	-	-	-	-	-	-	-
Other Contractual Service	2%	342,000	342,000	348,840	355,820	362,940	370,200	377,600	385,150
Rental & Lease Purchase	2%	3,500	3,500	3,570	3,640	3,710	3,780	3,860	3,940
51050577 Wastewater-Pretreatment									
Salaries - Full-time	4%	23,500	23,500	24,440	25,420	26,440	27,500	28,600	29,740
Overtime	4%	-	-	-	-	-	-	-	-
Social Security	5%	1,450	1,450	1,520	1,600	1,680	1,760	1,850	1,940
Medicare	5%	350	350	370	390	410	430	450	470
IMRF	5%	3,000	3,000	3,150	3,310	3,480	3,650	3,830	4,020
Insurance	3%	-	-	-	-	-	-	-	-
Education, Seminars, and Meetings	2%	-	-	-	-	-	-	-	-
Transportation and Travel	2%	-	-	-	-	-	-	-	-
Engineering Services - Environmental	2%	100,000	100,000	102,000	104,040	106,120	108,240	110,400	112,610
Printing	2%	-	-	-	-	-	-	-	-
R&M Material and Equipment	2%	-	-	-	-	-	-	-	-
R&M Vehicles	2%	-	-	-	-	-	-	-	-
Laboratory Testing	2%	65,000	65,000	66,300	67,630	68,980	70,360	71,770	73,210
Other Contractual Services	2%	4,000	4,000	4,080	4,160	4,240	4,320	4,410	4,500
Materials & Supplies - Vehicles	2%	-	-	-	-	-	-	-	-
Materials & Supplies - Laboratory	2%	-	-	-	-	-	-	-	-
Fuel, Gas, and Oil	3%	-	-	-	-	-	-	-	-
Chemicals	2%	-	-	-	-	-	-	-	-
Small Tools and Equipment	2%	-	-	-	-	-	-	-	-
Uniforms	2%	-	-	-	-	-	-	-	-
SEWER FUND EXPENSES		2,156,450	2,156,450	2,222,820	2,291,600	2,362,880	2,436,770	2,513,420	2,592,860
51080800 CIP Municipal Facilities									
Buildings	3%	-	-	-	-	-	-	-	-
Furniture & Fixtures	3%	-	-	-	-	-	-	-	-
Machinery & Equipment	3%	-	-	-	-	-	-	-	-
Fleet	3%	65,000	65,000	66,950	68,960	71,030	73,160	75,350	77,610
Sub-Total CIP Municipal Facilities		65,000	65,000	66,950	68,960	71,030	73,160	75,350	77,610
Water Share of Municipal Facilities (50%)		32,500	32,500	33,475	34,480	35,515	36,580	37,675	38,805
Sewer Share of Municipal Facilities (50%)		32,500	32,500	33,475	34,480	35,515	36,580	37,675	38,805

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 1

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
CAPITAL PROJECTS - WATER									
51080860 CIP Water System		2,891,000	2,891,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Sub-Total Capital Projects - Water		\$2,891,000	\$2,891,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000
CAPITAL PROJECTS - SEWER									
51080870 CIP Sanitary Sewer System		250,000	250,000	900,000	900,000	900,000	900,000	900,000	900,000
51080880 CIP WWTP		15,454,000	15,454,000	13,244,983	-	-	-	-	-
Sub-Total Capital Projects - Sewer		\$15,704,000	\$15,704,000	\$14,144,983	\$900,000	\$900,000	\$900,000	\$900,000	\$900,000
51090920 Debt Service									
Existing Bonds (Restructured) and 2012 Bonds		957,825	957,825	875,785	876,540	878,648	875,255	906,315	906,315
Debt Service Fees		3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Lien Processing		-	-	-	-	-	-	-	-
Sub-Total Debt Service		\$960,825	\$960,825	\$878,785	\$879,540	\$881,648	\$878,255	\$909,315	\$909,315
Water Share of Debt Service (50%)		\$480,413	\$480,413	\$439,393	\$439,770	\$440,824	\$439,128	\$454,658	\$454,658
Sewer Share of Debt Service (50%)		\$480,413	\$480,413	\$439,393	\$439,770	\$440,824	\$439,128	\$454,658	\$454,658
Debt Service - IEPA Loans (WWTP Phase I and II)									
Transfer to General Fund		540,000	540,000	400,000	412,000	424,400	437,100	450,200	463,700
Water Share of Transfer to General Fund (50%)		270,000	270,000	200,000	206,000	212,200	218,550	225,100	231,850
Sewer Share of Transfer to General Fund (50%)		270,000	270,000	200,000	206,000	212,200	218,550	225,100	231,850
Total Water Expenses		\$ 7,878,730	\$ 8,317,230	\$ 7,352,338	\$ 7,782,915	\$ 8,029,337	\$ 8,197,532	\$ 8,388,191	\$ 8,569,199
Total Sewer Expenses		\$ 19,043,685	\$ 19,043,685	\$ 19,254,411	\$ 6,099,805	\$ 6,193,939	\$ 6,288,913	\$ 6,404,453	\$ 6,508,338
Total Expenses - Water & Sewer		\$ 26,922,415	\$ 27,360,915	\$ 26,606,748	\$ 13,882,720	\$ 14,223,276	\$ 14,486,444	\$ 14,792,644	\$ 15,077,536

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 1

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
Beginning Operating Balance - Water		1,441,199	1,441,199	(1,953,596)	(3,788,107)	(5,564,021)	(7,050,406)	(8,120,788)	(8,741,207)
Total Revenues		4,885,000	4,922,436	5,517,826	6,007,001	6,542,951	7,127,150	7,767,772	8,468,935
Total Expenses		7,878,730	8,317,230	7,352,338	7,782,915	8,029,337	8,197,532	8,388,191	8,569,199
Net Operating Income (Loss)		(2,993,730)	(3,394,794)	(1,834,512)	(1,775,914)	(1,486,385)	(1,070,381)	(620,420)	(100,263)
Ending Operating Balance		(1,552,532)	(1,953,596)	(3,788,107)	(5,564,021)	(7,050,406)	(8,120,788)	(8,741,207)	(8,841,471)
Target Fund Balance		951,124	1,060,749	1,191,433	1,293,678	1,349,569	1,386,347	1,424,290	1,463,430
Beginning Operating Balance - Sewer		6,109,051	6,109,051	7,567,027	7,138,438	7,069,721	7,400,000	8,171,565	9,413,209
Total Revenues		20,806,150	20,501,662	18,825,821	6,031,088	6,524,218	7,060,477	7,646,097	8,282,689
Total Revenues Less Debt Proceeds		5,352,150	5,047,662	5,580,838	6,031,088	6,524,218	7,060,477	7,646,097	8,282,689
Total Expenses		19,043,685	19,043,685	19,254,411	6,099,805	6,193,939	6,288,913	6,404,453	6,508,338
Total Expenses Less Debt Funded Construction		3,589,685	3,589,685	6,009,428	6,099,805	6,193,939	6,288,913	6,404,453	6,508,338
Net Operating Income (Loss)		1,762,465	1,457,977	(428,590)	(68,717)	330,279	771,564	1,241,644	1,774,352
Ending Operating Balance		7,871,516	7,567,027	7,138,438	7,069,721	7,400,000	8,171,565	9,413,209	11,187,561
Target Fund Balance		539,113	539,113	555,705	572,900	590,720	609,193	628,355	648,215
Beginning Operating Balance - Combined Water & Sewer		7,550,249	7,550,249	5,613,432	3,350,331	1,505,700	349,594	50,777	672,002
Total Revenues		25,691,150	25,424,098	24,343,647	12,038,090	13,067,169	14,187,627	15,413,868	16,751,624
Total Revenues Less Debt Proceeds		10,237,150	9,970,098	11,098,664	12,038,090	13,067,169	14,187,627	15,413,868	16,751,624
Total Expenses		26,922,415	27,360,915	26,606,748	13,882,720	14,223,276	14,486,444	14,792,644	15,077,536
Total Expenses Less Debt Funded Construction		11,468,415	11,906,915	13,361,765	13,882,720	14,223,276	14,486,444	14,792,644	15,077,536
Net Operating Income (Loss)		(1,231,265)	(1,936,817)	(2,263,101)	(1,844,630)	(1,156,106)	(298,817)	621,225	1,674,088
Ending Operating Balance		6,318,984	5,613,432	3,350,331	1,505,700	349,594	50,777	672,002	2,346,090
Target Fund Balance		1,490,236	1,599,861	1,747,138	1,866,578	1,940,289	1,995,540	2,052,645	2,111,645

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 2

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
REVENUES									
Operating Revenues - Water Fund									
Water Sales - Usage Rates		3,100,000	3,276,141	3,752,123	4,033,136	4,337,307	4,663,699	5,013,250	5,390,774
Water Sales - Debt Service	N/A	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Water Sales - Fixed (Base) Charges	N/A	260,000	290,337	330,317	355,071	381,784	410,231	440,865	473,846
Capital Recovery	N/A	1,350,000							
Water			1,293,300	1,467,900	1,579,500	1,697,400	1,825,200	1,963,800	2,113,200
Penalties	0%	62,500	62,500	62,500	62,500	62,500	62,500	62,500	62,500
UT Penalty-Leins/NSF/Metr Tamp	0%	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
Meters and Material	0%	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Unincorporated Capital Recovery Fee	N/A		18,614	-	-	-	-	-	-
Capital Surcharge	0%	-	-	-	-	-	-	-	-
Total Operating Revenues - Water Fund		4,881,500	5,049,892	5,721,841	6,139,207	6,587,991	7,070,630	7,589,415	8,149,320
Non-Operating Revenues - Water Fund									
Interest Income	0%	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Transfer In	0%	-	-	-	-	-	-	-	-
Grant Revenue	N/A	-	-	-	-	-	-	-	-
Miscellaneous	0%	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Total Revenues - Water Fund		4,885,000	5,053,392	5,725,341	6,142,707	6,591,491	7,074,130	7,592,915	8,152,820

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 5/5/2014

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 2

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
Operating Revenues - Sewer Fund									
Capital Recovery	N/A	1,350,000							
Sewer			1,411,998	1,618,788	1,738,801	1,868,890	2,009,973	2,162,049	2,325,119
Penalties	0%	62,500	62,500	62,500	62,500	62,500	62,500	62,500	62,500
UT Penalty-Leins/NSF/Metr Tamp	0%	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
Sewer Fees - Usage Rates		2,869,650	2,475,679	2,815,006	3,024,525	3,250,202	3,494,901	3,757,023	4,039,339
Sewer Fees - Fixed (Base) Charges	N/A	445,000	577,556	656,887	706,151	759,040	816,134	877,272	942,977
Sewer Fees - Pretreatment	N/A	480,000	480,000	480,000	480,000	480,000	480,000	480,000	480,000
Sewer Fees - Pretreatment Sampling and Analysis	0%	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000
Sewer Fees - Pretreatment Elk Grove	0%	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000
Unincorporated Capital Recovery Fee	N/A		18,614	-	-	-	-	-	1
Capital Surcharge	0%	-	-	-	-	-	-	-	-
Total Operating Revenues - Sewer Fund		5,346,150	5,165,347	5,772,182	6,150,977	6,559,632	7,002,507	7,477,844	7,988,935
Non-Operating Revenues									
Interest Income	0%	5,000	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Debt Proceeds: Sewer		15,454,000	15,454,000	13,244,983	-	-	-	-	-
Transfer In	0%	-	-	-	-	-	-	-	-
Capital Surcharge - Sewer	N/A	-	-	-	-	-	-	-	-
Miscellaneous	0%	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Total Revenues - Sewer Fund		20,806,150	20,622,847	19,020,665	6,154,477	6,563,132	7,006,007	7,481,344	7,992,435
Total Revenues - Water & Sewer		\$25,691,150	\$25,676,240	\$24,746,005	\$12,297,184	\$13,154,623	\$14,080,138	\$15,074,260	\$16,145,256

ADMIN EXPENSES

51030250 Utility Billing									
Salaries - Full-time	3%	204,000	204,000	210,000	216,000	222,000	229,000	236,000	243,000
Salaries - Part-time	3%	31,700	31,700	32,700	33,700	34,700	35,700	36,800	37,900
Overtime	3%	6,000	6,000	6,200	6,400	6,600	6,800	7,000	7,200
Social Security	5%	15,000	15,000	15,800	16,600	17,400	18,300	19,200	20,200
Medicare	5%	3,550	3,550	3,700	3,900	4,100	4,300	4,500	4,700
IMRF	5%	30,600	30,600	32,100	33,700	35,400	37,200	39,100	41,100
Insurance	6%	27,600	27,600	29,300	31,100	33,000	35,000	37,100	39,300
Postage	2%	27,000	27,000	27,500	28,100	28,700	29,300	29,900	30,500
Bank/Credit Card Fees	2%	22,000	22,000	22,400	22,800	23,300	23,800	24,300	24,800
Other Contractual Services	2%	13,000	13,000	13,300	13,600	13,900	14,200	14,500	14,800
Office Supplies	2%	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 2

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
51050110 Public Works Administration									
Salaries - Full-time	3%	279,000	279,000	287,000	296,000	305,000	314,000	323,000	333,000
Bonus	4%	-	-	-	-	-	-	-	-
Overtime	3%	-	-	-	-	-	-	-	-
Social Security	5%	17,300	17,300	18,200	19,100	20,100	21,100	22,200	23,300
Medicare	5%	4,100	4,100	4,300	4,500	4,700	4,900	5,100	5,400
IMRF	5%	36,000	36,000	37,800	39,700	41,700	43,800	46,000	48,300
Insurance	6%	44,545	44,545	47,200	50,000	53,000	56,200	59,600	63,200
Memberships and Dues	2%	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Education, Seminars, and Meetings	2%	5,000	5,000	5,100	5,200	5,300	5,400	5,500	5,600
Transportation and Travel	2%	-	-	-	-	-	-	-	-
Publications	2%	-	-	-	-	-	-	-	-
Professional Services	2%	-	-	-	-	-	-	-	-
Engineering Services	2%	-	-	-	-	-	-	-	-
Postage	2%	-	-	-	-	-	-	-	-
Legal Notices	2%	350	350	360	370	380	390	400	410
Printing	2%	500	500	510	520	530	540	550	560
Physical Exams	2%	200	200	200	200	200	200	200	200
R&M Communication System	2%	200	200	200	200	200	200	200	200
R&M Building	2%	-	-	-	-	-	-	-	-
Other Contractual Services	2%	5,000	5,000	5,100	5,200	5,300	5,400	5,500	5,600
Office Supplies	2%	6,000	6,000	6,100	6,200	6,300	6,400	6,500	6,600
Uniforms	2%	500	500	510	520	530	540	550	560
Permits & Licenses	2%	18,000	18,000	18,400	18,800	19,200	19,600	20,000	20,400
Depreciation Expense	2%	-	-	-	-	-	-	-	-
Amortization of Premium / Discount	2%	-	-	-	-	-	-	-	-
Transfer to Storm Water (To 51200000)	0%	-	-	-	-	-	-	-	-
TOTAL ADMIN EXPENSES		800,645	800,645	827,480	855,910	885,040	915,770	947,200	980,330
Water Share Administrative Expenses (50%)		400,323	400,323	413,740	427,955	442,520	457,885	473,600	490,165
Sewer Share Administrative Expenses (50%)		400,323	400,323	413,740	427,955	442,520	457,885	473,600	490,165

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 5/5/2014

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 2

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
WATER FUND									
Direct Cost for Water Purchase									
DuPage Water Comm. - Fixed Chg.	0%	182,250	182,000	189,000	270,000	351,000	351,000	351,000	351,000
DuPage Water Comm. - Water Purchase		2,241,000	2,679,750	3,159,000	3,449,250	3,552,728	3,659,309	3,769,089	3,882,161
5105043 Meter Program <small>(5020 Water Customer Service)</small>									
R&M Material and Equipment	0%	-	-	-	-	-	-	-	-
Telephone	0%	500	500	500	500	500	500	500	500
Maintenance Agreements	0%	19,100	19,100	19,100	19,100	19,100	19,100	19,100	19,100
Rental and Lease Purchase	0%	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Rental and Lease - Equipment	0%	-	-	-	-	-	-	-	-
Fuel, Gas, and Oil	0%	-	-	-	-	-	-	-	-
Water Meters	0%	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
5105040 Water Distribution									
Salaries - Full-time	3%	284,500	284,500	293,040	301,830	310,880	320,210	329,820	339,710
Salaries - Part-time	3%	49,000	49,000	50,470	51,980	53,540	55,150	56,800	58,500
Overtime	5%	55,000	55,000	57,750	60,640	63,670	66,850	70,190	73,700
Social Security	5%	24,100	24,100	25,310	26,580	27,910	29,310	30,780	32,320
Medicare	5%	5,700	5,700	5,990	6,290	6,600	6,930	7,280	7,640
IMRF	5%	47,000	47,000	49,350	51,820	54,410	57,130	59,990	62,990
Insurance	6%	53,950	53,950	57,190	60,620	64,260	68,120	72,210	76,540
Education, Seminars, and Meetings	2%	-	-	-	-	-	-	-	-
Transportation and Travel	2%	-	-	-	-	-	-	-	-
Publications	2%	-	-	-	-	-	-	-	-
Physical Exams	2%	-	-	-	-	-	-	-	-
Maintenance Agreements	2%	-	-	-	-	-	-	-	-
R&M Material and Equipment	2%	-	-	-	-	-	-	-	-
R&M Vehicles	2%	21,600	21,600	22,030	22,470	22,920	23,380	23,850	24,330
R&M Communication System	2%	-	-	-	-	-	-	-	-
R&M Pavement	2%	-	-	-	-	-	-	-	-
R&M Right of Way	2%	25,000	25,000	25,500	26,010	26,530	27,060	27,600	28,150
Rental and Lease Purchase	2%	5,000	5,000	5,100	5,200	5,300	5,410	5,520	5,630
Rental and Lease - Equipment	2%	-	-	-	-	-	-	-	-
Other Contractual Services	3%	210,000	210,000	210,000	210,000	210,000	210,000	210,000	210,000
Photo Supplies	2%	-	-	-	-	-	-	-	-
Office Supplies	2%	-	-	-	-	-	-	-	-
Materials & Supplies - Traffic Safety	2%	5,000	5,000	5,100	5,200	5,300	5,410	5,520	5,630
Materials & Supplies - Water Mains	2%	130,000	130,000	132,600	135,250	137,960	140,720	143,530	146,400

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 2

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
Materials & Supplies - Gravel/Asphalt	2%	20,000	20,000	20,400	20,810	21,230	21,650	22,080	22,520
Paint	2%	1,000	1,000	1,020	1,040	1,060	1,080	1,100	1,120
Fuel, Gas, and Oil	4%	50,000	50,000	52,000	54,080	56,240	58,490	60,830	63,260
Small Tools and Equipment	2%	30,000	30,000	30,600	31,210	31,830	32,470	33,120	33,780
Uniforms	2%	2,500	2,500	2,550	2,600	2,650	2,700	2,750	2,810
Disposal Charges	2%	25,000	25,000	25,500	26,010	26,530	27,060	27,600	28,150
Machinery and Equipment	2%	-	-	-	-	-	-	-	-
51050550 Water Production									
Salaries - Full-time	3%	102,500	102,500	105,580	108,750	112,010	115,370	118,830	122,390
Overtime	3%	15,000	15,000	15,450	15,910	16,390	16,880	17,390	17,910
Social Security	5%	7,300	7,300	7,670	8,050	8,450	8,870	9,310	9,780
Medicare	5%	1,750	1,750	1,840	1,930	2,030	2,130	2,240	2,350
IMRF	5%	15,300	15,300	16,070	16,870	17,710	18,600	19,530	20,510
Insurance	3%	33,045	33,045	34,040	35,060	36,110	37,190	38,310	39,460
Education, Seminars, and Meetings	2%	-	-	-	-	-	-	-	-
Electricity	3%	70,000	70,000	72,100	74,260	76,490	78,780	81,140	83,570
Natural Gas	3%	-	-	-	-	-	-	-	-
Maintenance Agreements	2%	2,000	2,000	2,040	2,080	2,120	2,160	2,200	2,240
R&M Material and Equipment	2%	-	-	-	-	-	-	-	-
R&M Vehicles	2%	1,900	1,900	1,940	1,980	2,020	2,060	2,100	2,140
R&M Communication System	2%	-	-	-	-	-	-	-	-
Laboratory Testing	2%	25,000	25,000	25,500	26,010	26,530	27,060	27,600	28,150
Rental and Lease	2%	1,000	1,000	1,020	1,040	1,060	1,080	1,100	1,120
Other Contractual Services	3%	25,000	25,000	25,750	26,520	27,320	28,140	28,980	29,850
Paint	2%	5,500	5,500	5,610	5,720	5,830	5,950	6,070	6,190
Fuel, Gas, and Oil	4%	-	-	-	-	-	-	-	-
Small Tools and Equipment	2%	1,000	1,000	1,020	1,040	1,060	1,080	1,100	1,120
Uniforms	2%	-	-	-	-	-	-	-	-
WATER FUND EXPENSES		3,804,495	4,242,995	4,765,730	5,174,710	5,398,278	5,545,389	5,697,159	5,853,721

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 2

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
SEWER FUND									
51050560 Wastewater Conveyance									
Salaries - Full-time	3%	152,500	152,500	157,080	161,790	166,640	171,640	176,790	182,090
Social Security	4%	9,500	9,500	9,880	10,280	10,690	11,120	11,560	12,020
Medicare	5%	2,250	2,250	2,360	2,480	2,600	2,730	2,870	3,010
IMRF	5%	19,800	19,800	20,790	21,830	22,920	24,070	25,270	26,530
Insurance	3%	54,850	54,850	56,500	58,200	59,950	61,750	63,600	65,510
Rental & Lease Purchase	3%	2,000	2,000	2,060	2,120	2,180	2,250	2,320	2,390
R&M Material and Equipment	2%	3,000	3,000	3,060	3,120	3,180	3,240	3,300	3,370
R&M Right of Way	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Other Contractual Services	2%	31,000	31,000	31,620	32,250	32,900	33,560	34,230	34,910
Gravel / Asphalt	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Small Tools	2%	2,000	2,000	2,040	2,080	2,120	2,160	2,200	2,240
Disposal Charges	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Chemicals	2%	-	-	-	-	-	-	-	-
51050570 Wastewater Treatment									
Salaries - Full-time	5%	508,500	508,500	533,900	560,600	588,600	618,000	648,900	681,300
Salaries - Part-time	5%	-	-	-	-	-	-	-	-
Overtime	5%	-	-	-	-	-	-	-	-
Social Security	5%	31,500	31,500	33,080	34,730	36,470	38,290	40,200	42,210
Medicare	5%	7,400	7,400	7,770	8,160	8,570	9,000	9,450	9,920
IMRF	5%	65,800	65,800	69,090	72,540	76,170	79,980	83,980	88,180
Insurance	3%	129,550	129,550	133,440	137,440	141,560	145,810	150,180	154,690
Membership Dues	2%	2,000	2,000	2,040	2,080	2,120	2,160	2,200	2,240
Education Seminars	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Professional Services	2%	-	-	-	-	-	-	-	-
Engineering Services	2%	37,500	37,500	38,250	39,020	39,800	40,600	41,410	42,240
Telephone	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Electricity	2%	350,000	350,000	357,000	364,140	371,420	378,850	386,430	394,160
Raw Materials and Equipment	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
R&M Vehicles	2%	15,000	15,000	15,300	15,610	15,920	16,240	16,560	16,890
Office Supplies	2%	7,000	7,000	7,140	7,280	7,430	7,580	7,730	7,880
Lab Supplies	2%	5,000	5,000	5,100	5,200	5,300	5,410	5,520	5,630
Fuel / Gas / Oil	2%	5,000	5,000	5,100	5,200	5,300	5,410	5,520	5,630
Chemicals	2%	75,000	75,000	76,500	78,030	79,590	81,180	82,800	84,460
Small Tools	2%	24,500	24,500	24,990	25,490	26,000	26,520	27,050	27,590
Uniforms	2%	3,000	3,000	3,060	3,120	3,180	3,240	3,300	3,370

