VILLAGE OF DOWNERS GROVE REPORT FOR THE VILLAGE COUNCIL MEETING SEPTEMBER 21, 2010 AGENDA

SUBJECT:	TYPE:	SUBMITTED BY:
	Resolution	
	Ordinance	
	Motion	Nan Newlon, P.E.
Water Rate Study Presentation #3	✓ Discussion Only	Director of Public Works

SYNOPSIS

Discussion is requested regarding the preliminary water rate study report that has been prepared by Municipal and Financial Services Group (M&FSG). Representatives of M&FSG will present information and recommendations.

STRATEGIC PLAN ALIGNMENT

The Five Year Plan and Goals include *Exceptional Communication and Services*. A supporting objective of this statement is *Steward of Financial Sustainability*.

FISCAL IMPACT

N/A

RECOMMENDATION

N/A

BACKGROUND

On April 13, 2010 the Village Council authorized award of a contract with M&FSG to complete a water rate study. The goal of the study is to review current and future water rates to ensure adequate funding is available for current operations and maintenance as well as for identified capital maintenance and improvement projects into the future. The objectives of this project include the following:

- 1. Propose water rates that:
 - Are fair, objective and ensure that water service is provided on a self-supporting basis
 - Fund capital projects as identified and approved
 - Encourage water conservation, and
 - Take into consideration potential DuPage Water Commission rate increases
- 2. Review and update miscellaneous water-related fees.
- 3. Recommend a prudent reserve policy for operations, capital replacement and emergencies.

In July the Village Council heard a presentation by representatives of M&FSG stating that to maintain the financial viability of the Village's water utility, water rate increases would be required each year beginning in 2011 and continuing through 2015. Their presentation identified the elements of the annual revenue requirements of the water utility, and compared those requirements with the annual revenues projected to be collected with current water rates. At the current rates, the water fund would experience an increasing annual shortfall of approximately \$2.74 million in 2011 growing to \$4.93 million by 2015. As a result, M&FSG initially proposed water rate increases of 13% in 2011, 2012 and 2013, and 8% in 2014 and 2015.

M&SFG also made several key findings and recommendations besides the water rate itself that factor into the future financial well-being of the water utility. These findings and recommendations are summarized below:

1) Capital Improvements

- There are currently \$45 million in buried water system assets (water mains) and \$23 million in above ground assets (water towers, well houses, rate stations) exceeding their useful life.
- Capital investment should be approximately \$5 million annually.
- Financing of capital projects is recommended to keep rates low. Bond financing was recommended for individual projects exceeding \$1 million or when the total in one year exceeds \$1.5 million.
- Bond issues of \$10.3 million in 2012 and \$6.5 million in 2015 have been anticipated in calculating the proposed water rates.

2) Contributions to Reserves

- Three months of Operating and Maintenance (O&M) expenses was recommended as a minimum target.
- Institute a Repair, Replacement and Rehabilitation (3R) Reserve. The 3R Reserve is equal to the difference between annual capital spending and the annual required capital investment.

In August representatives from M&FSG made a presentation to the Village Council about alternative water rate structures. This discussion centered on three key policy considerations: who pays, how much, and why. Common rate structure goals and objectives were laid out and staff from M&FSG presented information regarding water usage patterns. Three water rate structure alternatives were explained and information was provided regarding surrounding community rate structures and sample water bills for each alternative. More specifically, the three rate structures that were discussed can be summarized as follows:

- 1) Alternative A (Current Rate Structure) The current rate structure provides a minimum amount of fixed revenue in the form of a minimum bill and charges customers a unit rate for all metered water used beyond billing units.
- 2) Alternative B Consists of a bi-monthly fixed charge based on meter size and a unit rate volume charge. The rate structure is very similar to Alternative A with the only exception being that the structure includes a fixed charge based on meter size which does not include a minimum quantity of water.
- 3) Alternative C Contains a bi-monthly fixed charge based on meter size with multiple class inclining block rate variable charges. Alternative C provides the greatest change from the current rate structure. It includes the same fixed charge approach included in Alternative B but the usage charge includes an inclining block structure. The rate structure is designed to charge each customer class a premium for water used each bi-monthly period that is above what is defined as nondiscretionary use (i.e. winter water usage).

Staff from M&FSG will be present to discuss the attached draft report. The report summarizes the findings and recommendations of the study and sets forth a proposed strategy for setting water rates and fees for 2011 and into the future.

ATTACHMENTS

Draft Report



Draft Report September 2010

Village of Downers Grove Comprehensive Water Rate Study Report



Prepared by



TABLE OF CONTENTS

A. EXECUTIVE SUMMARY	
1. Findings and Conclusions	
2. Recommendations	2
B. BASIS FOR THE STUDY	5
1. Background	
2. Scope of Work	
3. Assumptions Used in the Study	
C. USAGE, DEMAND AND CUSTOMER ANALYSIS	
1. Customer Counts	» 8
Consumption Data	
1	
D. REVENUE REQUIREMENTS	
Operating and Maintenance Costs Capital Costs	
2.1 Existing Debt	
2.2 Capital Projects	
2.3 System Reinvestment	
3. Reserves	
3.1 Operating Reserve	17
3.2 Repair, Replacement and Rehabilitation Reserve	17
4. Revenue Requirements	18
E. FINANCIAL PLAN AND COST ALLOCATION	20
1. Financial Plan	
2. Cost Allocation	21
F. RATE ALTERNATIVES	23
1. Current Rate Structure	
2. Rate Alternatives.	
2.1 Pricing Goals and Objectives	
2.2 Alternative Rate Structures	
2.3 Recommended Rate Structure	30
3. Sample Bills	31
G. CAPITAL AND ANCILLARY SERVICE FEES	33
1. Capital Fees.	
1.1 Tap Fees	
1.2 Meter Fees	
1.3 Connection and Capacity Fees	
2. Ancillary Service Fees	35