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 2

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
R&M Right of Way	2%	-	-	-	-	-	-	-	-
Laboratory Testing	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Variable Cost Expense (Electricity, Gas, Etc)	3%	-	-	-	-	-	-	-	-
Other Contractual Service (United Water)	1%	-	-	-	-	-	-	-	-
Other Contractual Service	2%	342,000	342,000	348,840	355,820	362,940	370,200	377,600	385,150
Rental & Lease Purchase	2%	3,500	3,500	3,570	3,640	3,710	3,780	3,860	3,940
51050577 Wastewater-Pretreatment									
Salaries - Full-time	4%	23,500	23,500	24,440	25,420	26,440	27,500	28,600	29,740
Overtime	4%	-	-	-	-	-	-	-	-
Social Security	5%	1,450	1,450	1,520	1,600	1,680	1,760	1,850	1,940
Medicare	5%	350	350	370	390	410	430	450	470
IMRF	5%	3,000	3,000	3,150	3,310	3,480	3,650	3,830	4,020
Insurance	3%	-	-	-	-	-	-	-	-
Education, Seminars, and Meetings	2%	-	-	-	-	-	-	-	-
Transportation and Travel	2%	-	-	-	-	-	-	-	-
Engineering Services - Environmental	2%	100,000	100,000	102,000	104,040	106,120	108,240	110,400	112,610
Printing	2%	-	-	-	-	-	-	-	-
R&M Material and Equipment	2%	-	-	-	-	-	-	-	-
R&M Vehicles	2%	-	-	-	-	-	-	-	-
Laboratory Testing	2%	65,000	65,000	66,300	67,630	68,980	70,360	71,770	73,210
Other Contractual Services	2%	4,000	4,000	4,080	4,160	4,240	4,320	4,410	4,500
Materials & Supplies - Vehicles	2%	-	-	-	-	-	-	-	-
Materials & Supplies - Laboratory	2%	-	-	-	-	-	-	-	-
Fuel, Gas, and Oil	3%	-	-	-	-	-	-	-	-
Chemicals	2%	-	-	-	-	-	-	-	-
Small Tools and Equipment	2%	-	-	-	-	-	-	-	-
Uniforms	2%	-	-	-	-	-	-	-	-
SEWER FUND EXPENSES		2,156,450	2,156,450	2,222,820	2,291,600	2,362,880	2,436,770	2,513,420	2,592,860
51080800 CIP Municipal Facilities									
Buildings	3%	-	-	-	-	-	-	-	-
Furniture & Fixtures	3%	-	-	-	-	-	-	-	-
Machinery & Equipment	3%	-	-	-	-	-	-	-	-
Fleet	3%	65,000	65,000	66,950	68,960	71,030	73,160	75,350	77,610
Sub-Total CIP Municipal Facilities		65,000	65,000	66,950	68,960	71,030	73,160	75,350	77,610
Water Share of Municipal Facilities (50%)		32,500	32,500	33,475	34,480	35,515	36,580	37,675	38,805
Sewer Share of Municipal Facilities (50%)		32,500	32,500	33,475	34,480	35,515	36,580	37,675	38,805

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 2

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
CAPITAL PROJECTS - WATER									
51080860 CIP Water System		2,891,000	2,891,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Sub-Total Capital Projects - Water		\$2,891,000	\$2,891,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000
CAPITAL PROJECTS - SEWER									
51080870 CIP Sanitary Sewer System		250,000	250,000	900,000	900,000	900,000	900,000	900,000	900,000
51080880 CIP WWTP		15,454,000	15,454,000	13,244,983	-	-	-	-	-
Sub-Total Capital Projects - Sewer		\$15,704,000	\$15,704,000	\$14,144,983	\$900,000	\$900,000	\$900,000	\$900,000	\$900,000
51090920 Debt Service									
Existing Bonds (Restructured) and 2012 Bonds		957,825	957,825	875,785	876,540	878,648	875,255	906,315	906,315
Debt Service Fees		3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Lien Processing		-	-	-	-	-	-	-	-
Sub-Total Debt Service		\$960,825	\$960,825	\$878,785	\$879,540	\$881,648	\$878,255	\$909,315	\$909,315
Water Share of Debt Service (50%)		\$480,413	\$480,413	\$439,393	\$439,770	\$440,824	\$439,128	\$454,658	\$454,658
Sewer Share of Debt Service (50%)		\$480,413	\$480,413	\$439,393	\$439,770	\$440,824	\$439,128	\$454,658	\$454,658
Debt Service - IEPA Loans (WWTP Phase I and II)									
Transfer to General Fund		540,000	540,000	400,000	412,000	424,400	437,100	450,200	463,700
Water Share of Transfer to General Fund (50%)		270,000	270,000	200,000	206,000	212,200	218,550	225,100	231,850
Sewer Share of Transfer to General Fund (50%)		270,000	270,000	200,000	206,000	212,200	218,550	225,100	231,850
Total Water Expenses		\$ 7,878,730	\$ 8,317,230	\$ 7,352,338	\$ 7,782,915	\$ 8,029,337	\$ 8,197,532	\$ 8,388,191	\$ 8,569,199
Total Sewer Expenses		\$ 19,043,685	\$ 19,043,685	\$ 19,254,411	\$ 6,099,805	\$ 6,193,939	\$ 6,288,913	\$ 6,404,453	\$ 6,508,338
Total Expenses - Water & Sewer		\$ 26,922,415	\$ 27,360,915	\$ 26,606,748	\$ 13,882,720	\$ 14,223,276	\$ 14,486,444	\$ 14,792,644	\$ 15,077,536

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 2

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
Beginning Operating Balance - Water		1,441,199	1,441,199	(1,822,639)	(3,449,636)	(5,089,844)	(6,527,690)	(7,651,091)	(8,446,367)
Total Revenues		4,885,000	5,053,392	5,725,341	6,142,707	6,591,491	7,074,130	7,592,915	8,152,820
Total Expenses		7,878,730	8,317,230	7,352,338	7,782,915	8,029,337	8,197,532	8,388,191	8,569,199
Net Operating Income (Loss)		(2,993,730)	(3,263,838)	(1,626,997)	(1,640,208)	(1,437,845)	(1,123,401)	(795,276)	(416,379)
Ending Operating Balance		(1,552,532)	(1,822,639)	(3,449,636)	(5,089,844)	(6,527,690)	(7,651,091)	(8,446,367)	(8,862,745)
Target Fund Balance		951,124	1,060,749	1,191,433	1,293,678	1,349,569	1,386,347	1,424,290	1,463,430
Beginning Operating Balance - Sewer		6,109,051	6,109,051	7,688,213	7,454,467	7,509,139	7,878,332	8,595,427	9,672,319
Total Revenues		20,806,150	20,622,847	19,020,665	6,154,477	6,563,132	7,006,007	7,481,344	7,992,435
Total Revenues Less Debt Proceeds		5,352,150	5,168,847	5,775,682	6,154,477	6,563,132	7,006,007	7,481,344	7,992,435
Total Expenses		19,043,685	19,043,685	19,254,411	6,099,805	6,193,939	6,288,913	6,404,453	6,508,338
Total Expenses Less Debt Funded Construction		3,589,685	3,589,685	6,009,428	6,099,805	6,193,939	6,288,913	6,404,453	6,508,338
Net Operating Income (Loss)		1,762,465	1,579,162	(233,746)	54,672	369,193	717,095	1,076,892	1,484,098
Ending Operating Balance		7,871,516	7,688,213	7,454,467	7,509,139	7,878,332	8,595,427	9,672,319	11,156,417
Target Fund Balance		539,113	539,113	555,705	572,900	590,720	609,193	628,355	648,215
Beginning Operating Balance - Combined Water & Sewer		7,550,249	7,550,249	5,865,574	4,004,831	2,419,294	1,350,642	944,336	1,225,952
Total Revenues		25,691,150	25,676,240	24,746,005	12,297,184	13,154,623	14,080,138	15,074,260	16,145,256
Total Revenues Less Debt Proceeds		10,237,150	10,222,240	11,501,022	12,297,184	13,154,623	14,080,138	15,074,260	16,145,256
Total Expenses		26,922,415	27,360,915	26,606,748	13,882,720	14,223,276	14,486,444	14,792,644	15,077,536
Total Expenses Less Debt Funded Construction		11,468,415	11,906,915	13,361,765	13,882,720	14,223,276	14,486,444	14,792,644	15,077,536
Net Operating Income (Loss)		(1,231,265)	(1,684,675)	(1,860,743)	(1,585,536)	(1,068,652)	(406,307)	281,616	1,067,719
Ending Operating Balance		6,318,984	5,865,574	4,004,831	2,419,294	1,350,642	944,336	1,225,952	2,293,671
Target Fund Balance		1,490,236	1,599,861	1,747,138	1,866,578	1,940,289	1,995,540	2,052,645	2,111,645

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 5/5/2014

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 3

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
REVENUES									
Operating Revenues - Water Fund									
Water Sales - Usage Rates		3,100,000	3,730,703	4,442,340	4,442,340	4,442,340	4,442,340	4,442,340	4,442,340
Water Sales - Debt Service	N/A	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Water Sales - Fixed (Base) Charges	N/A	260,000	330,547	391,161	391,161	391,161	391,161	391,161	391,161
Capital Recovery	N/A	1,350,000							
Water			1,474,200	1,744,200	1,744,200	1,744,200	1,744,200	1,744,200	1,744,200
Penalties	0%	62,500	62,500	62,500	62,500	62,500	62,500	62,500	62,500
UT Penalty-Leins/NSF/Metr Tamp	0%	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
Meters and Material	0%	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Unincorporated Capital Recovery Fee	N/A		18,614	-	-	-	-	-	-
Capital Surcharge	0%	-	-	-	-	-	-	-	-
Total Operating Revenues - Water Fund		4,881,500	5,725,565	6,749,201	6,749,201	6,749,201	6,749,201	6,749,201	6,749,201
Non-Operating Revenues - Water Fund									
Interest Income	0%	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Transfer In	0%	-	-	-	-	-	-	-	-
Grant Revenue	N/A	-	-	-	-	-	-	-	-
Miscellaneous	0%	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Total Revenues - Water Fund		4,885,000	5,729,065	6,752,701	6,752,701	6,752,701	6,752,701	6,752,701	6,752,701

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

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UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 3

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
Operating Revenues - Sewer Fund									
Capital Recovery	N/A	1,350,000							
Sewer			1,609,880	1,918,361	1,918,361	1,918,361	1,918,361	1,918,361	1,918,361
Penalties	0%	62,500	62,500	62,500	62,500	62,500	62,500	62,500	62,500
UT Penalty-Leins/NSF/Metr Tamp	0%	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
Sewer Fees - Usage Rates		2,869,650	2,817,748	3,332,752	3,332,752	3,332,752	3,332,752	3,332,752	3,332,752
Sewer Fees - Fixed (Base) Charges	N/A	445,000	657,239	777,620	777,620	777,620	777,620	777,620	777,620
Sewer Fees - Pretreatment	N/A	480,000	480,000	480,000	480,000	480,000	480,000	480,000	480,000
Sewer Fees - Pretreatment Sampling and Analysis	0%	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000
Sewer Fees - Pretreatment Elk Grove	0%	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000
Unincorporated Capital Recovery Fee	N/A		18,614	-	-	-	-	-	-
Capital Surcharge	0%	-	-	-	-	-	-	-	1
Total Operating Revenues - Sewer Fund		5,346,150	5,784,981	6,710,233	6,710,233	6,710,233	6,710,233	6,710,233	6,710,234
Non-Operating Revenues									
Interest Income	0%	5,000	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Debt Proceeds: Sewer		15,454,000	15,454,000	13,244,983	-	-	-	-	-
Transfer In	0%	-	-	-	-	-	-	-	-
Capital Surcharge - Sewer	N/A	-	-	-	-	-	-	-	-
Miscellaneous	0%	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Total Revenues - Sewer Fund		20,806,150	21,242,481	19,958,716	6,713,733	6,713,733	6,713,733	6,713,733	6,713,734
Total Revenues - Water & Sewer		\$25,691,150	\$26,971,546	\$26,711,417	\$13,466,434	\$13,466,434	\$13,466,434	\$13,466,434	\$13,466,435

ADMIN EXPENSES

S1030250 Utility Billing									
Salaries - Full-time	3%	204,000	204,000	210,000	216,000	222,000	229,000	236,000	243,000
Salaries - Part-time	3%	31,700	31,700	32,700	33,700	34,700	35,700	36,800	37,900
Overtime	3%	6,000	6,000	6,200	6,400	6,600	6,800	7,000	7,200
Social Security	5%	15,000	15,000	15,800	16,600	17,400	18,300	19,200	20,200
Medicare	5%	3,550	3,550	3,700	3,900	4,100	4,300	4,500	4,700
IMRF	5%	30,600	30,600	32,100	33,700	35,400	37,200	39,100	41,100
Insurance	6%	27,600	27,600	29,300	31,100	33,000	35,000	37,100	39,300
Postage	2%	27,000	27,000	27,500	28,100	28,700	29,300	29,900	30,500
Bank/Credit Card Fees	2%	22,000	22,000	22,400	22,800	23,300	23,800	24,300	24,800
Other Contractual Services	2%	13,000	13,000	13,300	13,600	13,900	14,200	14,500	14,800
Office Supplies	2%	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
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UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 3

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
51050110 Public Works Administration									
Salaries - Full-time	3%	279,000	279,000	287,000	296,000	305,000	314,000	323,000	333,000
Bonus	4%	-	-	-	-	-	-	-	-
Overtime	3%	-	-	-	-	-	-	-	-
Social Security	5%	17,300	17,300	18,200	19,100	20,100	21,100	22,200	23,300
Medicare	5%	4,100	4,100	4,300	4,500	4,700	4,900	5,100	5,400
IMRF	5%	36,000	36,000	37,800	39,700	41,700	43,800	46,000	48,300
Insurance	6%	44,545	44,545	47,200	50,000	53,000	56,200	59,600	63,200
Memberships and Dues	2%	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Education, Seminars, and Meetings	2%	5,000	5,000	5,100	5,200	5,300	5,400	5,500	5,600
Transportation and Travel	2%	-	-	-	-	-	-	-	-
Publications	2%	-	-	-	-	-	-	-	-
Professional Services	2%	-	-	-	-	-	-	-	-
Engineering Services	2%	-	-	-	-	-	-	-	-
Postage	2%	-	-	-	-	-	-	-	-
Legal Notices	2%	350	350	360	370	380	390	400	410
Printing	2%	500	500	510	520	530	540	550	560
Physical Exams	2%	200	200	200	200	200	200	200	200
R&M Communication System	2%	200	200	200	200	200	200	200	200
R&M Building	2%	-	-	-	-	-	-	-	-
Other Contractual Services	2%	5,000	5,000	5,100	5,200	5,300	5,400	5,500	5,600
Office Supplies	2%	6,000	6,000	6,100	6,200	6,300	6,400	6,500	6,600
Uniforms	2%	500	500	510	520	530	540	550	560
Permits & Licenses	2%	18,000	18,000	18,400	18,800	19,200	19,600	20,000	20,400
Depreciation Expense	2%	-	-	-	-	-	-	-	-
Amortization of Premium / Discount	2%	-	-	-	-	-	-	-	-
Transfer to Storm Water (To 51200000)	0%	-	-	-	-	-	-	-	-
TOTAL ADMIN EXPENSES		800,645	800,645	827,480	855,910	885,040	915,770	947,200	980,330
Water Share Administrative Expenses (50%)		400,323	400,323	413,740	427,955	442,520	457,885	473,600	490,165
Sewer Share Administrative Expenses (50%)		400,323	400,323	413,740	427,955	442,520	457,885	473,600	490,165

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 5/5/2014

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 3

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
WATER FUND									
Direct Cost for Water Purchase									
DuPage Water Comm. - Fixed Chg.	0%	182,250	182,000	189,000	270,000	351,000	351,000	351,000	351,000
DuPage Water Comm. - Water Purchase		2,241,000	2,679,750	3,159,000	3,449,250	3,552,728	3,659,309	3,769,089	3,882,161
51050543 Meter Program (5020 Water Customer Service)									
R&M Material and Equipment	0%	-	-	-	-	-	-	-	-
Telephone	0%	500	500	500	500	500	500	500	500
Maintenance Agreements	0%	19,100	19,100	19,100	19,100	19,100	19,100	19,100	19,100
Rental and Lease Purchase	0%	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Rental and Lease - Equipment	0%	-	-	-	-	-	-	-	-
Fuel, Gas, and Oil	0%	-	-	-	-	-	-	-	-
Water Meters	0%	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
51050540 Water Distribution									
Salaries - Full-time	3%	284,500	284,500	293,040	301,830	310,880	320,210	329,820	339,710
Salaries - Part-time	3%	49,000	49,000	50,470	51,980	53,540	55,150	56,800	58,500
Overtime	5%	55,000	55,000	57,750	60,640	63,670	66,850	70,190	73,700
Social Security	5%	24,100	24,100	25,310	26,580	27,910	29,310	30,780	32,320
Medicare	5%	5,700	5,700	5,990	6,290	6,600	6,930	7,280	7,640
IMRF	5%	47,000	47,000	49,350	51,820	54,410	57,130	59,990	62,990
Insurance	6%	53,950	53,950	57,190	60,620	64,260	68,120	72,210	76,540
Education, Seminars, and Meetings	2%	-	-	-	-	-	-	-	-
Transportation and Travel	2%	-	-	-	-	-	-	-	-
Publications	2%	-	-	-	-	-	-	-	-
Physical Exams	2%	-	-	-	-	-	-	-	-
Maintenance Agreements	2%	-	-	-	-	-	-	-	-
R&M Material and Equipment	2%	-	-	-	-	-	-	-	-
R&M Vehicles	2%	21,600	21,600	22,030	22,470	22,920	23,380	23,850	24,330
R&M Communication System	2%	-	-	-	-	-	-	-	-
R&M Pavement	2%	-	-	-	-	-	-	-	-
R&M Right of Way	2%	25,000	25,000	25,500	26,010	26,530	27,060	27,600	28,150
Rental and Lease Purchase	2%	5,000	5,000	5,100	5,200	5,300	5,410	5,520	5,630
Rental and Lease - Equipment	2%	-	-	-	-	-	-	-	-
Other Contractual Services	3%	210,000	210,000	210,000	210,000	210,000	210,000	210,000	210,000
Photo Supplies	2%	-	-	-	-	-	-	-	-
Office Supplies	2%	-	-	-	-	-	-	-	-
Materials & Supplies - Traffic Safety	2%	5,000	5,000	5,100	5,200	5,300	5,410	5,520	5,630
Materials & Supplies - Water Mains	2%	130,000	130,000	132,600	135,250	137,960	140,720	143,530	146,400

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 5/5/2014

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 3

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
Materials & Supplies - Gravel/Asphalt	2%	20,000	20,000	20,400	20,810	21,230	21,650	22,080	22,520
Paint	2%	1,000	1,000	1,020	1,040	1,060	1,080	1,100	1,120
Fuel, Gas, and Oil	4%	50,000	50,000	52,000	54,080	56,240	58,490	60,830	63,260
Small Tools and Equipment	2%	30,000	30,000	30,600	31,210	31,830	32,470	33,120	33,780
Uniforms	2%	2,500	2,500	2,550	2,600	2,650	2,700	2,750	2,810
Disposal Charges	2%	25,000	25,000	25,500	26,010	26,530	27,060	27,600	28,150
Machinery and Equipment	2%	-	-	-	-	-	-	-	-
51050550 Water Production									
Salaries - Full-time	3%	102,500	102,500	105,580	108,750	112,010	115,370	118,830	122,390
Overtime	3%	15,000	15,000	15,450	15,910	16,390	16,880	17,390	17,910
Social Security	5%	7,300	7,300	7,670	8,050	8,450	8,870	9,310	9,780
Medicare	5%	1,750	1,750	1,840	1,930	2,030	2,130	2,240	2,350
IMRF	5%	15,300	15,300	16,070	16,870	17,710	18,600	19,530	20,510
Insurance	3%	33,045	33,045	34,040	35,060	36,110	37,190	38,310	39,460
Education, Seminars, and Meetings	2%	-	-	-	-	-	-	-	-
Electricity	3%	70,000	70,000	72,100	74,260	76,490	78,780	81,140	83,570
Natural Gas	3%	-	-	-	-	-	-	-	-
Maintenance Agreements	2%	2,000	2,000	2,040	2,080	2,120	2,160	2,200	2,240
R&M Material and Equipment	2%	-	-	-	-	-	-	-	-
R&M Vehicles	2%	1,900	1,900	1,940	1,980	2,020	2,060	2,100	2,140
R&M Communication System	2%	-	-	-	-	-	-	-	-
Laboratory Testing	2%	25,000	25,000	25,500	26,010	26,530	27,060	27,600	28,150
Rental and Lease	2%	1,000	1,000	1,020	1,040	1,060	1,080	1,100	1,120
Other Contractual Services	3%	25,000	25,000	25,750	26,520	27,320	28,140	28,980	29,850
Paint	2%	5,500	5,500	5,610	5,720	5,830	5,950	6,070	6,190
Fuel, Gas, and Oil	4%	-	-	-	-	-	-	-	-
Small Tools and Equipment	2%	1,000	1,000	1,020	1,040	1,060	1,080	1,100	1,120
Uniforms	2%	-	-	-	-	-	-	-	-
WATER FUND EXPENSES		3,804,495	4,242,995	4,765,730	5,174,710	5,398,278	5,545,389	5,697,159	5,853,721

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 5/5/2014

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 3

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
SEWER FUND									
51050560 Wastewater Conveyance									
Salaries - Full-time	3%	152,500	152,500	157,080	161,790	166,640	171,640	176,790	182,090
Social Security	4%	9,500	9,500	9,880	10,280	10,690	11,120	11,560	12,020
Medicare	5%	2,250	2,250	2,360	2,480	2,600	2,730	2,870	3,010
IMRF	5%	19,800	19,800	20,790	21,830	22,920	24,070	25,270	26,530
Insurance	3%	54,850	54,850	56,500	58,200	59,950	61,750	63,600	65,510
Rental & Lease Purchase	3%	2,000	2,000	2,060	2,120	2,180	2,250	2,320	2,390
R&M Material and Equipment	2%	3,000	3,000	3,060	3,120	3,180	3,240	3,300	3,370
R&M Right of Way	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Other Contractual Services	2%	31,000	31,000	31,620	32,250	32,900	33,560	34,230	34,910
Gravel / Asphalt	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Small Tools	2%	2,000	2,000	2,040	2,080	2,120	2,160	2,200	2,240
Disposal Charges	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Chemicals	2%	-	-	-	-	-	-	-	-
51050570 Wastewater Treatment									
Salaries - Full-time	5%	508,500	508,500	533,900	560,600	588,600	618,000	648,900	681,300
Salaries - Part-time	5%	-	-	-	-	-	-	-	-
Overtime	5%	-	-	-	-	-	-	-	-
Social Security	5%	31,500	31,500	33,080	34,730	36,470	38,290	40,200	42,210
Medicare	5%	7,400	7,400	7,770	8,160	8,570	9,000	9,450	9,920
IMRF	5%	65,800	65,800	69,090	72,540	76,170	79,980	83,980	88,180
Insurance	3%	129,550	129,550	133,440	137,440	141,560	145,810	150,180	154,690
Membership Dues	2%	2,000	2,000	2,040	2,080	2,120	2,160	2,200	2,240
Education Seminars	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Professional Services	2%	-	-	-	-	-	-	-	-
Engineering Services	2%	37,500	37,500	38,250	39,020	39,800	40,600	41,410	42,240
Telephone	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Electricity	2%	350,000	350,000	357,000	364,140	371,420	378,850	386,430	394,160
Raw Materials and Equipment	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
R&M Vehicles	2%	15,000	15,000	15,300	15,610	15,920	16,240	16,560	16,890
Office Supplies	2%	7,000	7,000	7,140	7,280	7,430	7,580	7,730	7,880
Lab Supplies	2%	5,000	5,000	5,100	5,200	5,300	5,410	5,520	5,630
Fuel / Gas / Oil	2%	5,000	5,000	5,100	5,200	5,300	5,410	5,520	5,630
Chemicals	2%	75,000	75,000	76,500	78,030	79,590	81,180	82,800	84,460
Small Tools	2%	24,500	24,500	24,990	25,490	26,000	26,520	27,050	27,590
Uniforms	2%	3,000	3,000	3,060	3,120	3,180	3,240	3,300	3,370

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 3

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
R&M Right of Way	2%	-	-	-	-	-	-	-	-
Laboratory Testing	2%	10,000	10,000	10,200	10,400	10,610	10,820	11,040	11,260
Variable Cost Expense (Electricity, Gas, Etc)	3%	-	-	-	-	-	-	-	-
Other Contractual Service (United Water)	1%	-	-	-	-	-	-	-	-
Other Contractual Service	2%	342,000	342,000	348,840	355,820	362,940	370,200	377,600	385,150
Rental & Lease Purchase	2%	3,500	3,500	3,570	3,640	3,710	3,780	3,860	3,940
51050577 Wastewater-Pretreatment									
Salaries - Full-time	4%	23,500	23,500	24,440	25,420	26,440	27,500	28,600	29,740
Overtime	4%	-	-	-	-	-	-	-	-
Social Security	5%	1,450	1,450	1,520	1,600	1,680	1,760	1,850	1,940
Medicare	5%	350	350	370	390	410	430	450	470
IMRF	5%	3,000	3,000	3,150	3,310	3,480	3,650	3,830	4,020
Insurance	3%	-	-	-	-	-	-	-	-
Education, Seminars, and Meetings	2%	-	-	-	-	-	-	-	-
Transportation and Travel	2%	-	-	-	-	-	-	-	-
Engineering Services - Environmental	2%	100,000	100,000	102,000	104,040	106,120	108,240	110,400	112,610
Printing	2%	-	-	-	-	-	-	-	-
R&M Material and Equipment	2%	-	-	-	-	-	-	-	-
R&M Vehicles	2%	-	-	-	-	-	-	-	-
Laboratory Testing	2%	65,000	65,000	66,300	67,630	68,980	70,360	71,770	73,210
Other Contractual Services	2%	4,000	4,000	4,080	4,160	4,240	4,320	4,410	4,500
Materials & Supplies - Vehicles	2%	-	-	-	-	-	-	-	-
Materials & Supplies - Laboratory	2%	-	-	-	-	-	-	-	-
Fuel, Gas, and Oil	3%	-	-	-	-	-	-	-	-
Chemicals	2%	-	-	-	-	-	-	-	-
Small Tools and Equipment	2%	-	-	-	-	-	-	-	-
Uniforms	2%	-	-	-	-	-	-	-	-
SEWER FUND EXPENSES		2,156,450	2,156,450	2,222,820	2,291,600	2,362,880	2,436,770	2,513,420	2,592,860
51080800 CIP Municipal Facilities									
Buildings	3%	-	-	-	-	-	-	-	-
Furniture & Fixtures	3%	-	-	-	-	-	-	-	-
Machinery & Equipment	3%	-	-	-	-	-	-	-	-
Fleet	3%	65,000	65,000	66,950	68,960	71,030	73,160	75,350	77,610
Sub-Total CIP Municipal Facilities		65,000	65,000	66,950	68,960	71,030	73,160	75,350	77,610
Water Share of Municipal Facilities (50%)		32,500	32,500	33,475	34,480	35,515	36,580	37,675	38,805
Sewer Share of Municipal Facilities (50%)		32,500	32,500	33,475	34,480	35,515	36,580	37,675	38,805

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 3

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
CAPITAL PROJECTS - WATER									
51080860 CIP Water System									
Sub-Total Capital Projects - Water		2,891,000	2,891,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
CAPITAL PROJECTS - SEWER									
51080870 CIP Sanitary Sewer System		250,000	250,000	900,000	900,000	900,000	900,000	900,000	900,000
51080880 CIP WWTP		15,454,000	15,454,000	13,244,983	-	-	-	-	-
Sub-Total Capital Projects - Sewer		\$15,704,000	\$15,704,000	\$14,144,983	\$900,000	\$900,000	\$900,000	\$900,000	\$900,000
51090920 Debt Service									
Existing Bonds (Restructured) and 2012 Bonds		957,825	957,825	875,785	876,540	878,648	875,255	906,315	906,315
Debt Service Fees		3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Lien Processing		-	-	-	-	-	-	-	-
Sub-Total Debt Service		\$960,825	\$960,825	\$878,785	\$879,540	\$881,648	\$878,255	\$909,315	\$909,315
Water Share of Debt Service (50%)		\$480,413	\$480,413	\$439,393	\$439,770	\$440,824	\$439,128	\$454,658	\$454,658
Sewer Share of Debt Service (50%)		\$480,413	\$480,413	\$439,393	\$439,770	\$440,824	\$439,128	\$454,658	\$454,658
Debt Service - IEPA Loans (WWTP Phase I and II)									
Transfer to General Fund		-	-	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000
Water Share of Transfer to General Fund (50%)		540,000	540,000	400,000	412,000	424,400	437,100	450,200	463,700
Sewer Share of Transfer to General Fund (50%)		270,000	270,000	200,000	206,000	212,200	218,550	225,100	231,850
Total Water Expenses		\$ 7,878,730	\$ 8,317,230	\$ 7,352,338	\$ 7,782,915	\$ 8,029,337	\$ 8,197,532	\$ 8,388,191	\$ 8,569,199
Total Sewer Expenses		\$ 19,043,685	\$ 19,043,685	\$ 19,254,411	\$ 6,099,805	\$ 6,193,939	\$ 6,288,913	\$ 6,404,453	\$ 6,508,338
Total Expenses - Water & Sewer		\$ 26,922,415	\$ 27,360,915	\$ 26,606,748	\$ 13,882,720	\$ 14,223,276	\$ 14,486,444	\$ 14,792,644	\$ 15,077,536

UTILITY FUND REVENUE AND EXPENSE PROJECTIONS - SCENARIO 3

WATER UTILITY REVENUES AND EXPENSE PROJECTIONS	Inflation Rate	FY 2014 Budget	FY 2014 Estimated	FY 2015 Estimated	FY 2016 Estimated	FY 2017 Estimated	FY 2018 Estimated	FY 2019 Estimated	FY 2020 Estimated
Beginning Operating Balance - Water		1,441,199	1,441,199	(1,146,966)	(1,746,603)	(2,776,817)	(4,053,453)	(5,498,284)	(7,133,774)
Total Revenues		4,885,000	5,729,065	6,752,701	6,752,701	6,752,701	6,752,701	6,752,701	6,752,701
Total Expenses		7,878,730	8,317,230	7,352,338	7,782,915	8,029,337	8,197,532	8,388,191	8,569,199
Net Operating Income (Loss)		(2,993,730)	(2,588,165)	(599,637)	(1,030,214)	(1,276,636)	(1,444,831)	(1,635,490)	(1,816,498)
Ending Operating Balance		(1,552,532)	(1,146,966)	(1,746,603)	(2,776,817)	(4,053,453)	(5,498,284)	(7,133,774)	(8,950,272)
Target Fund Balance		951,124	1,060,749	1,191,433	1,293,678	1,349,569	1,386,347	1,424,290	1,463,430
Beginning Operating Balance - Sewer		6,109,051	6,109,051	8,307,847	9,012,152	9,626,080	10,145,874	10,570,694	10,879,974
Total Revenues		20,806,150	21,242,481	19,958,716	6,713,733	6,713,733	6,713,733	6,713,733	6,713,734
Total Revenues Less Debt Proceeds		5,352,150	5,788,481	6,713,733	6,713,733	6,713,733	6,713,733	6,713,733	6,713,734
Total Expenses		19,043,685	19,043,685	19,254,411	6,099,805	6,193,939	6,288,913	6,404,453	6,508,338
Total Expenses Less Debt Funded Construction		3,589,685	3,589,685	6,009,428	6,099,805	6,193,939	6,288,913	6,404,453	6,508,338
Net Operating Income (Loss)		1,762,465	2,198,796	704,305	613,928	519,794	424,820	309,280	205,396
Ending Operating Balance		7,871,516	8,307,847	9,012,152	9,626,080	10,145,874	10,570,694	10,879,974	11,085,371
Target Fund Balance		539,113	539,113	555,705	572,900	590,720	609,193	628,355	648,215
Beginning Operating Balance - Combined Water & Sewer		7,550,249	7,550,249	7,160,880	7,265,549	6,849,263	6,092,421	5,072,410	3,746,200
Total Revenues		25,691,150	26,971,546	26,711,417	13,466,434	13,466,434	13,466,434	13,466,434	13,466,435
Total Revenues Less Debt Proceeds		10,237,150	11,517,546	13,466,434	13,466,434	13,466,434	13,466,434	13,466,434	13,466,435
Total Expenses		26,922,415	27,360,915	26,606,748	13,882,720	14,223,276	14,486,444	14,792,644	15,077,536
Total Expenses Less Debt Funded Construction		11,468,415	11,906,915	13,361,765	13,882,720	14,223,276	14,486,444	14,792,644	15,077,536
Net Operating Income (Loss)		(1,231,265)	(389,369)	104,669	(416,286)	(756,842)	(1,020,011)	(1,326,210)	(1,611,102)
Ending Operating Balance		6,318,984	7,160,880	7,265,549	6,849,263	6,092,421	5,072,410	3,746,200	2,135,099
Target Fund Balance		1,490,236	1,599,861	1,747,138	1,866,578	1,940,289	1,995,540	2,052,645	2,111,645

FUTURE WATER RATE INCREASES - SCENARIO 1

Water Rate Increase	9.2%
Sewer Rate Increase	9.2%

Water Rate Increases	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Fixed Charge Increases:	0%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%
Usage Rate Increases:	0%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%
Capital Recovery Charges	0%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%

Water Rate Schedule	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Monthly Fixed Charges								
5/8" or 3/4" Meter	\$2.28	\$2.49	\$2.72	\$2.97	\$3.24	\$3.54	\$3.87	\$4.23
1" Meter	\$7.66	\$8.36	\$9.13	\$9.97	\$10.89	\$11.89	\$12.98	\$14.17
1.5" Meter	\$15.16	\$16.55	\$18.07	\$19.73	\$21.55	\$23.53	\$25.69	\$28.05
2" Meter	\$24.30	\$26.54	\$28.98	\$31.65	\$34.56	\$37.74	\$41.21	\$45.00
3" Meter	\$45.65	\$49.85	\$54.44	\$59.45	\$64.92	\$70.89	\$77.41	\$84.53
4" Meter	\$76.14	\$83.14	\$90.79	\$99.14	\$108.26	\$118.22	\$129.10	\$140.98
6" Meter	\$152.13	\$166.13	\$181.41	\$198.10	\$216.33	\$236.23	\$257.96	\$281.69
Senior	\$2.28	\$2.49	\$2.72	\$2.97	\$3.24	\$3.54	\$3.87	\$4.23

Water Rate Schedule (Unincorporated)	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Monthly Fixed Charges								
5/8" or 3/4" Meter	\$2.28	\$3.74	\$4.08	\$4.46	\$4.86	\$5.31	\$5.81	\$6.35
1" Meter	\$7.66	\$12.54	\$13.70	\$14.96	\$16.34	\$17.84	\$19.47	\$21.26
1.5" Meter	\$15.16	\$24.83	\$27.11	\$29.60	\$32.33	\$35.30	\$38.54	\$42.08
2" Meter	\$24.30	\$39.81	\$43.47	\$47.48	\$51.84	\$56.61	\$61.82	\$67.50
3" Meter	\$45.65	\$74.78	\$81.66	\$89.18	\$97.38	\$106.34	\$116.12	\$126.80
4" Meter	\$76.14	\$124.71	\$136.19	\$148.71	\$162.39	\$177.33	\$193.65	\$211.47
6" Meter	\$152.13	\$249.20	\$272.12	\$297.15	\$324.50	\$354.35	\$386.94	\$422.54
Water Usage Rates								
Per 1,000 gallons for first 10,000 gal.	\$5.38	\$5.87	\$6.41	\$7.00	\$7.64	\$8.34	\$9.11	\$9.95
Water Capital Recovery Rate	\$2.23	\$2.44	\$2.66	\$2.90	\$3.17	\$3.46	\$3.78	\$4.13
Total Usage, < 10,000 gallons	\$7.61	\$8.31	\$9.07	\$9.90	\$10.81	\$11.80	\$12.89	\$14.08
Per 1,000 gallons exceeding 10,000 gal.	\$6.19	\$6.76	\$7.38	\$8.06	\$8.80	\$9.61	\$10.49	\$11.46
Water Capital Recovery Rate	\$2.23	\$2.44	\$2.66	\$2.90	\$3.17	\$3.46	\$3.78	\$4.13
Total Usage, >10,000 gallons	\$8.42	\$9.20	\$10.04	\$10.96	\$11.97	\$13.07	\$14.27	\$15.59

Unincorporated Water Usage Rates

Per 1,000 gallons for first 10,000 gal.	\$5.38	\$8.81	\$9.62	\$10.50	\$11.46	\$12.51	\$13.67	\$14.93
Water Capital Recovery Rate	\$2.23	\$3.66	\$3.99	\$4.35	\$4.76	\$5.19	\$5.67	\$6.20
Total Usage, < 10,000 gallons	\$7.61	\$12.47	\$13.61	\$14.85	\$16.22	\$17.70	\$19.34	\$21.12
Per 1,000 gallons exceeding 10,000 gal.	\$6.19	\$10.14	\$7.38	\$8.06	\$8.80	\$9.61	\$10.49	\$11.46
Water Capital Recovery Rate	\$2.23	\$2.44	\$2.66	\$2.90	\$3.17	\$3.46	\$3.78	\$4.13
Total Usage, > 10,000 gallons	\$8.42	\$12.58	\$10.04	\$10.96	\$11.97	\$13.07	\$14.27	\$15.59
Unincorporated Surcharge, per month	\$19.39	\$0.00						
DWC Water Rate Increases	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Fixed Rate per 1,000 gallons	\$0.27	\$0.27	\$0.28	\$0.40	\$0.52	\$0.52	\$0.52	\$0.52
O&M Rate per 1,000 gallons	\$3.32	\$3.97	\$4.68	\$5.11	\$5.26	\$5.42	\$5.58	\$5.75
Rate Increase	20%	18%	17%	11%	5%	3%	3%	3%

FUTURE SEWER RATE INCREASES

Sewer Rate Increases	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Fixed Charge Increases:	0%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%
Usage Rate Increases:	0%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%
Capital Recovery Charges	0%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%

Sewer Rate Schedule	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Monthly Fixed Charges								
5/8" Meter	\$4.53	\$4.95	\$5.41	\$5.91	\$6.45	\$7.04	\$7.69	\$8.40
1" Meter	\$15.06	\$16.45	\$17.96	\$19.61	\$21.41	\$23.38	\$25.53	\$27.88
1.5" Meter	\$30.32	\$33.11	\$36.16	\$39.49	\$43.12	\$47.09	\$51.42	\$56.15
2" Meter	\$48.46	\$52.92	\$57.79	\$63.11	\$68.92	\$75.26	\$82.18	\$89.74
3" Meter	\$90.75	\$99.10	\$108.22	\$118.18	\$129.05	\$140.92	\$153.88	\$168.04
4" Meter	\$151.19	\$165.10	\$180.29	\$196.88	\$214.99	\$234.77	\$256.37	\$279.96
6" Meter	\$302.60	\$330.44	\$360.84	\$394.04	\$430.29	\$469.88	\$513.11	\$560.32

Sewer Rate Schedule (Unincorporated)	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Monthly Fixed Charges								
5/8" Meter	\$4.53	\$7.43	\$8.12	\$8.87	\$9.68	\$10.56	\$11.54	\$12.60
1" Meter	\$15.06	\$24.68	\$26.94	\$29.42	\$32.12	\$35.07	\$38.30	\$41.82
1.5" Meter	\$30.32	\$49.67	\$54.24	\$59.24	\$64.68	\$70.64	\$77.13	\$84.23
2" Meter	\$48.46	\$79.38	\$86.69	\$94.67	\$103.38	\$112.89	\$123.27	\$134.61
3" Meter	\$90.75	\$148.65	\$162.33	\$177.27	\$193.58	\$211.38	\$230.82	\$252.06
4" Meter	\$151.19	\$247.65	\$270.44	\$295.32	\$322.49	\$352.16	\$384.56	\$419.94
6" Meter	\$302.60	\$495.66	\$541.26	\$591.06	\$645.44	\$704.82	\$769.67	\$840.48

Sewer Usage Rates

Per 1,000 gallons for first 10,000 gal.	\$4.25	\$4.64	\$5.07	\$5.54	\$6.05	\$6.61	\$7.22	\$7.88
Sewer Capital Recovery Rate	\$2.41	\$2.63	\$2.87	\$3.13	\$3.42	\$3.73	\$4.07	\$4.44
Total Usage, < 10,000 gallons	\$6.66	\$7.27	\$7.94	\$8.67	\$9.47	\$10.34	\$11.29	\$12.32

Per 1,000 gallons exceeding 10,000 gal.	\$4.89	\$5.34	\$5.83	\$6.37	\$6.96	\$7.60	\$8.30	\$9.06
Sewer Capital Recovery Rate	\$2.41	\$2.63	\$2.87	\$3.13	\$3.42	\$3.73	\$4.07	\$4.44
Total Usage, > 10,000 gallons	\$7.30	\$7.97	\$8.70	\$9.50	\$10.38	\$11.33	\$12.37	\$13.50

Unincorporated Sewer Usage Rates

Per 1,000 gallons for first 10,000 gal.	\$4.25	\$6.96	\$7.61	\$8.31	\$9.08	\$9.92	\$10.83	\$11.82
Sewer Capital Recovery Rate	\$2.41	\$3.95	\$4.31	\$4.70	\$5.13	\$5.60	\$6.11	\$6.66
Total Usage, < 10,000 gallons	\$6.66	\$10.91	\$11.91	\$13.01	\$14.21	\$15.51	\$16.94	\$18.48

Per 1,000 gallons exceeding 10,000 gal.	\$4.89	\$8.01	\$8.75	\$9.56	\$10.44	\$11.40	\$12.45	\$13.59
Sewer Capital Recovery Rate	\$2.41	\$3.95	\$4.31	\$4.70	\$5.13	\$5.60	\$6.11	\$6.66
Total Usage, > 10,000 gallons	\$7.30	\$11.96	\$13.05	\$14.25	\$15.57	\$17.00	\$18.56	\$20.25

Unmetered Sewer Only, flat charge	\$59.64	\$59.64	\$59.64	\$59.64	\$59.64	\$59.64	\$60.64	\$61.64
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FUTURE WATER RATE INCREASES - SCENARIO 2

Water Rate Increase	7.5%
Sewer Rate Increase	7.5%

Water Rate Increases	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Fixed Charge Increases:	0%	15.00%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%
Usage Rate Increases:	0%	15.00%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%
Capital Recovery Charges	0%	15.00%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%

Water Rate Schedule	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Monthly Fixed Charges								
5/8" or 3/4" Meter	\$2.28	\$2.62	\$2.82	\$3.03	\$3.26	\$3.50	\$3.76	\$4.04
1" Meter	\$7.66	\$8.81	\$9.47	\$10.18	\$10.94	\$11.76	\$12.64	\$13.59
1.5" Meter	\$15.16	\$17.43	\$18.74	\$20.15	\$21.66	\$23.28	\$25.03	\$26.91
2" Meter	\$24.30	\$27.95	\$30.05	\$32.30	\$34.72	\$37.32	\$40.12	\$43.13
3" Meter	\$45.65	\$52.50	\$56.44	\$60.67	\$65.22	\$70.11	\$75.37	\$81.02
4" Meter	\$76.14	\$87.56	\$94.13	\$101.19	\$108.78	\$116.94	\$125.71	\$135.14
6" Meter	\$152.13	\$174.95	\$188.07	\$202.18	\$217.34	\$233.64	\$251.16	\$270.00
Senior	\$2.28	\$2.62	\$2.82	\$3.03	\$3.26	\$3.50	\$3.76	\$4.04

Village of Bensenville, Illinois

2014 Water and Sewer Rate Study

Created by: CFB/JES

Updated: 3/27/2014

Water Rate Schedule (Unincorporated)

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Monthly Fixed Charges								
5/8" or 3/4" Meter	\$2.28	\$3.93	\$4.23	\$4.55	\$4.89	\$5.25	\$5.64	\$6.06
1" Meter	\$7.66	\$13.22	\$14.21	\$15.27	\$16.41	\$17.64	\$18.96	\$20.39
1.5" Meter	\$15.16	\$26.15	\$28.11	\$30.23	\$32.49	\$34.92	\$37.55	\$40.37
2" Meter	\$24.30	\$41.93	\$45.08	\$48.45	\$52.08	\$55.98	\$60.18	\$64.70
3" Meter	\$45.65	\$78.75	\$84.66	\$91.01	\$97.83	\$105.17	\$113.06	\$121.53
4" Meter	\$76.14	\$131.34	\$141.20	\$151.79	\$163.17	\$175.41	\$188.57	\$202.71
6" Meter	\$152.13	\$262.43	\$282.11	\$303.27	\$326.01	\$350.46	\$376.74	\$405.00
Water Usage Rates								
Per 1,000 gallons for first 10,000 gal.	\$5.38	\$6.19	\$6.65	\$7.15	\$7.69	\$8.27	\$8.89	\$9.56
Water Capital Recovery Rate	\$2.23	\$2.56	\$2.75	\$2.96	\$3.18	\$3.42	\$3.68	\$3.96
Total Usage, < 10,000 gallons	\$7.61	\$8.75	\$9.40	\$10.11	\$10.87	\$11.69	\$12.57	\$13.52
Per 1,000 gallons exceeding 10,000 gal.	\$6.19	\$7.12	\$7.65	\$8.22	\$8.84	\$9.50	\$10.21	\$10.98
Water Capital Recovery Rate	\$2.23	\$2.56	\$2.75	\$2.96	\$3.18	\$3.42	\$3.68	\$3.96
Total Usage, >10,000 gallons	\$8.42	\$9.68	\$10.40	\$11.18	\$12.02	\$12.92	\$13.89	\$14.94

Village of Bensenville, Illinois

2014 Water and Sewer Rate Study

Created by: CFB/JES

Updated: 3/27/2014

Unincorporated Water Usage Rates

Per 1,000 gallons for first 10,000 gal.	\$5.38	\$9.29	\$9.98	\$10.73	\$11.54	\$12.41	\$13.34	\$14.34
Water Capital Recovery Rate	\$2.23	\$3.84	\$4.13	\$4.44	\$4.77	\$5.13	\$5.52	\$5.94
Total Usage, < 10,000 gallons	\$7.61	\$13.13	\$14.10	\$15.17	\$16.31	\$17.54	\$18.86	\$20.28
Per 1,000 gallons exceeding 10,000 gal.	\$6.19	\$10.68	\$7.65	\$8.22	\$8.84	\$9.50	\$10.21	\$10.98
Water Capital Recovery Rate	\$2.23	\$2.56	\$2.75	\$2.96	\$3.18	\$3.42	\$3.68	\$3.96
Total Usage, > 10,000 gallons	\$8.42	\$13.24	\$10.40	\$11.18	\$12.02	\$12.92	\$13.89	\$14.94
Unincorporated Surcharge, per month	\$19.39	\$0.00						
DWC Water Rate Increases	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Fixed Rate per 1,000 gallons	\$0.27	\$0.27	\$0.28	\$0.40	\$0.52	\$0.52	\$0.52	\$0.52
O&M Rate per 1,000 gallons	\$3.32	\$3.97	\$4.68	\$5.11	\$5.26	\$5.42	\$5.58	\$5.75
Rate Increase	20%	18%	17%	11%	5%	3%	3%	3%

Sewer Rate Increases	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Fixed Charge Increases:	0%	15.00%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%
Usage Rate Increases:	0%	15.00%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%
Capital Recovery Charges	0%	15.00%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%

Sewer Rate Schedule	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Monthly Fixed Charges								
5/8" Meter	\$4.53	\$5.21	\$5.60	\$6.02	\$6.47	\$6.96	\$7.48	\$8.04
1" Meter	\$15.06	\$17.32	\$18.62	\$20.02	\$21.52	\$23.13	\$24.86	\$26.72
1.5" Meter	\$30.32	\$34.87	\$37.49	\$40.30	\$43.32	\$46.57	\$50.06	\$53.81
2" Meter	\$48.46	\$55.73	\$59.91	\$64.40	\$69.23	\$74.42	\$80.00	\$86.00
3" Meter	\$90.75	\$104.36	\$112.19	\$120.60	\$129.65	\$139.37	\$149.82	\$161.06
4" Meter	\$151.19	\$173.87	\$186.91	\$200.93	\$216.00	\$232.20	\$249.62	\$268.34
6" Meter	\$302.60	\$347.99	\$374.09	\$402.15	\$432.31	\$464.73	\$499.58	\$537.05

Village of Bensenville, Illinois

2014 Water and Sewer Rate Study

Created by: CFB/JES

Updated: 3/27/2014

Sewer Rate Schedule (Unincorporated)	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Monthly Fixed Charges								
5/8" Meter	\$4.53	\$7.82	\$8.40	\$9.03	\$9.71	\$10.44	\$11.22	\$12.06
1" Meter	\$15.06	\$25.98	\$27.93	\$30.03	\$32.28	\$34.70	\$37.29	\$40.08
1.5" Meter	\$30.32	\$52.31	\$56.24	\$60.45	\$64.98	\$69.86	\$75.09	\$80.72
2" Meter	\$48.46	\$83.60	\$89.87	\$96.60	\$103.85	\$111.63	\$120.00	\$129.00
3" Meter	\$90.75	\$156.54	\$168.29	\$180.90	\$194.48	\$209.06	\$224.73	\$241.59
4" Meter	\$151.19	\$260.81	\$280.37	\$301.40	\$324.00	\$348.30	\$374.43	\$402.51
6" Meter	\$302.60	\$521.99	\$561.14	\$603.23	\$648.47	\$697.10	\$749.37	\$805.58
Sewer Usage Rates								
Per 1,000 gallons for first 10,000 gal.	\$4.25	\$4.89	\$5.26	\$5.65	\$6.07	\$6.53	\$7.02	\$7.55
Sewer Capital Recovery Rate	\$2.41	\$2.77	\$2.98	\$3.20	\$3.44	\$3.70	\$3.98	\$4.28
Total Usage, < 10,000 gallons	\$6.66	\$7.66	\$8.24	\$8.85	\$9.51	\$10.23	\$11.00	\$11.83
Per 1,000 gallons exceeding 10,000 gal.	\$4.89	\$5.62	\$6.04	\$6.49	\$6.98	\$7.50	\$8.06	\$8.66
Sewer Capital Recovery Rate	\$2.41	\$2.77	\$2.98	\$3.20	\$3.44	\$3.70	\$3.98	\$4.28
Total Usage, > 10,000 gallons	\$7.30	\$8.39	\$9.02	\$9.69	\$10.42	\$11.20	\$12.04	\$12.94
Unincorporated Sewer Usage Rates								
Per 1,000 gallons for first 10,000 gal.	\$4.25	\$7.34	\$7.89	\$8.48	\$9.11	\$9.80	\$10.53	\$11.33
Sewer Capital Recovery Rate	\$2.41	\$4.16	\$4.47	\$4.80	\$5.16	\$5.55	\$5.97	\$6.42
Total Usage, < 10,000 gallons	\$6.66	\$11.49	\$12.36	\$13.28	\$14.27	\$15.35	\$16.50	\$17.75
Per 1,000 gallons exceeding 10,000 gal.	\$4.89	\$8.43	\$9.06	\$9.74	\$10.47	\$11.25	\$12.09	\$12.99
Sewer Capital Recovery Rate	\$2.41	\$4.16	\$4.47	\$4.80	\$5.16	\$5.55	\$5.97	\$6.42
Total Usage, > 10,000 gallons	\$7.30	\$12.59	\$13.53	\$14.54	\$15.63	\$16.80	\$18.06	\$19.41
Unmetered Sewer Only, flat charge	\$59.64	\$59.64	\$59.64	\$59.64	\$59.64	\$59.64	\$60.64	\$61.64

FUTURE WATER RATE INCREASES - SCENARIO 3

Water Rate Increase	44.7%
Sewer Rate Increase	44.7%

Water Rate Increases	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Fixed Charge Increases:	0%	44.70%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Usage Rate Increases:	0%	44.70%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Capital Recovery Charges	0%	44.70%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Water Rate Schedule	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Monthly Fixed Charges								
5/8" or 3/4" Meter	\$2.28	\$3.30	\$3.30	\$3.30	\$3.30	\$3.30	\$3.30	\$3.30
1" Meter	\$7.66	\$11.08	\$11.08	\$11.08	\$11.08	\$11.08	\$11.08	\$11.08
1.5" Meter	\$15.16	\$21.94	\$21.94	\$21.94	\$21.94	\$21.94	\$21.94	\$21.94
2" Meter	\$24.30	\$35.16	\$35.16	\$35.16	\$35.16	\$35.16	\$35.16	\$35.16
3" Meter	\$45.65	\$66.06	\$66.06	\$66.06	\$66.06	\$66.06	\$66.06	\$66.06
4" Meter	\$76.14	\$110.17	\$110.17	\$110.17	\$110.17	\$110.17	\$110.17	\$110.17
6" Meter	\$152.13	\$220.13	\$220.13	\$220.13	\$220.13	\$220.13	\$220.13	\$220.13
Senior	\$2.28	\$3.30	\$3.30	\$3.30	\$3.30	\$3.30	\$3.30	\$3.30

Water Rate Schedule (Unincorporated)	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Monthly Fixed Charges								
5/8" or 3/4" Meter	\$2.28	\$4.95	\$4.95	\$4.95	\$4.95	\$4.95	\$4.95	\$4.95
1" Meter	\$7.66	\$16.62	\$16.62	\$16.62	\$16.62	\$16.62	\$16.62	\$16.62
1.5" Meter	\$15.16	\$32.91	\$32.91	\$32.91	\$32.91	\$32.91	\$32.91	\$32.91
2" Meter	\$24.30	\$52.74	\$52.74	\$52.74	\$52.74	\$52.74	\$52.74	\$52.74
3" Meter	\$45.65	\$99.09	\$99.09	\$99.09	\$99.09	\$99.09	\$99.09	\$99.09
4" Meter	\$76.14	\$165.26	\$165.26	\$165.26	\$165.26	\$165.26	\$165.26	\$165.26
6" Meter	\$152.13	\$330.20	\$330.20	\$330.20	\$330.20	\$330.20	\$330.20	\$330.20
Water Usage Rates								
Per 1,000 gallons for first 10,000 gal.	\$5.38	\$7.78	\$7.78	\$7.78	\$7.78	\$7.78	\$7.78	\$7.78
Water Capital Recovery Rate	\$2.23	\$3.23	\$3.23	\$3.23	\$3.23	\$3.23	\$3.23	\$3.23
Total Usage, < 10,000 gallons	\$7.61	\$11.01						
Per 1,000 gallons exceeding 10,000 gal.	\$6.19	\$8.96	\$8.96	\$8.96	\$8.96	\$8.96	\$8.96	\$8.96
Water Capital Recovery Rate	\$2.23	\$3.23	\$3.23	\$3.23	\$3.23	\$3.23	\$3.23	\$3.23
Total Usage, >10,000 gallons	\$8.42	\$12.19						

Unincorporated Water Usage Rates

Per 1,000 gallons for first 10,000 gal.	\$5.38	\$11.67	\$11.67	\$11.67	\$11.67	\$11.67	\$11.67	\$11.67
Water Capital Recovery Rate	\$2.23	\$4.85	\$4.85	\$4.85	\$4.85	\$4.85	\$4.85	\$4.85
Total Usage, < 10,000 gallons	\$7.61	\$16.52						
Per 1,000 gallons exceeding 10,000 gal.	\$6.19	\$13.44	\$8.96	\$8.96	\$8.96	\$8.96	\$8.96	\$8.96
Water Capital Recovery Rate	\$2.23	\$3.23	\$3.23	\$3.23	\$3.23	\$3.23	\$3.23	\$3.23
Total Usage, > 10,000 gallons	\$8.42	\$16.67	\$12.19	\$12.19	\$12.19	\$12.19	\$12.19	\$12.19
Unincorporated Surcharge, per month	\$19.39	\$0.00						
DWC Water Rate Increases	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Fixed Rate per 1,000 gallons	\$0.27	\$0.27	\$0.28	\$0.40	\$0.52	\$0.52	\$0.52	\$0.52
O&M Rate per 1,000 gallons	\$3.32	\$3.97	\$4.68	\$5.11	\$5.26	\$5.42	\$5.58	\$5.75
Rate Increase	20%	18%	17%	11%	5%	3%	3%	3%

FUTURE SEWER RATE INCREASES

Sewer Rate Increases	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Fixed Charge Increases:	0%	44.70%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Usage Rate Increases:	0%	44.70%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Capital Recovery Charges	0%	44.70%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Sewer Rate Schedule	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Monthly Fixed Charges								
5/8" Meter	\$4.53	\$6.55	\$6.55	\$6.55	\$6.55	\$6.55	\$6.55	\$6.55
1" Meter	\$15.06	\$21.79	\$21.79	\$21.79	\$21.79	\$21.79	\$21.79	\$21.79
1.5" Meter	\$30.32	\$43.87	\$43.87	\$43.87	\$43.87	\$43.87	\$43.87	\$43.87
2" Meter	\$48.46	\$70.12	\$70.12	\$70.12	\$70.12	\$70.12	\$70.12	\$70.12
3" Meter	\$90.75	\$131.32	\$131.32	\$131.32	\$131.32	\$131.32	\$131.32	\$131.32
4" Meter	\$151.19	\$218.77	\$218.77	\$218.77	\$218.77	\$218.77	\$218.77	\$218.77
6" Meter	\$302.60	\$437.86	\$437.86	\$437.86	\$437.86	\$437.86	\$437.86	\$437.86

Sewer Rate Schedule (Unincorporated)	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Monthly Fixed Charges								
5/8" Meter	\$4.53	\$9.83	\$9.83	\$9.83	\$9.83	\$9.83	\$9.83	\$9.83
1" Meter	\$15.06	\$32.69	\$32.69	\$32.69	\$32.69	\$32.69	\$32.69	\$32.69
1.5" Meter	\$30.32	\$65.81	\$65.81	\$65.81	\$65.81	\$65.81	\$65.81	\$65.81
2" Meter	\$48.46	\$105.18	\$105.18	\$105.18	\$105.18	\$105.18	\$105.18	\$105.18
3" Meter	\$90.75	\$196.98	\$196.98	\$196.98	\$196.98	\$196.98	\$196.98	\$196.98
4" Meter	\$151.19	\$328.16	\$328.16	\$328.16	\$328.16	\$328.16	\$328.16	\$328.16
6" Meter	\$302.60	\$656.79	\$656.79	\$656.79	\$656.79	\$656.79	\$656.79	\$656.79
Sewer Usage Rates								
Per 1,000 gallons for first 10,000 gal.	\$4.25	\$6.15	\$6.15	\$6.15	\$6.15	\$6.15	\$6.15	\$6.15
Sewer Capital Recovery Rate	\$2.41	\$3.49	\$3.49	\$3.49	\$3.49	\$3.49	\$3.49	\$3.49
Total Usage, < 10,000 gallons	\$6.66	\$9.64						
Per 1,000 gallons exceeding 10,000 gal.	\$4.89	\$7.08	\$7.08	\$7.08	\$7.08	\$7.08	\$7.08	\$7.08
Sewer Capital Recovery Rate	\$2.41	\$3.49	\$3.49	\$3.49	\$3.49	\$3.49	\$3.49	\$3.49
Total Usage, > 10,000 gallons	\$7.30	\$10.57						
Unincorporated Sewer Usage Rates								
Per 1,000 gallons for first 10,000 gal.	\$4.25	\$9.23	\$9.23	\$9.23	\$9.23	\$9.23	\$9.23	\$9.23
Sewer Capital Recovery Rate	\$2.41	\$5.24	\$5.24	\$5.24	\$5.24	\$5.24	\$5.24	\$5.24
Total Usage, < 10,000 gallons	\$6.66	\$14.46						
Per 1,000 gallons exceeding 10,000 gal.	\$4.89	\$10.62	\$10.62	\$10.62	\$10.62	\$10.62	\$10.62	\$10.62
Sewer Capital Recovery Rate	\$2.41	\$5.24	\$5.24	\$5.24	\$5.24	\$5.24	\$5.24	\$5.24
Total Usage, > 10,000 gallons	\$7.30	\$15.86						
Unmetered Sewer Only, flat charge	\$59.64	\$59.64	\$59.64	\$59.64	\$59.64	\$59.64	\$60.64	\$61.64

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 5/5/2014

PROJECTED WATER REVENUE - BASELINE

Fixed Charge Revenue

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Bills Issued for 5/8" and 3/4" Meters	48,403	48,403	48,403	48,403	48,403	48,403	48,403	48,403
Monthly Minimum Charge	x \$2.28	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28
5/8" & 3/4" Min. Chg. Revenue	\$110,359	\$110,359	\$110,359	\$110,359	\$110,359	\$110,359	\$110,359	\$110,359
Bills Issued for 1" Meter	3,645	3,645	3,645	3,645	3,645	3,645	3,645	3,645
Monthly Minimum Charge	x \$7.66	\$7.66	\$7.66	\$7.66	\$7.66	\$7.66	\$7.66	\$7.66
1" Meter Minimum Charge Revenue	\$27,921	\$27,921	\$27,921	\$27,921	\$27,921	\$27,921	\$27,921	\$27,921
Bills Issued for 1 1/2" Meter	4,205	4,205	4,205	4,205	4,205	4,205	4,205	4,205
Monthly Minimum Charge	x \$15.16	\$15.16	\$15.16	\$15.16	\$15.16	\$15.16	\$15.16	\$15.16
1 1/2" Meter Minimum Chg. Revenue	\$63,748	\$63,748	\$63,748	\$63,748	\$63,748	\$63,748	\$63,748	\$63,748
Bills Issued for 2" Meter	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458
Monthly Minimum Charge	x \$24.30	\$24.30	\$24.30	\$24.30	\$24.30	\$24.30	\$24.30	\$24.30
2" Meter Minimum Charge Revenue	\$35,429	\$35,429	\$35,429	\$35,429	\$35,429	\$35,429	\$35,429	\$35,429
Bills Issued for 3" Meter	432	432	432	432	432	432	432	432
Monthly Minimum Charge	x \$45.65	\$45.65	\$45.65	\$45.65	\$45.65	\$45.65	\$45.65	\$45.65
3" Meter Minimum Charge Revenue	\$19,721	\$19,721	\$19,721	\$19,721	\$19,721	\$19,721	\$19,721	\$19,721
Bills Issued for 4" Meter	108	108	108	108	108	108	108	108
Monthly Minimum Charge	x \$76.14	\$76.14	\$76.14	\$76.14	\$76.14	\$76.14	\$76.14	\$76.14
4" Meter Minimum Charge Revenue	\$8,223	\$8,223	\$8,223	\$8,223	\$8,223	\$8,223	\$8,223	\$8,223
Bills Issued for 6" Meter	25	25	25	25	25	25	25	25
Monthly Minimum Charge	x \$152.13	\$152.13	\$152.13	\$152.13	\$152.13	\$152.13	\$152.13	\$152.13
6" Meter Minimum Charge Revenue	\$3,803	\$3,803	\$3,803	\$3,803	\$3,803	\$3,803	\$3,803	\$3,803
Sub-Total Fixed Charges	\$269,204							

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 5/5/2014

PROJECTED WATER REVENUE - BASELINE

Fixed Charge Revenue - Unincorporated

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Bills Issued for 5/8" and 3/4" Meters	320	320	320	320	320	320	320	320
Monthly Minimum Charge	x \$2.28	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28	\$2.28
5/8" & 3/4" Min. Chg. Revenue	\$730							
Bills Issued for 1" Meter								
Monthly Minimum Charge	x \$7.66	\$7.66	\$7.66	\$7.66	\$7.66	\$7.66	\$7.66	\$7.66
1" Meter Minimum Charge Revenue	\$0							
Bills Issued for 1 1/2" Meter								
Monthly Minimum Charge	x \$15.16	\$15.16	\$15.16	\$15.16	\$15.16	\$15.16	\$15.16	\$15.16
1 1/2" Meter Minimum Chg. Revenue	\$0							
Bills Issued for 2" Meter								
Monthly Minimum Charge	x \$24.30	\$24.30	\$24.30	\$24.30	\$24.30	\$24.30	\$24.30	\$24.30
2" Meter Minimum Charge Revenue	\$0							
Bills Issued for 3" Meter								
Monthly Minimum Charge	x \$45.65	\$45.65	\$45.65	\$45.65	\$45.65	\$45.65	\$45.65	\$45.65
3" Meter Minimum Charge Revenue	\$0							
Bills Issued for 4" Meter								
Monthly Minimum Charge	x \$76.14	\$76.14	\$76.14	\$76.14	\$76.14	\$76.14	\$76.14	\$76.14
4" Meter Minimum Charge Revenue	\$0							
Bills Issued for 6" Meter								
Monthly Minimum Charge	x \$152.13	\$152.13	\$152.13	\$152.13	\$152.13	\$152.13	\$152.13	\$152.13
6" Meter Minimum Charge Revenue	\$0							
Sub-Total Fixed Charges - Uninc.		\$730						

Village of Bensenville, Illinois
 2014 Water & Sewer Rate Study Update

Created by: CFB/JES
 Updated: 5/5/2014

PROJECTED WATER REVENUE - BASELINE

Unincorporated Capital Recovery Fee

Unincorporated Additional Capital Recovery	320	320	320	320	320	320	320	320
Fee per Service	\$19.39							
Sub-Total Uninc. Capital Recovery Fee	\$74,458							

Commodity Charge Revenue

Metered Water Usage (gallons)	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690
Water Usage Rate (0-10,000 gal)	x \$5.38	\$5.38	\$5.38	\$5.38	\$5.38	\$5.38	\$5.38	\$5.38
Water Usage Revenue	\$2,044,813	\$2,044,813	\$2,044,813	\$2,044,813	\$2,044,813	\$2,044,813	\$2,044,813	\$2,044,813
Metered Water Usage (gallons)	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310
Water Usage Rate (above 10,000 gal)	x \$6.19	\$6.19	\$6.19	\$6.19	\$6.19	\$6.19	\$6.19	\$6.19
Water Usage Revenue	\$870,167	\$870,167	\$870,167	\$870,167	\$870,167	\$870,167	\$870,167	\$870,167
Sub-Total Commodity Charges	\$2,914,980							

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 5/5/2014

PROJECTED WATER REVENUE - BASELINE

Commodity Charge Revenue - Unincorporated

Metered Water Usage (gallons)	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000
Water Usage Rate (0-10,000 gal)	x \$5.38	\$5.38	\$5.38	\$5.38	\$5.38	\$5.38	\$5.38	\$5.38
Water Usage Revenue	\$104,087	\$104,087	\$104,087	\$104,087	\$104,087	\$104,087	\$104,087	\$104,087
Metered Water Usage (gallons)	0	0	0	0	0	0	0	0
Water Usage Rate (above 10,000 gal)	x \$6.19	\$6.19	\$6.19	\$6.19	\$6.19	\$6.19	\$6.19	\$6.19
Water Usage Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sub-Total Commodity Charges - Uninc.	\$147,231	\$104,087						

Capital Recovery

Metered Water Usage (gallons)	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000
Water Capital Recovery Rate	x \$2.23	\$2.23	\$2.23	\$2.23	\$2.23	\$2.23	\$2.23	\$2.23
Water Capital Recovery Revenue	1,161,056	\$1,161,056	\$1,161,056	\$1,161,056	\$1,161,056	\$1,161,056	\$1,161,056	\$1,161,056
Sub-Total Capital Recovery	\$1,161,056							

Capital Recovery - Unincorporated

Metered Water Usage (gallons)	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000
Water Capital Recovery Rate	x \$2.23	\$2.23	\$2.23	\$2.23	\$2.23	\$2.23	\$2.23	\$2.23
Water Capital Recovery Revenue	\$43,144	\$43,144	\$43,144	\$43,144	\$43,144	\$43,144	\$43,144	\$43,144
Sub-Total Capital Recovery - Uninc	\$43,144							

Total Water Revenue \$ 4,567,658 \$ 4,567,658 \$ 4,567,658 \$ 4,567,658 \$ 4,567,658 \$ 4,567,658 \$ 4,567,658 \$ 4,567,658

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED WATER REVENUE - SCENARIO 1

Fixed Charge Revenue

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Bills Issued for 5/8" and 3/4" Meters	48,403	48,403	48,403	48,403	48,403	48,403	48,403	48,403
Monthly Minimum Charge	x \$2.28	\$2.49	\$2.72	\$2.97	\$3.24	\$3.54	\$3.87	\$4.23
5/8" & 3/4" Min. Chg. Revenue	\$110,359	\$115,441	\$129,801	\$141,740	\$154,648	\$168,926	\$184,657	\$201,841
Bills Issued for 1" Meter	3,645	3,645	3,645	3,645	3,645	3,645	3,645	3,645
Monthly Minimum Charge	x \$7.66	\$8.36	\$9.13	\$9.97	\$10.89	\$11.89	\$12.98	\$14.17
1" Meter Minimum Charge Revenue	\$27,921	\$29,196	\$32,811	\$35,830	\$39,135	\$42,732	\$46,650	\$50,927
Bills Issued for 1 1/2" Meter	4,205	4,205	4,205	4,205	4,205	4,205	4,205	4,205
Monthly Minimum Charge	x \$15.16	\$16.55	\$18.07	\$19.73	\$21.55	\$23.53	\$25.69	\$28.05
1 1/2" Meter Minimum Chg. Revenue	\$63,748	\$66,670	\$74,919	\$81,801	\$89,342	\$97,556	\$106,513	\$116,296
Bills Issued for 2" Meter	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458
Monthly Minimum Charge	x \$24.30	\$26.54	\$28.98	\$31.65	\$34.56	\$37.74	\$41.21	\$45.00
2" Meter Minimum Charge Revenue	\$35,429	\$37,062	\$41,660	\$45,497	\$49,681	\$54,252	\$59,241	\$64,689
Bills Issued for 3" Meter	432	432	432	432	432	432	432	432
Monthly Minimum Charge	x \$45.65	\$49.85	\$54.44	\$59.45	\$64.92	\$70.89	\$77.41	\$84.53
3" Meter Minimum Charge Revenue	\$19,721	\$20,628	\$23,188	\$25,322	\$27,652	\$30,195	\$32,972	\$36,004
Bills Issued for 4" Meter	108	108	108	108	108	108	108	108
Monthly Minimum Charge	x \$76.14	\$83.14	\$90.79	\$99.14	\$108.26	\$118.22	\$129.10	\$140.98
4" Meter Minimum Charge Revenue	\$8,223	\$8,601	\$9,668	\$10,557	\$11,528	\$12,588	\$13,747	\$15,012
Bills Issued for 6" Meter	25	25	25	25	25	25	25	25
Monthly Minimum Charge	x \$152.13	\$166.13	\$181.41	\$198.10	\$216.33	\$236.23	\$257.96	\$281.69
6" Meter Minimum Charge Revenue	\$3,803	\$3,978	\$4,472	\$4,883	\$5,332	\$5,823	\$6,358	\$6,943
Sub-Total Fixed Charges	\$269,204	\$281,578	\$316,518	\$345,630	\$377,318	\$412,072	\$450,138	\$491,712

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED WATER REVENUE - SCENARIO 1

Fixed Charge Revenue - Unincorporated

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Bills Issued for 5/8" and 3/4" Meters	320	320	320	320	320	320	320	320
Monthly Minimum Charge	x \$2.28	\$3.74	\$4.08	\$4.46	\$4.86	\$5.31	\$5.81	\$6.35
5/8" & 3/4" Min. Chg. Revenue	<u>\$730</u>	<u>\$962</u>	<u>\$1,287</u>	<u>\$1,406</u>	<u>\$1,534</u>	<u>\$1,675</u>	<u>\$1,831</u>	<u>\$2,002</u>
Bills Issued for 1" Meter								
Monthly Minimum Charge	x \$7.66	\$12.54	\$13.70	\$14.96	\$16.34	\$17.84	\$19.47	\$21.26
1" Meter Minimum Charge Revenue	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Bills Issued for 1 1/2" Meter								
Monthly Minimum Charge	x \$15.16	\$24.83	\$27.11	\$29.60	\$32.33	\$35.30	\$38.54	\$42.08
1 1/2" Meter Minimum Chg. Revenue	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Bills Issued for 2" Meter								
Monthly Minimum Charge	x \$24.30	\$39.81	\$43.47	\$47.48	\$51.84	\$56.61	\$61.82	\$67.50
2" Meter Minimum Charge Revenue	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Bills Issued for 3" Meter								
Monthly Minimum Charge	x \$45.65	\$74.78	\$81.66	\$89.18	\$97.38	\$106.34	\$116.12	\$126.80
3" Meter Minimum Charge Revenue	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Bills Issued for 4" Meter								
Monthly Minimum Charge	x \$76.14	\$124.71	\$136.19	\$148.71	\$162.39	\$177.33	\$193.65	\$211.47
4" Meter Minimum Charge Revenue	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Bills Issued for 6" Meter								
Monthly Minimum Charge	x \$152.13	\$249.20	\$272.12	\$297.15	\$324.50	\$354.35	\$386.94	\$422.54
6" Meter Minimum Charge Revenue	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Sub-Total Fixed Charges - Uninc.		\$962	\$1,287	\$1,406	\$1,534	\$1,675	\$1,831	\$2,002

Village of Bensenville, Illinois
 2014 Water & Sewer Rate Study Update

Created by: CFB/JES
 Updated: 3/27/2014

PROJECTED WATER REVENUE - SCENARIO 1

Unincorporated Capital Recovery Fee

Unincorporated Additional Capital Recovery	320	320	320	320	320	320	320	320
Fee per Service	\$19.39	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sub-Total Uninc. Capital Recovery Fee	\$74,458	\$37,229	\$0	\$0	\$0	\$0	\$0	\$0

Commodity Charge Revenue

Metered Water Usage (gallons)	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690
Water Usage Rate (0-10,000 gal)	x \$5.38	\$5.87	\$6.41	\$7.00	\$7.64	\$8.34	\$9.11	\$9.95
Water Usage Revenue	\$2,044,813	\$2,137,931	\$2,402,085	\$2,623,163	\$2,863,244	\$3,125,497	\$3,413,722	\$3,728,552
Metered Water Usage (gallons)	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310
Water Usage Rate (above 10,000 gal)	x \$6.19	\$6.76	\$7.38	\$8.06	\$8.80	\$9.61	\$10.49	\$11.46
Water Usage Revenue	\$870,167	\$910,232	\$1,022,927	\$1,117,113	\$1,219,734	\$1,331,961	\$1,454,028	\$1,588,278
Sub-Total Commodity Charges	\$2,914,980	\$3,048,163	\$3,425,012	\$3,740,276	\$4,082,978	\$4,457,458	\$4,867,750	\$5,316,830

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED WATER REVENUE - SCENARIO 1

Commodity Charge Revenue - Unincorporated

Metered Water Usage (gallons)	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000
Water Usage Rate (0-10,000 gal)	x \$5.38	\$8.81	\$9.62	\$10.50	\$11.46	\$12.51	\$13.67	\$14.93
Water Usage Revenue	\$104,087	\$137,219	\$183,410	\$200,290	\$218,621	\$238,645	\$260,652	\$284,691
Metered Water Usage (gallons)	0	0	0	0	0	0	0	0
Water Usage Rate (above 10,000 gal)	x \$6.19	\$10.14	\$7.38	\$8.06	\$8.80	\$9.61	\$10.49	\$11.46
Water Usage Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sub-Total Commodity Charges - Uninc.	\$147,231	\$137,219	\$183,410	\$200,290	\$218,621	\$238,645	\$260,652	\$284,691

Capital Recovery

Metered Water Usage (gallons)	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000
Water Capital Recovery Rate	x \$2.23	\$2.44	\$2.66	\$2.90	\$3.17	\$3.46	\$3.78	\$4.13
Water Capital Recovery Revenue	1,161,056	\$1,215,725	\$1,365,846	\$1,489,068	\$1,627,041	\$1,776,294	\$1,940,300	\$2,119,925
Sub-Total Capital Recovery		\$1,215,725	\$1,365,846	\$1,489,068	\$1,627,041	\$1,776,294	\$1,940,300	\$2,119,925

Capital Recovery - Unincorporated

Metered Water Usage (gallons)	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000
Water Capital Recovery Rate	x \$2.23	\$2.44	\$2.66	\$2.90	\$3.17	\$3.46	\$3.78	\$4.13
Water Capital Recovery Revenue	\$43,144	\$45,175	\$50,754	\$55,332	\$60,459	\$66,006	\$72,100	\$78,775
Sub-Total Capital Recovery - Uninc		\$45,175	\$50,754	\$55,332	\$60,459	\$66,006	\$72,100	\$78,775

Total Water Revenue \$ 4,766,050 \$ 5,342,826 \$ 5,832,001 \$ 6,367,951 \$ 6,952,150 \$ 7,592,772 \$ 8,293,935

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED WATER REVENUE - SCENARIO 2

Fixed Charge Revenue

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Bills Issued for 5/8" and 3/4" Meters	48,403	48,403	48,403	48,403	48,403	48,403	48,403	48,403
Monthly Minimum Charge	x \$2.28	\$2.62	\$2.82	\$3.03	\$3.26	\$3.50	\$3.76	\$4.04
5/8" & 3/4" Min. Chg. Revenue	\$110,359	\$118,587	\$134,883	\$144,967	\$155,938	\$167,474	\$179,898	\$193,289
Bills Issued for 1" Meter	3,645	3,645	3,645	3,645	3,645	3,645	3,645	3,645
Monthly Minimum Charge	x \$7.66	\$8.81	\$9.47	\$10.18	\$10.94	\$11.76	\$12.64	\$13.59
1" Meter Minimum Charge Revenue	\$27,921	\$30,017	\$34,117	\$36,675	\$39,415	\$42,367	\$45,538	\$48,958
Bills Issued for 1 1/2" Meter	4,205	4,205	4,205	4,205	4,205	4,205	4,205	4,205
Monthly Minimum Charge	x \$15.16	\$17.43	\$18.74	\$20.15	\$21.66	\$23.28	\$25.03	\$26.91
1 1/2" Meter Minimum Chg. Revenue	\$63,748	\$68,520	\$77,884	\$83,743	\$90,022	\$96,757	\$104,025	\$111,839
Bills Issued for 2" Meter	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458
Monthly Minimum Charge	x \$24.30	\$27.95	\$30.05	\$32.30	\$34.72	\$37.32	\$40.12	\$43.13
2" Meter Minimum Charge Revenue	\$35,429	\$38,090	\$43,303	\$46,547	\$50,034	\$53,781	\$57,815	\$62,152
Bills Issued for 3" Meter	432	432	432	432	432	432	432	432
Monthly Minimum Charge	x \$45.65	\$52.50	\$56.44	\$60.67	\$65.22	\$70.11	\$75.37	\$81.02
3" Meter Minimum Charge Revenue	\$19,721	\$21,200	\$24,098	\$25,905	\$27,847	\$29,935	\$32,181	\$34,594
Bills Issued for 4" Meter	108	108	108	108	108	108	108	108
Monthly Minimum Charge	x \$76.14	\$87.56	\$94.13	\$101.19	\$108.78	\$116.94	\$125.71	\$135.14
4" Meter Minimum Charge Revenue	\$8,223	\$8,840	\$10,048	\$10,801	\$11,612	\$12,483	\$13,419	\$14,425
Bills Issued for 6" Meter	25	25	25	25	25	25	25	25
Monthly Minimum Charge	x \$152.13	\$174.95	\$188.07	\$202.18	\$217.34	\$233.64	\$251.16	\$270.00
6" Meter Minimum Charge Revenue	\$3,803	\$4,089	\$4,647	\$4,996	\$5,370	\$5,773	\$6,206	\$6,672
Sub-Total Fixed Charges	\$269,204	\$289,343	\$328,980	\$353,633	\$380,238	\$408,570	\$439,081	\$471,930

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED WATER REVENUE - SCENARIO 2

Fixed Charge Revenue - Unincorporated

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Bills Issued for 5/8" and 3/4" Meters	320	320	320	320	320	320	320	320
Monthly Minimum Charge	x \$2.28	\$3.93	\$4.23	\$4.55	\$4.89	\$5.25	\$5.64	\$6.06
5/8" & 3/4" Min. Chg. Revenue	\$730	\$994	\$1,338	\$1,438	\$1,546	\$1,661	\$1,784	\$1,917
Bills Issued for 1" Meter								
Monthly Minimum Charge	x \$7.66	\$13.22	\$14.21	\$15.27	\$16.41	\$17.64	\$18.96	\$20.39
1" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 1 1/2" Meter								
Monthly Minimum Charge	x \$15.16	\$26.15	\$28.11	\$30.23	\$32.49	\$34.92	\$37.55	\$40.37
1 1/2" Meter Minimum Chg. Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 2" Meter								
Monthly Minimum Charge	x \$24.30	\$41.93	\$45.08	\$48.45	\$52.08	\$55.98	\$60.18	\$64.70
2" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 3" Meter								
Monthly Minimum Charge	x \$45.65	\$78.75	\$84.66	\$91.01	\$97.83	\$105.17	\$113.06	\$121.53
3" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 4" Meter								
Monthly Minimum Charge	x \$76.14	\$131.34	\$141.20	\$151.79	\$163.17	\$175.41	\$188.57	\$202.71
4" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 6" Meter								
Monthly Minimum Charge	x \$152.13	\$262.43	\$282.11	\$303.27	\$326.01	\$350.46	\$376.74	\$405.00
6" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sub-Total Fixed Charges - Uninc.		\$994	\$1,338	\$1,438	\$1,546	\$1,661	\$1,784	\$1,917

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED WATER REVENUE - SCENARIO 2

Unincorporated Capital Recovery Fee

Unincorporated Additional Capital Recovery	320	320	320	320	320	320	320	320
Fee per Service	\$19.39	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sub-Total Uninc. Capital Recovery Fee	\$74,458	\$37,229	\$0	\$0	\$0	\$0	\$0	\$0

Commodity Charge Revenue

Metered Water Usage (gallons)	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690
Water Usage Rate (0-10,000 gal)	x \$5.38	\$6.19	\$6.65	\$7.15	\$7.69	\$8.27	\$8.89	\$9.56
Water Usage Revenue	\$2,044,813	\$2,198,744	\$2,498,371	\$2,685,875	\$2,888,583	\$3,106,493	\$3,339,607	\$3,591,091
Metered Water Usage (gallons)	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310
Water Usage Rate (above 10,000 gal)	x \$6.19	\$7.12	\$7.65	\$8.22	\$8.84	\$9.50	\$10.21	\$10.98
Water Usage Revenue	\$870,167	\$935,535	\$1,062,991	\$1,142,183	\$1,228,168	\$1,320,012	\$1,418,649	\$1,525,487
Sub-Total Commodity Charges	\$2,914,980	\$3,134,279	\$3,561,362	\$3,828,058	\$4,116,751	\$4,426,505	\$4,758,256	\$5,116,579

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED WATER REVENUE - SCENARIO 2

Commodity Charge Revenue - Unincorporated

Metered Water Usage (gallons)	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000
Water Usage Rate (0-10,000 gal)	x \$5.38	\$9.29	\$9.98	\$10.73	\$11.54	\$12.41	\$13.34	\$14.34
Water Usage Revenue	<u>\$104,087</u>	<u>\$141,862</u>	<u>\$190,761</u>	<u>\$205,078</u>	<u>\$220,556</u>	<u>\$237,194</u>	<u>\$254,993</u>	<u>\$274,195</u>
Metered Water Usage (gallons)	0	0	0	0	0	0	0	0
Water Usage Rate (above 10,000 gal)	x \$6.19	\$10.68	\$7.65	\$8.22	\$8.84	\$9.50	\$10.21	\$10.98
Water Usage Revenue	<u>\$0</u>							
Sub-Total Commodity Charges - Uninc.	\$147,231	\$141,862	\$190,761	\$205,078	\$220,556	\$237,194	\$254,993	\$274,195

Capital Recovery

Metered Water Usage (gallons)	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000
Water Capital Recovery Rate	x \$2.23	\$2.56	\$2.75	\$2.96	\$3.18	\$3.42	\$3.68	\$3.96
Water Capital Recovery Revenue	<u>1,161,056</u>	<u>\$1,246,964</u>	<u>\$1,415,308</u>	<u>\$1,522,910</u>	<u>\$1,636,586</u>	<u>\$1,759,807</u>	<u>\$1,893,441</u>	<u>\$2,037,489</u>
Sub-Total Capital Recovery	\$1,246,964	\$1,415,308	\$1,522,910	\$1,636,586	\$1,759,807	\$1,893,441	\$2,037,489	

Capital Recovery - Unincorporated

Metered Water Usage (gallons)	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000
Water Capital Recovery Rate	x \$2.23	\$2.56	\$2.75	\$2.96	\$3.18	\$3.42	\$3.68	\$3.96
Water Capital Recovery Revenue	<u>\$43,144</u>	<u>\$46,336</u>	<u>\$52,592</u>	<u>\$56,590</u>	<u>\$60,814</u>	<u>\$65,393</u>	<u>\$70,359</u>	<u>\$75,711</u>
Sub-Total Capital Recovery - Uninc	\$46,336	\$52,592	\$56,590	\$60,814	\$65,393	\$70,359	\$75,711	

Total Water Revenue \$ 4,897,007 \$ 5,550,341 \$ 5,967,707 \$ 6,416,491 \$ 6,899,130 \$ 7,417,915 \$ 7,977,820

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED WATER REVENUE - SCENARIO 3

Fixed Charge Revenue

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Bills Issued for 5/8" and 3/4" Meters	48,403	48,403	48,403	48,403	48,403	48,403	48,403	48,403
Monthly Minimum Charge	x \$2.28	\$3.30	\$3.30	\$3.30	\$3.30	\$3.30	\$3.30	\$3.30
5/8" & 3/4" Min. Chg. Revenue	\$110,359	\$135,044	\$159,730	\$159,730	\$159,730	\$159,730	\$159,730	\$159,730
Bills Issued for 1" Meter	3,645	3,645	3,645	3,645	3,645	3,645	3,645	3,645
Monthly Minimum Charge	x \$7.66	\$11.08	\$11.08	\$11.08	\$11.08	\$11.08	\$11.08	\$11.08
1" Meter Minimum Charge Revenue	\$27,921	\$34,154	\$40,387	\$40,387	\$40,387	\$40,387	\$40,387	\$40,387
Bills Issued for 1 1/2" Meter	4,205	4,205	4,205	4,205	4,205	4,205	4,205	4,205
Monthly Minimum Charge	x \$15.16	\$21.94	\$21.94	\$21.94	\$21.94	\$21.94	\$21.94	\$21.94
1 1/2" Meter Minimum Chg. Revenue	\$63,748	\$78,003	\$92,258	\$92,258	\$92,258	\$92,258	\$92,258	\$92,258
Bills Issued for 2" Meter	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458
Monthly Minimum Charge	x \$24.30	\$35.16	\$35.16	\$35.16	\$35.16	\$35.16	\$35.16	\$35.16
2" Meter Minimum Charge Revenue	\$35,429	\$43,346	\$51,263	\$51,263	\$51,263	\$51,263	\$51,263	\$51,263
Bills Issued for 3" Meter	432	432	432	432	432	432	432	432
Monthly Minimum Charge	x \$45.65	\$66.06	\$66.06	\$66.06	\$66.06	\$66.06	\$66.06	\$66.06
3" Meter Minimum Charge Revenue	\$19,721	\$24,129	\$28,538	\$28,538	\$28,538	\$28,538	\$28,538	\$28,538
Bills Issued for 4" Meter	108	108	108	108	108	108	108	108
Monthly Minimum Charge	x \$76.14	\$110.17	\$110.17	\$110.17	\$110.17	\$110.17	\$110.17	\$110.17
4" Meter Minimum Charge Revenue	\$8,223	\$10,061	\$11,898	\$11,898	\$11,898	\$11,898	\$11,898	\$11,898
Bills Issued for 6" Meter	25	25	25	25	25	25	25	25
Monthly Minimum Charge	x \$152.13	\$220.13	\$220.13	\$220.13	\$220.13	\$220.13	\$220.13	\$220.13
6" Meter Minimum Charge Revenue	\$3,803	\$4,653	\$5,503	\$5,503	\$5,503	\$5,503	\$5,503	\$5,503
Sub-Total Fixed Charges	\$269,204	\$329,390	\$389,577	\$389,577	\$389,577	\$389,577	\$389,577	\$389,577

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED WATER REVENUE - SCENARIO 3

Fixed Charge Revenue - Unincorporated

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Bills Issued for 5/8" and 3/4" Meters	320	320	320	320	320	320	320	320
Monthly Minimum Charge	x \$2.28	\$4.95	\$4.95	\$4.95	\$4.95	\$4.95	\$4.95	\$4.95
5/8" & 3/4" Min. Chg. Revenue	\$730	\$1,157	\$1,584	\$1,584	\$1,584	\$1,584	\$1,584	\$1,584
Bills Issued for 1" Meter								
Monthly Minimum Charge	x \$7.66	\$16.62	\$16.62	\$16.62	\$16.62	\$16.62	\$16.62	\$16.62
1" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 1 1/2" Meter								
Monthly Minimum Charge	x \$15.16	\$32.91	\$32.91	\$32.91	\$32.91	\$32.91	\$32.91	\$32.91
1 1/2" Meter Minimum Chg. Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 2" Meter								
Monthly Minimum Charge	x \$24.30	\$52.74	\$52.74	\$52.74	\$52.74	\$52.74	\$52.74	\$52.74
2" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 3" Meter								
Monthly Minimum Charge	x \$45.65	\$99.09	\$99.09	\$99.09	\$99.09	\$99.09	\$99.09	\$99.09
3" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 4" Meter								
Monthly Minimum Charge	x \$76.14	\$165.26	\$165.26	\$165.26	\$165.26	\$165.26	\$165.26	\$165.26
4" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 6" Meter								
Monthly Minimum Charge	x \$152.13	\$330.20	\$330.20	\$330.20	\$330.20	\$330.20	\$330.20	\$330.20
6" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sub-Total Fixed Charges - Uninc.		\$1,157	\$1,584	\$1,584	\$1,584	\$1,584	\$1,584	\$1,584

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED WATER REVENUE - SCENARIO 3

Unincorporated Capital Recovery Fee

Unincorporated Additional Capital Recovery	320	320	320	320	320	320	320	320
Fee per Service	\$19.39	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sub-Total Uninc. Capital Recovery Fee	\$74,458	\$37,229	\$0	\$0	\$0	\$0	\$0	\$0

Commodity Charge Revenue

Metered Water Usage (gallons)	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690
Water Usage Rate (0-10,000 gal)	x \$5.38	\$7.78	\$7.78	\$7.78	\$7.78	\$7.78	\$7.78	\$7.78
Water Usage Revenue	\$2,044,813	\$2,500,905	\$2,956,997	\$2,956,997	\$2,956,997	\$2,956,997	\$2,956,997	\$2,956,997
Metered Water Usage (gallons)	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310
Water Usage Rate (above 10,000 gal)	x \$6.19	\$8.96	\$8.96	\$8.96	\$8.96	\$8.96	\$8.96	\$8.96
Water Usage Revenue	\$870,167	\$1,064,866	\$1,259,564	\$1,259,564	\$1,259,564	\$1,259,564	\$1,259,564	\$1,259,564
Sub-Total Commodity Charges	\$2,914,980	\$3,565,770	\$4,216,560	\$4,216,560	\$4,216,560	\$4,216,560	\$4,216,560	\$4,216,560

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED WATER REVENUE - SCENARIO 3

Commodity Charge Revenue - Unincorporated

Metered Water Usage (gallons)	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000
Water Usage Rate (0-10,000 gal)	x \$5.38	\$11.67	\$11.67	\$11.67	\$11.67	\$11.67	\$11.67	\$11.67
Water Usage Revenue	\$104,087	\$164,933	\$225,779	\$225,779	\$225,779	\$225,779	\$225,779	\$225,779
Metered Water Usage (gallons)	0	0	0	0	0	0	0	0
Water Usage Rate (above 10,000 gal)	x \$6.19	\$13.44	\$8.96	\$8.96	\$8.96	\$8.96	\$8.96	\$8.96
Water Usage Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sub-Total Commodity Charges - Uninc.	\$147,231	\$164,933	\$225,779	\$225,779	\$225,779	\$225,779	\$225,779	\$225,779

Capital Recovery

Metered Water Usage (gallons)	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000
Water Capital Recovery Rate	x \$2.23	\$3.23	\$3.23	\$3.23	\$3.23	\$3.23	\$3.23	\$3.23
Water Capital Recovery Revenue	1,161,056	\$1,421,383	\$1,681,709	\$1,681,709	\$1,681,709	\$1,681,709	\$1,681,709	\$1,681,709
Sub-Total Capital Recovery		\$1,421,383	\$1,681,709	\$1,681,709	\$1,681,709	\$1,681,709	\$1,681,709	\$1,681,709

Capital Recovery - Unincorporated

Metered Water Usage (gallons)	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000
Water Capital Recovery Rate	x \$2.23	\$3.23	\$3.23	\$3.23	\$3.23	\$3.23	\$3.23	\$3.23
Water Capital Recovery Revenue	\$43,144	\$52,817	\$62,491	\$62,491	\$62,491	\$62,491	\$62,491	\$62,491
Sub-Total Capital Recovery - Uninc		\$52,817	\$62,491	\$62,491	\$62,491	\$62,491	\$62,491	\$62,491
Total Water Revenue		\$ 5,572,679	\$ 6,577,701					

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED SEWER REVENUE - BASELINE

Fixed Charge Revenue

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Bills Issued for 5/8" and 3/4" Meters	48,403	48,403	48,403	48,403	48,403	48,403	48,403	48,403
Monthly Minimum Charge	x \$4.53	\$4.53	\$4.53	\$4.53	\$4.53	\$4.53	\$4.53	\$4.53
5/8" & 3/4" Min. Chg. Revenue	\$219,266	\$219,266	\$219,266	\$219,266	\$219,266	\$219,266	\$219,266	\$219,266
Bills Issued for 1" Meter	3,645	3,645	3,645	3,645	3,645	3,645	3,645	3,645
Monthly Minimum Charge	x \$15.06	\$15.06	\$15.06	\$15.06	\$15.06	\$15.06	\$15.06	\$15.06
1" Meter Minimum Charge Revenue	\$54,894	\$54,894	\$54,894	\$54,894	\$54,894	\$54,894	\$54,894	\$54,894
Bills Issued for 1 1/2" Meter	4,205	4,205	4,205	4,205	4,205	4,205	4,205	4,205
Monthly Minimum Charge	x \$30.32	\$30.32	\$30.32	\$30.32	\$30.32	\$30.32	\$30.32	\$30.32
1 1/2" Meter Minimum Chg. Revenue	\$127,496	\$127,496	\$127,496	\$127,496	\$127,496	\$127,496	\$127,496	\$127,496
Bills Issued for 2" Meter	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458
Monthly Minimum Charge	x \$48.46	\$48.46	\$48.46	\$48.46	\$48.46	\$48.46	\$48.46	\$48.46
2" Meter Minimum Charge Revenue	\$70,655	\$70,655	\$70,655	\$70,655	\$70,655	\$70,655	\$70,655	\$70,655
Bills Issued for 3" Meter	432	432	432	432	432	432	432	432
Monthly Minimum Charge	x \$90.75	\$90.75	\$90.75	\$90.75	\$90.75	\$90.75	\$90.75	\$90.75
3" Meter Minimum Charge Revenue	\$39,204	\$39,204	\$39,204	\$39,204	\$39,204	\$39,204	\$39,204	\$39,204
Bills Issued for 4" Meter	108	108	108	108	108	108	108	108
Monthly Minimum Charge	x \$151.19	\$151.19	\$151.19	\$151.19	\$151.19	\$151.19	\$151.19	\$151.19
4" Meter Minimum Charge Revenue	\$16,329	\$16,329	\$16,329	\$16,329	\$16,329	\$16,329	\$16,329	\$16,329
Bills Issued for 6" Meter	25	25	25	25	25	25	25	25
Monthly Minimum Charge	x \$302.60	\$302.60	\$302.60	\$302.60	\$302.60	\$302.60	\$302.60	\$302.60
6" Meter Minimum Charge Revenue	\$7,565	\$7,565	\$7,565	\$7,565	\$7,565	\$7,565	\$7,565	\$7,565
Sub-Total Fixed Charge Revenue	\$535,407							

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

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Updated: 3/27/2014

PROJECTED SEWER REVENUE - BASELINE

Fixed Charge Revenue - Unincorporated

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Bills Issued for 5/8" and 3/4" Meters	320	320	320	320	320	320	320	320
Monthly Minimum Charge	x \$4.53	\$4.53	\$4.53	\$4.53	\$4.53	\$4.53	\$4.53	\$4.53
5/8" & 3/4" Min. Chg. Revenue	\$1,450	\$1,450	\$1,450	\$1,450	\$1,450	\$1,450	\$1,450	\$1,450
Bills Issued for 1" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$15.06	\$15.06	\$15.06	\$15.06	\$15.06	\$15.06	\$15.06	\$15.06
1" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 1 1/2" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$30.32	\$30.32	\$30.32	\$30.32	\$30.32	\$30.32	\$30.32	\$30.32
1 1/2" Meter Minimum Chg. Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 2" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$48.46	\$48.46	\$48.46	\$48.46	\$48.46	\$48.46	\$48.46	\$48.46
2" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 3" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$90.75	\$90.75	\$90.75	\$90.75	\$90.75	\$90.75	\$90.75	\$90.75
3" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 4" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$151.19	\$151.19	\$151.19	\$151.19	\$151.19	\$151.19	\$151.19	\$151.19
4" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 6" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$302.60	\$302.60	\$302.60	\$302.60	\$302.60	\$302.60	\$302.60	\$302.60
6" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sub-Total Fixed Charge Revenue Uninc.	\$1,450							

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED SEWER REVENUE - BASELINE

Commodity Charge Revenue

Metered Water Usage (gallons)	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690
Sewer Usage Rate (0-10,000 gal)	x \$4.25	\$4.25	\$4.25	\$4.25	\$4.25	\$4.25	\$4.25	\$4.25
Sewer Usage Revenue	\$1,615,326	\$1,615,326	\$1,615,326	\$1,615,326	\$1,615,326	\$1,615,326	\$1,615,326	\$1,615,326
Metered Water Usage (gallons)	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310
Sewer Usage Rate (above 10,000 gal)	x \$4.89	\$4.89	\$4.89	\$4.89	\$4.89	\$4.89	\$4.89	\$4.89
Sewer Usage Revenue	\$687,418	\$687,418	\$687,418	\$687,418	\$687,418	\$687,418	\$687,418	\$687,418
Sub-Total Commodity Charges	\$2,302,744							

Commodity Charge Revenue - Unincorporated

Metered Water Usage (gallons)	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000
Sewer Usage Rate (0-10,000 gal)	x \$4.25	\$4.25	\$4.25	\$4.25	\$4.25	\$4.25	\$4.25	\$4.25
Sewer Usage Revenue	\$82,225	\$82,225	\$82,225	\$82,225	\$82,225	\$82,225	\$82,225	\$82,225
Metered Water Usage (gallons)	0	0	0	0	0	0	0	0
Sewer Usage Rate (above 10,000 gal)	x \$4.89	\$7.34	\$7.34	\$7.34	\$7.34	\$7.34	\$7.34	\$7.34
Sewer Usage Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sub-Total Commodity Charges - Uninc.	\$82,225							

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED SEWER REVENUE - BASELINE

Capital Recovery

Metered Water Usage (gallons)	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000
Sewer Capital Recovery Rate	x \$2.41	\$2.41	\$2.41	\$2.41	\$2.41	\$2.41	\$2.41	\$2.41
Sewer Capital Recovery Revenue	\$1,254,774	\$1,254,774	\$1,254,774	\$1,254,774	\$1,254,774	\$1,254,774	\$1,254,774	\$1,254,774
Sub-Total Capital Recovery	\$1,254,774							

Capital Recovery - Unincorporated

Uninc. Water Usage (gallons)	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000
Uninc. Sewer Usage	x \$2.41	\$2.41	\$2.41	\$2.41	\$2.41	\$2.41	\$2.41	\$2.41
Sewer Unic. Usage Revenue	\$46,626	\$46,626	\$46,626	\$46,626	\$46,626	\$46,626	\$46,626	\$46,626
Sub-Total Capital Recovery - Uninc	\$46,626	\$46,626	\$46,626	\$46,626	\$46,626	\$46,626	\$46,626	\$46,626
Total Sewer Revenue		\$4,223,226						

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED SEWER REVENUE - SCENARIO 1

Fixed Charge Revenue

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Bills Issued for 5/8" and 3/4" Meters	48,403	48,403	48,403	48,403	48,403	48,403	48,403	48,403
Monthly Minimum Charge	x \$4.53	\$4.95	\$5.41	\$5.91	\$6.45	\$7.04	\$7.69	\$8.40
5/8" & 3/4" Min. Chg. Revenue	\$219,266	\$229,430	\$258,149	\$282,028	\$307,843	\$335,997	\$366,975	\$400,858
Bills Issued for 1" Meter	3,645	3,645	3,645	3,645	3,645	3,645	3,645	3,645
Monthly Minimum Charge	x \$15.06	\$16.45	\$17.96	\$19.61	\$21.41	\$23.38	\$25.53	\$27.88
1" Meter Minimum Charge Revenue	\$54,894	\$57,427	\$64,547	\$70,476	\$76,946	\$84,023	\$91,751	\$100,195
Bills Issued for 1 1/2" Meter	4,205	4,205	4,205	4,205	4,205	4,205	4,205	4,205
Monthly Minimum Charge	x \$30.32	\$33.11	\$36.16	\$39.49	\$43.12	\$47.09	\$51.42	\$56.15
1 1/2" Meter Minimum Chg. Revenue	\$127,496	\$133,362	\$149,915	\$163,722	\$178,776	\$195,231	\$213,186	\$232,796
Bills Issued for 2" Meter	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458
Monthly Minimum Charge	x \$48.46	\$52.92	\$57.79	\$63.11	\$68.92	\$75.26	\$82.18	\$89.74
2" Meter Minimum Charge Revenue	\$70,655	\$73,906	\$83,074	\$90,722	\$99,074	\$108,188	\$118,137	\$129,004
Bills Issued for 3" Meter	432	432	432	432	432	432	432	432
Monthly Minimum Charge	x \$90.75	\$99.10	\$108.22	\$118.18	\$129.05	\$140.92	\$153.88	\$168.04
3" Meter Minimum Charge Revenue	\$39,204	\$41,008	\$46,094	\$50,337	\$54,967	\$60,023	\$65,543	\$71,574
Bills Issued for 4" Meter	108	108	108	108	108	108	108	108
Monthly Minimum Charge	x \$151.19	\$165.10	\$180.29	\$196.88	\$214.99	\$234.77	\$256.37	\$279.96
4" Meter Minimum Charge Revenue	\$16,329	\$17,080	\$19,198	\$20,964	\$22,893	\$24,999	\$27,299	\$29,811
Bills Issued for 6" Meter	25	25	25	25	25	25	25	25
Monthly Minimum Charge	x \$302.60	\$330.44	\$360.84	\$394.04	\$430.29	\$469.88	\$513.11	\$560.32
6" Meter Minimum Charge Revenue	\$7,565	\$7,913	\$8,894	\$9,713	\$10,606	\$11,582	\$12,648	\$13,811
Sub-Total Fixed Charge Revenue	\$535,407	\$560,125	\$629,873	\$687,961	\$751,104	\$820,044	\$895,539	\$978,048

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED SEWER REVENUE - SCENARIO 1

Fixed Charge Revenue - Unincorporated

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Bills Issued for 5/8" and 3/4" Meters	320	320	320	320	320	320	320	320
Monthly Minimum Charge	x \$4.53	\$7.43	\$8.12	\$8.87	\$9.68	\$10.56	\$11.54	\$12.60
5/8" & 3/4" Min. Chg. Revenue	\$1,450	\$1,913	\$2,560	\$2,797	\$3,053	\$3,332	\$3,639	\$3,975
Bills Issued for 1" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$15.06	\$24.68	\$26.94	\$29.42	\$32.12	\$35.07	\$38.30	\$41.82
1" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 1 1/2" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$30.32	\$49.67	\$54.24	\$59.24	\$64.68	\$70.64	\$77.13	\$84.23
1 1/2" Meter Minimum Chg. Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 2" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$48.46	\$79.38	\$86.69	\$94.67	\$103.38	\$112.89	\$123.27	\$134.61
2" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 3" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$90.75	\$148.65	\$162.33	\$177.27	\$193.58	\$211.38	\$230.82	\$252.06
3" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 4" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$151.19	\$247.65	\$270.44	\$295.32	\$322.49	\$352.16	\$384.56	\$419.94
4" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 6" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$302.60	\$495.66	\$541.26	\$591.06	\$645.44	\$704.82	\$769.67	\$840.48
6" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sub-Total Fixed Charge Revenue Uninc.	\$1,450	\$1,913	\$2,560	\$2,797	\$3,053	\$3,332	\$3,639	\$3,975

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED SEWER REVENUE - SCENARIO 1

Commodity Charge Revenue

Metered Water Usage (gallons)	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690
Sewer Usage Rate (0-10,000 gal)	x \$4.25	\$4.64	\$5.07	\$5.54	\$6.05	\$6.61	\$7.22	\$7.88
Sewer Usage Revenue	\$1,615,326	\$1,689,441	\$1,899,750	\$2,075,852	\$2,267,157	\$2,476,833	\$2,705,513	\$2,953,196
Metered Water Usage (gallons)	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310
Sewer Usage Rate (above 10,000 gal)	x \$4.89	\$5.34	\$5.83	\$6.37	\$6.96	\$7.60	\$8.30	\$9.06
Sewer Usage Revenue	\$687,418	\$719,048	\$808,079	\$882,819	\$964,588	\$1,053,385	\$1,150,383	\$1,255,815
Sub-Total Commodity Charges	\$2,302,744	\$2,408,489	\$2,707,829	\$2,958,671	\$3,231,745	\$3,530,218	\$3,855,895	\$4,209,011

Commodity Charge Revenue - Unincorporated

Metered Water Usage (gallons)	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000
Sewer Usage Rate (0-10,000 gal)	x \$4.25	\$6.96	\$7.61	\$8.31	\$9.08	\$9.92	\$10.83	\$11.82
Sewer Usage Revenue	\$82,225	\$108,440	\$145,054	\$158,500	\$173,107	\$189,117	\$206,578	\$225,489
Metered Water Usage (gallons)	0	0	0	0	0	0	0	0
Sewer Usage Rate (above 10,000 gal)	x \$4.89	\$8.01	\$8.75	\$9.56	\$10.44	\$11.40	\$12.45	\$13.59
Sewer Usage Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sub-Total Commodity Charges - Uninc.	\$82,225	\$108,440	\$145,054	\$158,500	\$173,107	\$189,117	\$206,578	\$225,489

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED SEWER REVENUE - SCENARIO 1

Capital Recovery

Metered Water Usage (gallons)	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000
Sewer Capital Recovery Rate	x \$2.41	\$2.63	\$2.87	\$3.13	\$3.42	\$3.73	\$4.07	\$4.44
Sewer Capital Recovery Revenue	\$1,254,774	\$1,312,046	\$1,473,448	\$1,607,082	\$1,755,468	\$1,915,135	\$2,089,554	\$2,279,592
Sub-Total Capital Recovery	\$1,254,774	\$1,312,046	\$1,473,448	\$1,607,082	\$1,755,468	\$1,915,135	\$2,089,554	\$2,279,592

Capital Recovery - Unincorporated

Uninc. Water Usage (gallons)	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000
Uninc. Sewer Usage	x \$2.41	\$3.95	\$4.31	\$4.70	\$5.13	\$5.60	\$6.11	\$6.66
Sewer Unic. Usage Revenue	\$46,626	\$61,475	\$82,128	\$89,577	\$97,847	\$106,747	\$116,469	\$127,061
Sub-Total Capital Recovery - Uninc	\$46,626	\$61,475	\$82,128	\$89,577	\$97,847	\$106,747	\$116,469	\$127,061
Total Sewer Revenue		\$4,452,487	\$5,040,892	\$5,504,589	\$6,012,325	\$6,564,594	\$7,167,674	\$7,823,177

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED SEWER REVENUE - SCENARIO 2

Fixed Charge Revenue

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Bills Issued for 5/8" and 3/4" Meters	48,403	48,403	48,403	48,403	48,403	48,403	48,403	48,403
Monthly Minimum Charge	x \$4.53	\$5.21	\$5.60	\$6.02	\$6.47	\$6.96	\$7.48	\$8.04
5/8" & 3/4" Min. Chg. Revenue	\$219,266	\$235,723	\$267,911	\$287,998	\$309,537	\$332,932	\$357,860	\$384,643
Bills Issued for 1" Meter	3,645	3,645	3,645	3,645	3,645	3,645	3,645	3,645
Monthly Minimum Charge	x \$15.06	\$17.32	\$18.62	\$20.02	\$21.52	\$23.13	\$24.86	\$26.72
1" Meter Minimum Charge Revenue	\$54,894	\$59,013	\$67,080	\$72,122	\$77,529	\$83,331	\$89,564	\$96,264
Bills Issued for 1 1/2" Meter	4,205	4,205	4,205	4,205	4,205	4,205	4,205	4,205
Monthly Minimum Charge	x \$30.32	\$34.87	\$37.49	\$40.30	\$43.32	\$46.57	\$50.06	\$53.81
1 1/2" Meter Minimum Chg. Revenue	\$127,496	\$137,062	\$155,809	\$167,492	\$180,044	\$193,549	\$208,056	\$223,643
Bills Issued for 2" Meter	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458
Monthly Minimum Charge	x \$48.46	\$55.73	\$59.91	\$64.40	\$69.23	\$74.42	\$80.00	\$86.00
2" Meter Minimum Charge Revenue	\$70,655	\$75,955	\$86,333	\$92,804	\$99,764	\$107,243	\$115,284	\$123,930
Bills Issued for 3" Meter	432	432	432	432	432	432	432	432
Monthly Minimum Charge	x \$90.75	\$104.36	\$112.19	\$120.60	\$129.65	\$139.37	\$149.82	\$161.06
3" Meter Minimum Charge Revenue	\$39,204	\$42,144	\$47,902	\$51,494	\$55,357	\$59,508	\$63,970	\$68,769
Bills Issued for 4" Meter	108	108	108	108	108	108	108	108
Monthly Minimum Charge	x \$151.19	\$173.87	\$186.91	\$200.93	\$216.00	\$232.20	\$249.62	\$268.34
4" Meter Minimum Charge Revenue	\$16,329	\$17,553	\$19,952	\$21,448	\$23,057	\$24,786	\$26,645	\$28,644
Bills Issued for 6" Meter	25	25	25	25	25	25	25	25
Monthly Minimum Charge	x \$302.60	\$347.99	\$374.09	\$402.15	\$432.31	\$464.73	\$499.58	\$537.05
6" Meter Minimum Charge Revenue	\$7,565	\$8,132	\$9,244	\$9,937	\$10,682	\$11,483	\$12,344	\$13,270
Sub-Total Fixed Charge Revenue	\$535,407	\$575,581	\$654,230	\$703,295	\$755,970	\$812,832	\$873,723	\$939,162

Village of Bensenville, Illinois
 2014 Water & Sewer Rate Study Update

Created by: CFB/JES
 Updated: 3/27/2014

PROJECTED SEWER REVENUE - SCENARIO 2

Fixed Charge Revenue - Unincorporated

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Bills Issued for 5/8" and 3/4" Meters	320	320	320	320	320	320	320	320
Monthly Minimum Charge	x \$4.53	\$7.82	\$8.40	\$9.03	\$9.71	\$10.44	\$11.22	\$12.06
5/8" & 3/4" Min. Chg. Revenue	\$1,450	\$1,975	\$2,657	\$2,856	\$3,070	\$3,302	\$3,549	\$3,814
Bills Issued for 1" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$15.06	\$25.98	\$27.93	\$30.03	\$32.28	\$34.70	\$37.29	\$40.08
1" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 1 1/2" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$30.32	\$52.31	\$56.24	\$60.45	\$64.98	\$69.86	\$75.09	\$80.72
1 1/2" Meter Minimum Chg. Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 2" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$48.46	\$83.60	\$89.87	\$96.60	\$103.85	\$111.63	\$120.00	\$129.00
2" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 3" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$90.75	\$156.54	\$168.29	\$180.90	\$194.48	\$209.06	\$224.73	\$241.59
3" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 4" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$151.19	\$260.81	\$280.37	\$301.40	\$324.00	\$348.30	\$374.43	\$402.51
4" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 6" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$302.60	\$521.99	\$561.14	\$603.23	\$648.47	\$697.10	\$749.37	\$805.58
6" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sub-Total Fixed Charge Revenue Uninc.	\$1,450	\$1,975	\$2,657	\$2,856	\$3,070	\$3,302	\$3,549	\$3,814

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED SEWER REVENUE - SCENARIO 2

Commodity Charge Revenue

Metered Water Usage (gallons)	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690
Sewer Usage Rate (0-10,000 gal)	x \$4.25	\$4.89	\$5.26	\$5.65	\$6.07	\$6.53	\$7.02	\$7.55
Sewer Usage Revenue	\$1,615,326	\$1,736,950	\$1,975,765	\$2,122,728	\$2,280,460	\$2,452,762	\$2,637,099	\$2,836,006
Metered Water Usage (gallons)	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310
Sewer Usage Rate (above 10,000 gal)	x \$4.89	\$5.62	\$6.04	\$6.49	\$6.98	\$7.50	\$8.06	\$8.66
Sewer Usage Revenue	\$687,418	\$738,729	\$839,241	\$901,797	\$969,742	\$1,042,139	\$1,119,925	\$1,203,333
Sub-Total Commodity Charges	\$2,302,744	\$2,475,679	\$2,815,006	\$3,024,525	\$3,250,202	\$3,494,901	\$3,757,023	\$4,039,339

Commodity Charge Revenue - Unincorporated

Metered Water Usage (gallons)	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000
Sewer Usage Rate (0-10,000 gal)	x \$4.25	\$7.34	\$7.89	\$8.48	\$9.11	\$9.80	\$10.53	\$11.33
Sewer Usage Revenue	\$82,225	\$112,067	\$150,858	\$162,079	\$174,123	\$187,279	\$201,354	\$216,541
Metered Water Usage (gallons)	0	0	0	0	0	0	0	0
Sewer Usage Rate (above 10,000 gal)	x \$4.89	\$8.43	\$9.06	\$9.74	\$10.47	\$11.25	\$12.09	\$12.99
Sewer Usage Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sub-Total Commodity Charges - Uninc.	\$82,225	\$112,067	\$150,858	\$162,079	\$174,123	\$187,279	\$201,354	\$216,541

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

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Updated: 3/27/2014

PROJECTED SEWER REVENUE - SCENARIO 2

Capital Recovery

Metered Water Usage (gallons)	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000
Sewer Capital Recovery Rate	x \$2.41	\$2.77	\$2.98	\$3.20	\$3.44	\$3.70	\$3.98	\$4.28
Sewer Capital Recovery Revenue	\$1,254,774	\$1,348,491	\$1,533,323	\$1,646,999	\$1,770,220	\$1,903,854	\$2,047,902	\$2,202,362
Sub-Total Capital Recovery	\$1,254,774	\$1,348,491	\$1,533,323	\$1,646,999	\$1,770,220	\$1,903,854	\$2,047,902	\$2,202,362

Capital Recovery - Unincorporated

Uninc. Water Usage (gallons)	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000
Uninc. Sewer Usage	x \$2.41	\$4.16	\$4.47	\$4.80	\$5.16	\$5.55	\$5.97	\$6.42
Sewer Uninc. Usage Revenue	\$46,626	\$63,507	\$85,465	\$91,802	\$98,670	\$106,118	\$114,147	\$122,757
Sub-Total Capital Recovery - Uninc	\$46,626	\$63,507	\$85,465	\$91,802	\$98,670	\$106,118	\$114,147	\$122,757
Total Sewer Revenue		\$4,577,300	\$5,241,540	\$5,631,556	\$6,052,255	\$6,508,286	\$6,997,698	\$7,523,976

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

PROJECTED SEWER REVENUE - SCENARIO 3

Fixed Charge Revenue

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Bills Issued for 5/8" and 3/4" Meters	48,403	48,403	48,403	48,403	48,403	48,403	48,403	48,403
Monthly Minimum Charge	x \$4.53	\$6.55	\$6.55	\$6.55	\$6.55	\$6.55	\$6.55	\$6.55
5/8" & 3/4" Min. Chg. Revenue	\$219,266	\$268,153	\$317,040	\$317,040	\$317,040	\$317,040	\$317,040	\$317,040
Bills Issued for 1" Meter	3,645	3,645	3,645	3,645	3,645	3,645	3,645	3,645
Monthly Minimum Charge	x \$15.06	\$21.79	\$21.79	\$21.79	\$21.79	\$21.79	\$21.79	\$21.79
1" Meter Minimum Charge Revenue	\$54,894	\$67,159	\$79,425	\$79,425	\$79,425	\$79,425	\$79,425	\$79,425
Bills Issued for 1 1/2" Meter	4,205	4,205	4,205	4,205	4,205	4,205	4,205	4,205
Monthly Minimum Charge	x \$30.32	\$43.87	\$43.87	\$43.87	\$43.87	\$43.87	\$43.87	\$43.87
1 1/2" Meter Minimum Chg. Revenue	\$127,496	\$155,984	\$184,473	\$184,473	\$184,473	\$184,473	\$184,473	\$184,473
Bills Issued for 2" Meter	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458
Monthly Minimum Charge	x \$48.46	\$70.12	\$70.12	\$70.12	\$70.12	\$70.12	\$70.12	\$70.12
2" Meter Minimum Charge Revenue	\$70,655	\$86,445	\$102,235	\$102,235	\$102,235	\$102,235	\$102,235	\$102,235
Bills Issued for 3" Meter	432	432	432	432	432	432	432	432
Monthly Minimum Charge	x \$90.75	\$131.32	\$131.32	\$131.32	\$131.32	\$131.32	\$131.32	\$131.32
3" Meter Minimum Charge Revenue	\$39,204	\$47,967	\$56,730	\$56,730	\$56,730	\$56,730	\$56,730	\$56,730
Bills Issued for 4" Meter	108	108	108	108	108	108	108	108
Monthly Minimum Charge	x \$151.19	\$218.77	\$218.77	\$218.77	\$218.77	\$218.77	\$218.77	\$218.77
4" Meter Minimum Charge Revenue	\$16,329	\$19,978	\$23,627	\$23,627	\$23,627	\$23,627	\$23,627	\$23,627
Bills Issued for 6" Meter	25	25	25	25	25	25	25	25
Monthly Minimum Charge	x \$302.60	\$437.86	\$437.86	\$437.86	\$437.86	\$437.86	\$437.86	\$437.86
6" Meter Minimum Charge Revenue	\$7,565	\$9,256	\$10,947	\$10,947	\$10,947	\$10,947	\$10,947	\$10,947
Sub-Total Fixed Charge Revenue	\$535,407	\$654,942	\$774,476	\$774,476	\$774,476	\$774,476	\$774,476	\$774,476

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

Fixed Charge Revenue - Unincorporated

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Bills Issued for 5/8" and 3/4" Meters	320	320	320	320	320	320	320	320
Monthly Minimum Charge	x \$4.53	\$9.83	\$9.83	\$9.83	\$9.83	\$9.83	\$9.83	\$9.83
5/8" & 3/4" Min. Chg. Revenue	\$1,450	\$2,297	\$3,144	\$3,144	\$3,144	\$3,144	\$3,144	\$3,144
Bills Issued for 1" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$15.06	\$32.69	\$32.69	\$32.69	\$32.69	\$32.69	\$32.69	\$32.69
1" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 1 1/2" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$30.32	\$65.81	\$65.81	\$65.81	\$65.81	\$65.81	\$65.81	\$65.81
1 1/2" Meter Minimum Chg. Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 2" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$48.46	\$105.18	\$105.18	\$105.18	\$105.18	\$105.18	\$105.18	\$105.18
2" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 3" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$90.75	\$196.98	\$196.98	\$196.98	\$196.98	\$196.98	\$196.98	\$196.98
3" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 4" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$151.19	\$328.16	\$328.16	\$328.16	\$328.16	\$328.16	\$328.16	\$328.16
4" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bills Issued for 6" Meter	0	0	0	0	0	0	0	0
Monthly Minimum Charge	x \$302.60	\$656.79	\$656.79	\$656.79	\$656.79	\$656.79	\$656.79	\$656.79
6" Meter Minimum Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sub-Total Fixed Charge Revenue Uninc.	\$1,450	\$2,297	\$3,144	\$3,144	\$3,144	\$3,144	\$3,144	\$3,144

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

Commodity Charge Revenue

Metered Water Usage (gallons)	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690	380,076,690
Sewer Usage Rate (0-10,000 gal)	x \$4.25	\$6.15	\$6.15	\$6.15	\$6.15	\$6.15	\$6.15	\$6.15
Sewer Usage Revenue	\$1,615,326	\$1,976,399	\$2,337,472	\$2,337,472	\$2,337,472	\$2,337,472	\$2,337,472	\$2,337,472
Metered Water Usage (gallons)	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310	140,576,310
Sewer Usage Rate (above 10,000 gal)	x \$4.89	\$7.08	\$7.08	\$7.08	\$7.08	\$7.08	\$7.08	\$7.08
Sewer Usage Revenue	\$687,418	\$841,349	\$995,280	\$995,280	\$995,280	\$995,280	\$995,280	\$995,280
Sub-Total Commodity Charges	\$2,302,744	\$2,817,748	\$3,332,752	\$3,332,752	\$3,332,752	\$3,332,752	\$3,332,752	\$3,332,752

Commodity Charge Revenue - Unincorporated

Metered Water Usage (gallons)	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000
Sewer Usage Rate (0-10,000 gal)	x \$4.25	\$9.23	\$9.23	\$9.23	\$9.23	\$9.23	\$9.23	\$9.23
Sewer Usage Revenue	\$82,225	\$130,350	\$178,476	\$178,476	\$178,476	\$178,476	\$178,476	\$178,476
Metered Water Usage (gallons)	0	0	0	0	0	0	0	0
Sewer Usage Rate (above 10,000 gal)	x \$4.89	\$10.62	\$10.62	\$10.62	\$10.62	\$10.62	\$10.62	\$10.62
Sewer Usage Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sub-Total Commodity Charges - Uninc.	\$82,225	\$130,350	\$178,476	\$178,476	\$178,476	\$178,476	\$178,476	\$178,476

Village of Bensenville, Illinois
2014 Water & Sewer Rate Study Update

Created by: CFB/JES
Updated: 3/27/2014

Capital Recovery

Metered Water Usage (gallons)	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000	520,653,000
Sewer Capital Recovery Rate	x \$2.41	\$3.49	\$3.49	\$3.49	\$3.49	\$3.49	\$3.49	\$3.49
Sewer Capital Recovery Revenue	\$1,254,774	\$1,535,926	\$1,817,079	\$1,817,079	\$1,817,079	\$1,817,079	\$1,817,079	\$1,817,079
Sub-Total Capital Recovery	\$1,254,774	\$1,535,926	\$1,817,079	\$1,817,079	\$1,817,079	\$1,817,079	\$1,817,079	\$1,817,079

Capital Recovery - Unincorporated

Uninc. Water Usage (gallons)	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000	19,347,000
Uninc. Sewer Usage	x \$2.41	\$5.24	\$5.24	\$5.24	\$5.24	\$5.24	\$5.24	\$5.24
Sewer Unic. Usage Revenue	\$46,626	\$73,954	\$101,282	\$101,282	\$101,282	\$101,282	\$101,282	\$101,282
Sub-Total Capital Recovery - Uninc	\$46,626	\$73,954	\$101,282	\$101,282	\$101,282	\$101,282	\$101,282	\$101,282
Total Sewer Revenue		\$5,215,217	\$6,207,209	\$6,207,209	\$6,207,209	\$6,207,209	\$6,207,209	\$6,207,209

PROJECTED FINANCIAL IMPACTS TO RATE PAYERS: SCENARIO 1

Water Monthly Bills	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Senior 5/8" Conn - 2,000 gallons with \$1.54 discount	\$15.96	\$17.57	\$19.32	\$21.23	\$23.32	\$25.60	\$28.11	\$30.85
Uninc 5/8" Conn - 6,000 gallons	\$67	\$79	\$86	\$94	\$102	\$112	\$122	\$133
		9.2%	9.1%	9.2%	9.2%	9.2%	9.2%	9.2%
5/8" Connection - 6,000 gallons	\$48	\$52	\$57	\$62	\$68	\$74	\$81	\$89
1" Connection - 9,000 gallons	\$76	\$83	\$91	\$99	\$108	\$118	\$129	\$141
1.5" Connection - 29,000 gallons	\$251	\$274	\$300	\$327	\$357	\$390	\$426	\$465
2" Connection - 43,000 gallons	\$24	\$29	\$29	\$29	\$29	\$29	\$0	\$0
3" Connection - 130,000 gallons	\$1,132	\$1,237	\$1,350	\$1,474	\$1,609	\$1,757	\$1,919	\$2,096
4" Connection - 225,000 gallons	\$1,963	\$2,144	\$2,340	\$2,555	\$2,790	\$3,046	\$3,326	\$3,634
6" Connection - 3,000 gallons	\$478	\$521	\$569	\$622	\$679	\$741	\$810	\$884

Sewer Monthly Bills	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Senior 5/8" Conn - 2,000 gallons with \$1.54 discount	\$16.31	\$17.95	\$19.75	\$21.71	\$23.85	\$26.18	\$28.73	\$31.50
Uninc 5/8" Conn - 6,000 gallons	\$44	\$73	\$80	\$87	\$95	\$104	\$113	\$123
		9%	9%	9%	9%	9%	9%	9%
5/8" Connection - 6,000 gallons	\$44	\$49	\$53	\$58	\$63	\$69	\$75	\$82
1" Connection - 9,000 gallons	\$75	\$82	\$89	\$98	\$107	\$116	\$127	\$139
1.5" Connection - 29,000 gallons	\$236	\$257	\$281	\$307	\$335	\$366	\$399	\$436
2" Connection - 43,000 gallons	\$356	\$389	\$424	\$463	\$506	\$553	\$603	\$658
3" Connection - 130,000 gallons	\$1,033	\$1,128	\$1,232	\$1,345	\$1,469	\$1,604	\$1,751	\$1,911
4" Connection - 225,000 gallons	\$1,787	\$1,951	\$2,130	\$2,326	\$2,541	\$2,774	\$3,029	\$3,306
6" Connection - 3,000 gallons	\$303	\$335	\$365	\$399	\$436	\$476	\$520	\$567

PROJECTED FINANCIAL IMPACTS TO RATE PAYERS: SCENARIO 1

Water and Sewer Monthly Bills	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Senior 5/8" Conn - 2,000 gallons	\$32	\$36	\$39	\$43	\$47	\$52	\$57	\$62
Uninc 5/8" Conn - 6,000 gallons	\$112	\$151	\$165	\$180	\$197	\$215	\$235	\$257
5/8" Connection - 6,000 gallons	\$92	\$101	\$110	\$120	\$131	\$143	\$157	\$171
1" Connection - 9,000 gallons	\$151	\$165	\$180	\$197	\$215	\$235	\$256	\$280
1.5" Connection - 29,000 gallons	\$487	\$532	\$580	\$634	\$692	\$756	\$825	\$901
2" Connection - 43,000 gallons	\$380	\$418	\$454	\$493	\$536	\$582	\$603	\$658
3" Connection - 130,000 gallons	\$2,166	\$2,365	\$2,582	\$2,819	\$3,079	\$3,361	\$3,670	\$4,007
4" Connection - 225,000 gallons	\$3,750	\$4,096	\$4,470	\$4,881	\$5,331	\$5,820	\$6,355	\$6,939
6" Connection - 3,000 gallons	\$780	\$856	\$935	\$1,021	\$1,115	\$1,217	\$1,329	\$1,452

PROJECTED FINANCIAL IMPACTS TO RATE PAYERS: SCENARIO 2

Water Monthly Bills	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Senior 5/8" Conn - 2,000 gallons with \$1.54 discount	\$15.96	\$18.58	\$20.08	\$21.71	\$23.46	\$25.34	\$27.36	\$29.54
Uninc 5/8" Conn - 6,000 gallons	\$67	\$83	\$89	\$96	\$103	\$110	\$119	\$128
5/8" Connection - 6,000 gallons	\$48	\$55	\$59	\$64	\$68	\$74	\$79	\$85
1" Connection - 9,000 gallons	\$76	\$88	\$94	\$101	\$109	\$117	\$126	\$135
1.5" Connection - 29,000 gallons	\$251	\$289	\$310	\$334	\$359	\$386	\$415	\$446
2" Connection - 43,000 gallons	\$24	\$29	\$29	\$29	\$29	\$29	\$0	\$0
3" Connection - 130,000 gallons	\$1,132	\$1,302	\$1,398	\$1,503	\$1,616	\$1,737	\$1,868	\$2,009
4" Connection - 225,000 gallons	\$1,963	\$2,256	\$2,424	\$2,606	\$2,802	\$3,012	\$3,238	\$3,482
6" Connection - 3,000 gallons	\$478	\$549	\$590	\$635	\$682	\$733	\$788	\$848

Sewer Monthly Bills	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Senior 5/8" Conn - 2,000 gallons with \$1.54 discount	\$16.31	\$18.99	\$20.54	\$22.18	\$23.95	\$25.88	\$27.94	\$30.16
Uninc 5/8" Conn - 6,000 gallons	\$44	\$77	\$83	\$89	\$95	\$103	\$110	\$119
5/8" Connection - 6,000 gallons	\$44	\$51	\$55	\$59	\$64	\$68	\$73	\$79
1" Connection - 9,000 gallons	\$75	\$86	\$93	\$100	\$107	\$115	\$124	\$133
1.5" Connection - 29,000 gallons	\$236	\$271	\$291	\$313	\$336	\$362	\$389	\$418
2" Connection - 43,000 gallons	\$356	\$409	\$440	\$473	\$508	\$546	\$587	\$631
3" Connection - 130,000 gallons	\$1,033	\$1,188	\$1,277	\$1,372	\$1,475	\$1,586	\$1,705	\$1,832
4" Connection - 225,000 gallons	\$1,787	\$2,054	\$2,209	\$2,373	\$2,551	\$2,743	\$2,948	\$3,169
6" Connection - 3,000 gallons	\$303	\$352	\$379	\$407	\$438	\$471	\$506	\$544

PROJECTED FINANCIAL IMPACTS TO RATE PAYERS: SCENARIO 2

Water and Sewer Monthly Bills	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Senior 5/8" Conn - 2,000 gallons	\$32	\$38	\$41	\$44	\$47	\$51	\$55	\$60
Uninc 5/8" Conn - 6,000 gallons	\$112	\$159	\$171	\$184	\$198	\$213	\$229	\$246
5/8" Connection - 6,000 gallons	\$92	\$106	\$114	\$123	\$132	\$142	\$153	\$164
1" Connection - 9,000 gallons	\$151	\$174	\$187	\$201	\$216	\$232	\$250	\$268
1.5" Connection - 29,000 gallons	\$487	\$560	\$602	\$647	\$695	\$747	\$803	\$864
2" Connection - 43,000 gallons	\$380	\$439	\$469	\$502	\$538	\$576	\$587	\$631
3" Connection - 130,000 gallons	\$2,166	\$2,489	\$2,675	\$2,875	\$3,091	\$3,323	\$3,572	\$3,841
4" Connection - 225,000 gallons	\$3,750	\$4,311	\$4,633	\$4,979	\$5,353	\$5,754	\$6,186	\$6,651
6" Connection - 3,000 gallons	\$780	\$902	\$969	\$1,042	\$1,120	\$1,204	\$1,294	\$1,392

PROJECTED FINANCIAL IMPACTS TO RATE PAYERS: SCENARIO 3

Water Monthly Bills	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Senior 5/8" Conn - 2,000 gallons with \$1.54 discount	\$15.96	\$23.78	\$23.78	\$23.78	\$23.78	\$23.78	\$23.78	\$23.78
Uninc 5/8" Conn - 6,000 gallons	\$67	\$104						
44.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
5/8" Connection - 6,000 gallons	\$48	\$69						
1" Connection - 9,000 gallons	\$76	\$110	\$110	\$110	\$110	\$110	\$110	\$110
1.5" Connection - 29,000 gallons	\$251	\$364	\$364	\$364	\$364	\$364	\$364	\$364
2" Connection - 43,000 gallons	\$24	\$29	\$29	\$29	\$29	\$29	\$0	\$0
3" Connection - 130,000 gallons	\$1,132	\$1,639	\$1,639	\$1,639	\$1,639	\$1,639	\$1,639	\$1,639
4" Connection - 225,000 gallons	\$1,963	\$2,841	\$2,841	\$2,841	\$2,841	\$2,841	\$2,841	\$2,841
6" Connection - 3,000 gallons	\$478	\$691	\$691	\$691	\$691	\$691	\$691	\$691

Sewer Monthly Bills	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Senior 5/8" Conn - 2,000 gallons with \$1.54 discount	\$16.31	\$24.29	\$24.29	\$24.29	\$24.29	\$24.29	\$24.29	\$24.29
Uninc 5/8" Conn - 6,000 gallons	\$44	\$97						
45%	0%	0%	0%	0%	0%	0%	0%	0%
5/8" Connection - 6,000 gallons	\$44	\$64						
1" Connection - 9,000 gallons	\$75	\$109	\$109	\$109	\$109	\$109	\$109	\$109
1.5" Connection - 29,000 gallons	\$236	\$341	\$341	\$341	\$341	\$341	\$341	\$341
2" Connection - 43,000 gallons	\$356	\$515	\$515	\$515	\$515	\$515	\$515	\$515
3" Connection - 130,000 gallons	\$1,033	\$1,496	\$1,496	\$1,496	\$1,496	\$1,496	\$1,496	\$1,496
4" Connection - 225,000 gallons	\$1,787	\$2,588	\$2,588	\$2,588	\$2,588	\$2,588	\$2,588	\$2,588
6" Connection - 3,000 gallons	\$303	\$444	\$444	\$444	\$444	\$444	\$444	\$444

PROJECTED FINANCIAL IMPACTS TO RATE PAYERS: SCENARIO 3

Water and Sewer Monthly Bills	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Senior 5/8" Conn - 2,000 gallons	\$32	\$48	\$48	\$48	\$48	\$48	\$48	\$48
Uninc 5/8" Conn - 6,000 gallons	\$112	\$201	\$201	\$201	\$201	\$201	\$201	\$201
5/8" Connection - 6,000 gallons	\$92	\$134	\$134	\$134	\$134	\$134	\$134	\$134
1" Connection - 9,000 gallons	\$151	\$219	\$219	\$219	\$219	\$219	\$219	\$219
1.5" Connection - 29,000 gallons	\$487	\$705	\$705	\$705	\$705	\$705	\$705	\$705
2" Connection - 43,000 gallons	\$380	\$545	\$545	\$545	\$545	\$545	\$515	\$515
3" Connection - 130,000 gallons	\$2,166	\$3,135	\$3,135	\$3,135	\$3,135	\$3,135	\$3,135	\$3,135
4" Connection - 225,000 gallons	\$3,750	\$5,429	\$5,429	\$5,429	\$5,429	\$5,429	\$5,429	\$5,429
6" Connection - 3,000 gallons	\$780	\$1,134	\$1,134	\$1,134	\$1,134	\$1,134	\$1,134	\$1,134

**VILLAGE OF BENSENVILLE
12 S. CENTER STREET
BENSENVILLE, ILLINOIS 60106**

Ordinance No. 35-2014

**An Ordinance Amending Ordinance No. 30-2014, Adopted June 24, 2014 Amending the
Municipal Water/Sewer Rates of the Village of Bensenville, Counties of Cook and DuPage,
Illinois to Correct a Scrivener's Error**

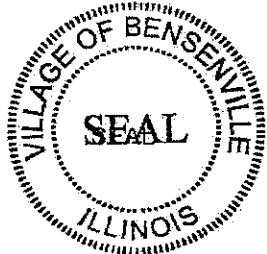
**ADOPTED BY THE
VILLAGE BOARD OF TRUSTEES
OF THE
VILLAGE OF BENSENVILLE
THIS 12th DAY OF AUGUST, 2014**

Published in pamphlet form by authority of the President and Board of Trustees of the
Village of Bensenville, DuPage and Cook Counties, Illinois this 13th day of August 2014

STATE OF ILLINOIS)
COUNTIES OF COOK)
SS AND DUPAGE)

I, Corey Williamsen, do hereby certify that I am the duly appointed Deputy Village Clerk of the Village of Bensenville, DuPage and Cook Counties, Illinois, and as such officer, I am the keeper of the records and files of said Village; I do further certify that the foregoing constitutes a full, true and correct copy of Ordinance No. 35-2014 entitled an ordinance amending ordinance no. 30-2014, adopted June 24, 2014 amending the municipal water/sewer rates of the Village of Bensenville, Counties of Cook and DuPage, Illinois to correct a scrivener's error.

IN WITNESS WHEREOF, I have hereunto affixed my official hand and seal on this
13th day of August, 2014.





Corey Williamsen
Deputy Village Clerk

ORDINANCE # 35-2014

AN ORDINANCE AMENDING ORDINANCE NO. 30-2014, ADOPTED JUNE 24,
2014 AMENDING THE MUNICIPAL WATER/SEWER RATES OF THE
VILLAGE OF BENSENVILLE, COUNTIES OF COOK AND DUPAGE, ILLINOIS
TO CORRECT A SCRIVENER'S ERROR

WHEREAS, pursuant to the Illinois Municipal Code, 65 ILCS 5/1-1-1, *et seq.*, the Village of Bensenville (the "Village") owns and operates sewerage and waterworks facilities (the "System") within and outside the municipal boundaries of the Village; and

WHEREAS, the Illinois Municipal Code at Division 139 grants the Village the authority to charge its inhabitants a reasonable compensation for the use and service of the System and to establish rates for that purpose; and

WHEREAS, the Village has carefully considered the findings and recommendations of the Baxter & Woodman, Inc. 2014 Village of Bensenville Water & Sewer Rate Study, (the "Baxter & Woodman Study");

WHEREAS, the Village has carefully considered its own experience in operating and maintaining the System and the revenues and expenses associated therewith, together with the current condition of the System,

BE IT AND IT IS HEREBY ORDAINED by the President and Board of Trustees of the Village of Bensenville, Counties of DuPage and Cook, Illinois, as follows:

SECTION ONE: AMENDMENT OF RATES. For the purpose of establishing the rates hereinafter set forth, the Village's Corporate Authorities hereby adopt the findings and recommendations contained in the Baxter & Woodman Study heretofore incorporated herein as Exhibit "A" for the use of, and for the service supplied by, the waterworks system of the Village and the same are hereby amended, in part, as provided for herein. Annually, the Finance Director shall evaluate the system revenues, expenses and fund balance against projections. The Director shall issue a report of findings to the Village Board at least one month prior to the scheduled annual rate increase at which time the Board can determine whether the scheduled annual rate increase needs to be revised.

SECTION TWO: In accordance with the provisions hereof, Section 8-7-7 of the Bensenville Village Code, as amended, as follows

A. WATER RATES WITHIN CORPORATE LIMITS

1. 2014 Water Commodity Charges (effective July 1, 2014):

a. First 10,000 gallons per month	\$6.19 per 1,000 gallons
b. Above 10,000 gallons per month	\$7.12 per 1,000 gallons

2. Monthly Fixed Charges:

a. 5/8 inch and 3/4 inch meter size	
Fixed charge	\$2.62
b. 1-inch meter size	
Fixed charge	\$8.81
c. 1-1/2 inch meter size	
Fixed charge	\$17.43
d. 2-inch meter size	
Fixed charge	\$27.95
e. 3-inch meter size	
Fixed charge	\$52.50
f. 4-inch meter size	
Fixed charge	\$87.56
g. 6-inch meter size	
Fixed charge	\$174.95

Senior Citizen Residential Accounts (over age 65):

h. Fixed charge	\$2.62
Deduction from Total Bill	\$1.54

3. Future Water Rates:

a. Water rates for customers within the corporate limits will be further revised once per year according to the following schedule.

Item	As of January 1, 2015	As of January 1, 2016	As of January 1, 2017	As of January 1, 2018	As of January 1, 2019	As of January 1, 2020
Water Commodity Charge, First 10,000 gallons per month, per 1,000 gallons	\$6.65	\$7.15	\$7.69	\$8.27	\$8.89	\$9.56
Water Commodity Charge, Above 10,000 gallons, per 1,000 gallons	\$7.65	\$8.22	\$8.84	\$9.5	\$10.21	\$10.98
Monthly Fixed Charges (per Meter Size)						
5/8 inch and 3/4 inch	\$2.82	\$3.03	\$3.26	\$3.50	\$3.76	\$4.04
1 inch meter	\$9.47	\$10.18	\$10.94	\$11.76	\$12.64	\$13.59
1 1/2 inch meter	\$18.74	\$20.15	\$21.66	\$23.28	\$25.03	\$26.91

2 inch meter	\$30.05	\$32.30	\$34.72	\$37.32	\$40.12	\$43.13
3 inch meter	\$56.44	\$60.67	\$65.22	\$70.11	\$75.37	\$81.02
4 inch meter	\$94.13	\$101.19	\$108.78	\$116.94	\$125.71	\$135.14
6 inch meter	\$188.07	\$202.18	\$217.34	\$233.64	\$251.16	\$270.00
Senior Citizen Fixed Charge Deduction	(\$1.54)	(\$1.54)	(\$1.54)	(\$1.54)	(\$1.54)	(\$1.54)

B. WATER RATES OUTSIDE CORPORATE LIMITS (RESIDENTIAL)

1. 2014 Water Commodity / Monthly Fixed Charges (effective July 1, 2014 – December 31) established at 100% of Corporate Limit Rates:

2. 2015 Water Commodity Charges (effective January 1, 2015) established at 150% of Corporate Limit Rates:

- a. First 10,000 gallons per month \$9.98 per 1,000 gallons
- b. Above 10,000 gallons per month \$11.48 per 1,000 gallons

3. Monthly Fixed Charges (effective January 1, 2015) established at 150% of Corporate Limit Monthly Fixed Charges:

- a. 5/8 inch and 3/4 inch meter size
Fixed charge \$4.23
- b. 1-inch meter size
Fixed charge \$14.21
- c. 1-1/2 inch meter size
Fixed charge \$28.11
- d. 2-inch meter size
Fixed charge \$45.08
- e. 3-inch meter size
Fixed charge \$84.66
- f. 4-inch meter size
Fixed charge \$141.20
- g. 6-inch meter size
Fixed charge \$282.11

4. Future Water Rates:

a. Water rates for residential customers outside the corporate limits will be further revised once per year according to the following schedule.

Item	As of January 1, 2015	As of January 1, 2016	As of January 1, 2017	As of January 1, 2018	As of January 1, 2019	As of January 1, 2020
Water Commodity Charge, First 10,000 gallons per month, per 1,000 gallons	\$9.98	\$10.73	\$11.54	\$12.41	\$13.34	\$14.34
Water Commodity Charge, Above 10,000 gallons, per 1,000 gallons	\$11.48	\$12.33	\$13.26	\$14.25	\$15.31	\$16.47
Monthly Fixed Charges (per Meter Size)						
5/8 inch and 3/4 inch	\$4.23	\$4.55	\$4.89	\$5.25	\$5.64	\$6.06
1 inch meter	\$14.21	\$15.27	\$16.41	\$17.64	\$18.96	\$20.39
1 1/2 inch meter	\$28.11	\$30.23	\$32.49	\$34.92	\$37.55	\$40.37
2 inch meter	\$45.08	\$48.45	\$52.08	\$55.98	\$60.18	\$64.70
3 inch meter	\$84.66	\$91.01	\$97.83	\$105.17	\$113.06	\$121.53
4 inch meter	\$141.20	\$151.79	\$163.17	\$175.41	\$188.57	\$202.71
6 inch meter	\$282.11	\$303.27	\$326.01	\$350.46	\$376.74	\$405.00

C. WATER RATES OUTSIDE CORPORATE LIMITS (NON-RESIDENTIAL)

1. Same as established in SECTION TWO.B. above.

CAPITAL RECOVERY CHARGES WITHIN CORPORATE LIMITS

- I. 2014 Capital Recovery Charges (effective July 1, 2014 within the Corporate Limits (regardless of usage volume):

- a. Water capital recovery charge \$2.56 per 1,000 gallons
- b. Wastewater capital recovery charge \$2.77 per 1,000 gallons

2. Non-metered Accounts:

a.	Flat rate per month - 9,000 gallons minimum	
1.	Water Capital Recovery	\$23.04
2.	Wastewater capital recovery	\$24.93
3.	Total Capital Recovery Rate per month	\$47.97

3. Future Capital Recovery Charges:

a. Capital recovery charges for customers within the corporate limits will be further revised once per year according to the following schedule.

Item	As of January 1, 2015	As of January 1, 2016	As of January 1, 2017	As of January 1, 2018	As of January 1, 2019	As of January 1, 2020
Water Capital Recovery Charge, Per 1,000 gallons	\$2.75	\$2.96	\$3.18	\$3.42	\$3.68	\$3.96
Wastewater Recovery Charge, Per 1,000 gallons	\$2.98	\$3.20	\$3.44	\$3.70	\$3.98	\$4.28

D. CAPITAL RECOVERY CHARGES OUTSIDE CORPORATE LIMITS

1. 2014 Fixed Capital Recovery (effective July 1, 2014 – December 31, 2014) outside the Corporate Limits (regardless of usage volume) charge of \$19.39 (\$32.48 for 1" meters) per month.
2. 2015 Capital Recovery Charges (January 1, 2015 outside the Corporate Limits (regardless of usage volume) established at 150% of Corporate Capital Recovery Charges;

- a. Water Capital Recovery Charge \$3.84 per 1,000 gallons
- b. Wastewater Capital Recovery Charge \$4.16 per 1,000 gallons

3. Non-metered Accounts:

- a. Flat rate per month – 9,000 gallons minimum

1. Water Capital Recovery	\$34.56
2. <u>Wastewater capital recovery</u>	\$37.40
Total Capital Recovery Rate per month	\$71.96

3. Future Capital Recovery Charges:

a. Capital recovery charges for customers within the corporate limits will be further revised once per year according to the following schedule:

Item	As of January 1, 2015	As of January 1, 2016	As of January 1, 2017	As of January 1, 2018	As of January 1, 2019	As of January 1, 2020
Water Capital Recovery Charge, Per 1,000 gallons	\$3.84	\$4.13	\$4.44	\$4.77	\$5.13	\$5.52
Wastewater Recovery Charge, Per 1,000 gallons	\$4.47	\$4.80	\$5.16	\$5.55	\$5.97	\$6.42

SECTION THREE: In accordance with the provisions hereof, Section 8-6-23-4 of the Bensenville Village Code is hereby amended follows:

A. SEWER/WASTEWATER RATES WITHIN THE CORPORATE LIMITS:

1. 2014 Wastewater Commodity Charges (effective July 1, 2014):
 - a. First 10,000 gallons per month \$4.89 per 1,000 gallons
 - b. Above 10,000 gallons per month \$5.62 per 1,000 gallons
2. Monthly Fixed Bills per month:
 - a. 5/8 inch and 3/4 inch meter size
Fixed charge \$5.21
 - b. 1-inch meter size
Fixed charge \$17.32
 - c. 1-1/2 inch meter size
Fixed charge \$34.87
 - d. 2-inch meter size
Fixed charge \$55.73
 - e. 3-inch meter size
Fixed charge \$104.36
 - f. 4-inch meter size
Fixed charge \$173.87
 - g. 6-inch meter size
Fixed charge \$347.99

3. Non-metered Accounts:

a. Flat rate per month	
1. Fixed charge	\$5.21
2. 9,000 gallons	\$44.01
Total flat rate per month	\$49.22

4. Future Wastewater Rates:

a. Wastewater rates for customers within the corporate limits will be further revised once per year according to the following schedule:

Item	As of January 1, 2015	As of January 1, 2016	As of January 1, 2017	As of January 1, 2018	As of January 1, 2019	As of January 1, 2020
Wastewater Commodity Charge, First 10,000 gallons per month, per 1,000 gallons	\$5.26	\$5.65	\$6.07	\$6.53	\$7.02	\$7.55
Wastewater Commodity Charge, Above 10,000 gallons, per 1,000 gallons	\$6.04	\$6.49	\$6.98	\$7.50	\$8.06	\$8.66
Monthly Fixed Charges (per Meter Size)						
5/8 inch and 3/4 inch	\$5.60	\$6.02	\$6.47	\$6.96	\$7.48	\$8.04
1 inch meter	\$18.62	\$20.02	\$21.52	\$23.13	\$24.86	\$26.72
1 1/2 inch meter	\$37.49	\$40.30	\$43.32	\$46.57	\$50.06	\$53.81
2 inch meter	\$59.91	\$64.40	\$69.23	\$74.42	\$80.00	\$86.00
3 inch meter	\$112.19	\$120.60	\$129.65	\$139.37	\$149.82	\$161.06
4 inch meter	\$186.91	\$200.93	\$216.00	\$232.20	\$249.62	\$268.34
6 inch meter	\$374.09	\$402.15	\$432.31	\$464.73	\$499.58	\$537.05

B. SEWER/WASTEWATER RATES OUTSIDE THE CORPORATE LIMITS:

1. 2014 Wastewater Commodity / Monthly Fixed Charges (effective July 1, 2014 – December 31) established at 100% of Corporate Limit Rates:
2. 2015 Wastewater Commodity Charges (January 1, 2015) established at 150% of the Corporate Rates:
 - a. First 10,000 gallons per month \$7.34 per 1,000 gallons
 - b. Above 10,000 gallons per month \$8.43 per 1,000 gallons
3. Monthly Fixed Bills per month:

a.	5/8 inch and 3/4 inch meter size Fixed charge	\$7.82
b.	1-inch meter size Fixed charge	\$25.98
c.	1-1/2 inch meter size Fixed charge	\$52.31
d.	2-inch meter size Fixed charge	\$83.60
e.	3-inch meter size Fixed charge	\$156.54
f.	4-inch meter size Fixed charge	\$260.81
g.	6-inch meter size Fixed charge	\$521.99
4.	Non-metered Accounts:	
b.	Flat rate per month	
1.	Fixed charge	\$7.82
2.	9,000 gallons	\$66.02
	Total flat rate per month	\$73.84

5. Future Wastewater Rates:

b. Wastewater rates for customers outside the corporate limits will be further revised once per year according to the following schedule.

Item	As of January 1, 2015	As of January 1, 2016	As of January 1, 2017	As of January 1, 2018	As of January 1, 2019	As of January 1, 2020
Wastewater Commodity Charge, First 10,000 gallons per month, per 1,000 gallons	\$7.89	\$8.48	\$9.11	\$9.80	\$10.53	\$11.33
Wastewater Commodity Charge, Above 10,000 gallons, per 1,000 gallons	\$9.06	\$9.74	\$10.47	\$11.25	\$12.09	\$12.99
Monthly Fixed Charges (per Meter Size)						
5/8 inch and 3/4 inch	\$8.40	\$9.03	\$9.71	\$10.44	\$11.22	\$12.06
1 inch meter	\$27.93	\$30.03	\$32.28	\$34.70	\$37.29	\$40.08
1 1/2 inch meter	\$56.24	\$60.45	\$64.98	\$69.86	\$75.09	\$80.72

2 inch meter	\$89.87	\$96.60	\$103.85	\$111.63	\$120.00	\$129.00
3 inch meter	\$168.29	\$180.90	\$194.48	\$209.06	\$224.73	\$241.59
4 inch meter	\$280.37	\$301.40	\$324.00	\$348.30	\$374.43	\$402.51
6 inch meter	\$561.14	\$603.23	\$648.47	\$697.10	\$749.37	\$805.58

C. SEWER/WASTEWATER RATES OUTSIDE CORPORATE LIMITS (NON-RESIDENTIAL)

1. Same as established in SECTION THREE.B. above.

SECTION FOUR: All ordinances in conflict herewith are repealed to the extent of said conflict. This Ordinance is in full force and effect after passage and publication according to law and the rates and charges contained herein shall apply to all bills issued on or after AUGUST 1, 2014.

PASSED AND APPROVED by the President and Board of Trustees at the Village of Bensenville, this 12TH day of AUGUST, 2014.



Frank Soto
Village President

ATTEST:



Ilsa Rivera-Trujillo
Village Clerk

AYES: BARTLETT, JANOWIAK, JARECKI, RIDDER
 NAYS: WESSELER
 ABSENT: O'CONNELL
 Published in Pamphlet Form AUGUST 13, 2014

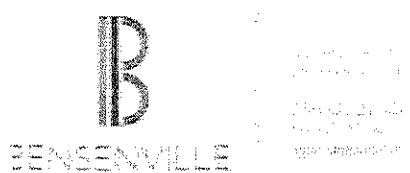
STATE OF ILLINOIS	UNITED STATES OF AMERICA	COUNTY OF DU PAGE
IN THE CIRCUIT COURT OF THE EIGHTEENTH JUDICIAL CIRCUIT		
Gina Mellenthin, Kurt Igleman, Celeste Shaw, et al + Plaintiff, v. Village of Bensenville Defendant,		Chris Kachiroubas e-filed in the 18th Judicial Circuit Court DuPage County ENVELOPE: 6399572 2018CH001065 FILEDATE: 8/30/2019 12:31 PM Date Submitted: 8/30/2019 12:31 PM Date Accepted: 8/30/2019 2:04 PM MP File Stamp Here

EXHIBIT COVER SHEET

Local Court Rules 5.06 and 5.09

EXHIBIT NAME: Exhibit D**TITLE OF DOCUMENT THIS EXHIBIT BELONGS WITH:**Amended Complaint**Document File Date:** August 30, 2019*(The file date of the document this exhibit belongs with)***EXHIBIT FILED ON BEHALF OF:** Gina Mellenthin, Kurt Igleman, Celeste Shaw, and Phil Adcock*(Case Party Name)*Submitted by: Keith H. WerwasName: Matton and Werwas, P.C. Pro SeDuPage Attorney Number: 328992Attorney for: PlaintiffsAddress: 134 N. LaSalle Street, Suite 1040City/State/Zip: Chicago, IL 60602Telephone Number: 312-236-6800Email: kwerwas@mattonandwerwas.com

EXHIBIT D



August 8, 2019

From:

City Clerk
Bensenville

To: *Electronic mail*

Ms. Gina Mellenthin
Ginawpeut@gmail.com

Re: Freedom of Information Act request
Received August 8, 2019

City Clerk

City Clerk's Office
Bensenville

Dear Ms. Mellenthin:

Thank you for writing to the Village of Bensenville ("Village") with your request for information pursuant to the Freedom of Information Act (FOIA), 5 ILCS 140/1 *et seq.* Your FOIA request provides as follows:

I [am] asking what [is] the basis of your water rate [for the unincorporated area [from 1986 till 2019 we are asking how they came about the extra charge over and above the water [b]ill.

The Village does not have an existing public record reflecting the answer to your question and is not obligated to create a public record to answer questions posed by FOIA requesters. See Kenyon v. Garrels, 184 Ill. App. 3d 28, 33 (4th Dist. 1989).

Very truly yours,


Corey Williamsen
Freedom of Information Officer
Village of Bensenville

STATE OF ILLINOIS	UNITED STATES OF AMERICA	COUNTY OF DU PAGE
IN THE CIRCUIT COURT OF THE EIGHTEENTH JUDICIAL CIRCUIT		
Gina Mellenthin, Kurt Igleman, Celeste Shaw, et al + Plaintiff, v. Village of Bensenville Defendant,	18 CH 001065 Case Number	Chris Kachiroubas e-filed in the 18th Judicial Circuit Court DuPage County ENVELOPE: 6399572 2018CH001065 FILEDATE: 8/30/2019 12:31 PM Date Submitted: 8/30/2019 12:31 PM Date Accepted: 8/30/2019 2:04 PM MP File Stamp Here

EXHIBIT COVER SHEET

Local Court Rules 5.06 and 5.09

EXHIBIT NAME: Group Exhibit E

TITLE OF DOCUMENT THIS EXHIBIT BELONGS WITH:

Amended Complaint

Document File Date: August 30, 2019

(The file date of the document this exhibit belongs with)

EXHIBIT FILED ON BEHALF OF: Gina Mellenthin, Kurt Igleman, Celeste Shaw, and Phil Adcock

(Case Party Name)

Submitted by: Keith H. Werwas

Name: Matton and Werwas, P.C. Pro Se

DuPage Attorney Number: 328992

Attorney for: Plaintiffs

Address: 134 N. LaSalle Street, Suite 1040

City/State/Zip: Chicago, IL 60602

Telephone Number: 312-236-6800

Email: kwerwas@mattonandwerwas.com

GROUP EXHIBIT E

VILLAGE OF BENSENVILLE, ILLINOIS

Nonmajor Governmental Funds

Combining Balance Sheet

December 31, 2015

	Special Revenue		
	Unincorporated Utility	Capital Projects	Totals
ASSETS			
Cash and Investments	\$ 968,723	3,844,180	4,812,903
Receivables - Net of Allowances			
Property Taxes		297,064	297,064
Accounts	<u>9,657</u>	<u>70,000</u>	<u>79,657</u>
Total Assets	<u>978,380</u>	<u>4,211,244</u>	<u>5,189,624</u>
LIABILITIES			
Accounts Payable	2,033	108,409	110,442
Accrued Interest	-	8,624	8,624
Due to Other Funds	-	11,354	11,354
Advances from Other Funds	-	1,488,982	1,488,982
Other Payables	-	89,881	89,881
Total Liabilities	2,033	1,707,250	1,709,283
DEFERRED INFLOWS OF RESOURCES			
Property Taxes	-	289,773	289,773
Total Liabilities and Deferred Inflows of Resources	2,033	1,997,023	1,999,056
FUND BALANCES			
Restricted	-	2,182,903	2,182,903
Committed	<u>976,347</u>		<u>976,347</u>
Assigned	-	772,844	772,844
Unassigned	-	(741,531)	(741,531)
Total Fund Balances	<u>976,347</u>	<u>2,214,221</u>	<u>3,190,568</u>
Total Liabilities, Deferred Inflows of Resources and Fund Balances	<u>978,380</u>	<u>4,211,244</u>	<u>5,189,624</u>

VILLAGE OF BENSENVILLE, ILLINOIS

Nonmajor Governmental Funds

Combining Balance Sheet

December 31, 2014

	Special Revenue		
	Unincorporated Utility	Capital Projects	Totals
ASSETS			
Cash and Investments	\$ 1,041,374	4,218,527	5,259,901
Receivables - Net of Allowances			
Property Taxes	-	410,045	410,045
Accounts	4,204	35,000	39,204
Prepays	-	37,063	37,063
Total Assets	1,045,578	4,700,635	5,746,213
LIABILITIES			
Accounts Payable	7,032	93,815	100,847
Advances from Other Funds	-	1,500,584	1,500,584
Other Payables	-	54,882	54,882
Total Liabilities	7,032	1,649,281	1,656,313
DEFERRED INFLOWS OF RESOURCES			
Property Taxes	-	410,045	410,045
Total Liabilities and Deferred Infloows of Resources	7,032	2,059,326	2,066,358
FUND BALANCES			
Nonspendable	-	37,063	37,063
Restricted	-	2,360,964	2,360,964
Committed	1,038,546	-	1,038,546
Assigned	-	1,042,530	1,042,530
Unassigned	-	(799,248)	(799,248)
Total Fund Balances	1,038,546	2,641,309	3,679,855
Total Liabilities, Deferred Infloows of Resources and Fund Balances	1,045,578	4,700,635	5,746,213

VILLAGE OF BENSENVILLE, ILLINOIS

Nonmajor Governmental Funds

Combining Balance Sheet
December 31, 2015

	Special Revenue		
	Unincorporated Utility	Capital Projects	Totals
ASSETS			
Cash and Investments	\$ 1,025,077	4,481,596	5,506,673
Receivables - Net of Allowances			
Property Taxes	-	320,729	320,729
Accounts	745	34,995	35,740
Total Assets	1,025,822	4,837,320	5,863,142
LIABILITIES			
Accounts Payable	26,824	238,412	265,236
Advances from Other Funds	-	1,500,584	1,500,584
Other Payables	-	19,887	19,887
Total Liabilities	26,824	1,758,883	1,785,707
DEFERRED INFLOWS OF RESOURCES			
Property Taxes	-	319,957	319,957
Total Liabilities and Deferred Inflows of Resources	26,824	2,078,840	2,105,664
FUND BALANCES			
Restricted	-	2,493,820	2,493,820
Committed	998,998	-	998,998
Assigned	-	1,046,364	1,046,364
Unassigned	-	(781,704)	(781,704)
Total Fund Balances	998,998	2,758,480	3,757,478
Total Liabilities, Deferred Inflows of Resources and Fund Balances	1,025,822	4,837,320	5,863,142

VILLAGE OF BENSENVILLE, ILLINOIS

Nonmajor Governmental Funds

Combining Statement of Revenues, Expenditures and Changes in Fund Balances
For the Fiscal Year Ended December 31, 2015

		Special Revenue		
		Unincorporated Utility	Capital Projects	Totals
Revenues				
Taxes	\$ -	1,279,628		1,279,628
Charges for Services	6,579	-		6,579
Interest	-	6,393		6,393
Miscellaneous	-	35,000		35,000
Total Revenues	<u>6,579</u>	<u>1,321,021</u>		<u>1,327,600</u>
Expenditures				
Public Works	46,127	-		46,127
Community Development	-	331,091		331,091
Debt Service				
Principal Retirement	-	822,765		822,765
Interest and Fiscal Charges	-	550,084		550,084
Total Expenditures	<u>46,127</u>	<u>1,703,940</u>		<u>1,750,067</u>
Excess (Deficiency) of Revenues Over (Under) Expenditures	(39,548)	(382,919)		(422,467)
Other Financing Sources				
Transfers In	-	500,090		500,090
Net Change in Fund Balances	(39,548)	117,171		77,623
Fund Balances - Beginning	<u>1,038,546</u>	<u>2,641,309</u>		<u>3,679,855</u>
Fund Balances - Ending	<u>998,998</u>	<u>2,758,480</u>		<u>3,757,478</u>

VILLAGE OF BENSENVILLE, ILLINOIS

Nonmajor Governmental Funds

Combining Balance Sheet
December 31, 2016

	Special Revenue		
	Unincorporated Utility	Capital Projects	Totals
ASSETS			
Cash and Investments	\$ 919,941	4,668,660	5,588,601
Receivables - Net of Allowances			
Property Taxes	-	303,659	303,659
Accounts	431	34,995	35,426
Total Assets	920,372	5,007,314	5,927,686
LIABILITIES			
Accounts Payable	-	172,959	172,959
Advances from Other Funds	-	1,500,584	1,500,584
Other Payables	-	19,877	19,877
Total Liabilities	-	1,693,420	1,693,420
DEFERRED INFLOWS OF RESOURCES			
Property Taxes	-	303,659	303,659
Total Liabilities and Deferred Inflows of Resources	-	1,997,079	1,997,079
FUND BALANCES			
Restricted	-	2,650,423	2,650,423
Committed	920,372	-	920,372
Assigned	-	1,136,526	1,136,526
Unassigned	-	(776,714)	(776,714)
Total Fund Balances	920,372	3,010,235	3,930,607
Total Liabilities, Deferred Inflows of Resources and Fund Balances	920,372	5,007,314	5,927,686

VILLAGE OF BENSENVILLE, ILLINOIS

Nonmajor Governmental Funds

Combining Statement of Revenues, Expenditures and Changes in Fund Balances
For the Fiscal Year Ended December 31, 2016

		Special Revenue		
		Unincorporated Utility	Capital Projects	Totals
Revenues				
Taxes	\$ -	1,343,502		1,343,502
Interest		20,037		20,037
Total Revenues		1,363,539		1,363,539
Expenditures				
Public Works	78,626			78,626
Community Development		773,742		773,742
Debt Service				
Principal Retirement		909,177		909,177
Interest and Fiscal Charges		570,477		570,477
Total Expenditures	78,626	2,253,396		2,332,022
Excess (Deficiency) of Revenues Over (Under) Expenditures	(78,626)	(889,857)		(968,483)
Other Financing Sources				
Debt Issuance		570,612		570,612
Transfers In		571,000		571,000
		1,141,612		1,141,612
Net Change in Fund Balances	(78,626)	251,755		173,129
Fund Balances - Beginning	998,998	2,758,480		3,757,478
Fund Balances - Ending	920,372	3,010,235		3,930,607

VILLAGE OF BENSENVILLE, ILLINOIS
NONMAJOR GOVERNMENTAL FUNDS
COMBINING BALANCE SHEET
DECEMBER 31, 2017

	Special Revenue			Totals
	Unincorporated Utility	Capital Projects		
Assets				
Cash and investments	\$ 911,917	\$ 8,727,458	\$ 9,639,375	
Receivables - net of allowances				
Property taxes	164	194,384	194,548	
Accounts		45,883	45,883	
Total assets	<u>912,081</u>	<u>8,967,725</u>	<u>9,879,806</u>	
Liabilities				
Accounts payable		292,485	292,485	
Advances from other funds		2,763,397	2,763,397	
Other payables		19,922	19,922	
Total liabilities		<u>3,075,804</u>	<u>3,075,804</u>	
Deferred inflows of Resources				
Property taxes		194,379	194,379	
Total liabilities and deferred inflows of resources		<u>3,270,183</u>	<u>3,270,183</u>	
Fund Balances				
Restricted		5,906,825	5,906,825	
Committed	912,081			912,081
Assigned		1,016,190	1,016,190	
Unassigned		(1,225,473)	(1,225,473)	
Total fund balances	<u>912,081</u>	<u>5,697,542</u>	<u>5,609,623</u>	
Total liabilities, deferred inflows of resources and fund balances	<u>\$ 912,081</u>	<u>\$ 8,967,725</u>	<u>\$ 9,879,806</u>	

VILLAGE OF BENSENVILLE, ILLINOIS
NONMAJOR GOVERNMENTAL FUNDS
COMBINING STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES
FOR THE YEAR ENDED DECEMBER 31, 2017

	Special Revenue			Totals
	Unincorporated Utility	Capital Projects		
Revenue				
Taxes	\$ -	\$ 2,884,289	\$ 2,884,289	
Interest	-	87,334	87,334	
Total revenues	-	2,971,623	2,971,623	
Expenditures				
Public works	8,291	-	8,291	
Community development	-	685,251	685,251	
Debt services				
Principal retirement	-	1,231,428	1,231,428	
Interest and fiscal charges	-	1,737,438	1,737,438	
Total expenditures	8,291	3,654,117	3,662,408	
Excess (Deficiency) of Revenues Over (Under) Expenditures	(8,291)	(682,494)	(690,785)	
Other Financing Sources (Uses)				
Debt issuance	-	9,945,000	9,945,000	
Bond discount	-	(67,129)	(67,129)	
Payment to escrow agent	-	(9,787,091)	(9,787,091)	
Transfers in	-	350,000	350,000	
Transfers out	-	(190,000)	(190,000)	
Total other financing sources (uses)	-	250,780	250,780	
Net Change in Fund Balances	(8,291)	(431,714)	(440,005)	
Fund Balances - Beginning	920,372	6,129,256	7,049,628	
Fund Balances - Ending	\$ 912,081	\$ 5,697,542	\$ 6,609,623	