APPENDIX

Water and Sewer Cost of Service Model consisting of the following schedules:

Schedule 1 – Control Panel

Schedule 2A – O&M Expenses

Schedule 2B – DuPage Water Purchase

Schedule 3 – O&M Reserve

Schedule 4 – Existing Debt Service

Schedule 5 – Capital Improvement Projects

Schedule 6A – Cash Funded Capital Projects

Schedule 6B – Bond Funded Capital Projects

Schedule 7 – Projected Debt

Schedule 8 – Interest Income

Schedule 9 – Miscellaneous Revenues

Schedule 10A – Capital Asset Raw Data

Schedule 10B – Capital Asset Summary

Schedule 11 – 3R Reserve

Schedule 12A – Revenue Requirements

Schedule 12B - Cost Allocation

Schedule 13A – Customer and Consumption Information

Schedule 13B – Winter Bi-Monthly Analysis

Schedule 13C – Customer and Consumption Projections

Schedule 14A – 2008 Rate Reconciliation

Schedule 14B – 2009 Rate Reconciliation

Schedule 14C – 2010 Rate Reconciliation

Schedule 14D – Rate Analysis

Schedule 15 – Water Rate Projections

Schedule 16A – Inside Village Sample Bills

Schedule 16B – Outside Village Sample Bills

Schedule 17 – Capacity Fees

Schedule 18 – Capital Fees

Schedule 19 – Operating Cash Flow

Schedule 20 - Cash Balance

A. EXECUTIVE SUMMARY

This document was prepared to summarize the work performed by the Municipal & Financial Services Group (MFSG) during the water cost of service and rate study authorized by the Village of Downers Grove ("the Village"). The study is predicated on the use of a cash flow analysis to support the pricing of utility services. The cost of service analysis uses a planning period of 10 years (2011 - 2020). This portion of the report summarizes the findings, conclusions and recommendations developed during the course of the study.

1. Findings and Conclusions

The following findings and conclusions were developed during the course of the study.

- Based on projected water sales, the Village's current water rates will not produce adequate revenues to cover the costs of operating and maintaining the water system in 2010 or during subsequent years.
- The annual shortfalls under existing rates will exhaust the Village's Water Fund cash balance during 2011.
- There are several reasons for the revenue shortfalls, which include the following:
 - ➤ The Village has experienced annual reductions in water sales over the last five years which has directly impacted revenues from water sales since the majority of the water system revenue (about 92.5%) is dependent on water sales.
 - The Village has experienced significant increases in the costs of purchased water from the DuPage Water Commission. These increases have been the primary reason for the increasing costs of operating the water system. It is anticipated that the Village will continue to experience significant annual increases (10% per year) in purchased water costs from the Water Commission.
 - Based on a review of the age of the water system buried and above ground assets, a significant portion of the water system has reached its useful life. If the Village does not address these assets, it runs the risk of portions of the system failing leading to significant disruptions in water service. To address the aging water system, the Village will be required to make significant investments in the water system over the next ten to twenty years.
- The level of the required capital investments in the water system will require the Village to issue debt to fund the projects. The use of cash funding for these projects would require triple digit rate increases.
- The Village currently maintains an operating reserve in the Water Fund which is set at a minimum of 90-days of operating expenses. The Village does not currently maintain a capital repair and replacement reserve in the Water Fund.

• The total cost of operating and maintaining the water system are largely fixed at approximately 60%. Under the current rate structure the Village collects approximately 7.5% of its revenues from a fixed minimum bill.

2. Recommendations

The following recommendations were developed during the course of the water rate study. The recommendations are presented to the Village Staff and Council for consideration and adoption.

- We recommended that the Village adopt a repair, renewal and replacement reserve (3R) reserve within the Water Fund to accumulate funds to allow for investment in replace and replacement of the aging water system.
- We recommend that the Village modify the current working capital (O&M) reserve to be based on 90-days of operating expenses rather than operating revenues.
- During the course of the study a number of rate alternatives were developed, based on discussion with Village Staff and our industry expertise we recommend the following rates effective in 2011. The following table presents 2012 and 2013 rates as well for comparison with a phased approach discussed below.

Alternative B - Fixed Charge

Bi-Monthly Fixed Charge	2011	2012	2013
5/8"	\$8.25	\$9.31	\$10.50
1"	\$12.40	\$13.96	\$15.75
1 ½"	\$41.25	\$46.53	\$52.52
2"	\$66.00	\$74.45	\$84.02
3"	\$123.70	\$139.59	\$157.55
4"	\$206.15	\$232.66	\$262.58
6"	\$412.30	\$465.31	\$525.15
10"	\$989.50	\$1,116.75	\$1,260.36

Alternative B - Usage Rate

	2011	2012	2013
Usage Rate per CCF – Inside Village	\$3.30	\$3.73	\$4.25
Usage Rate per CCF – Outside Village	\$3.80	\$4.34	\$4.95

• The rates recommended under Alternative B will result in a significant percentage increase in customer bills for customers who use small quantities of water due to the proposed adoption of the fixed charge. To provide the Village with a means of lessening the impact, a phased approach to Alternative B was developed. The rates under the phased approach are shown in the following tables and will generate the same amount of revenue in 2011 as the non-phased Alternative B rates. However, the structure will collect only 9.5% of revenue from the fixed charge, increasing to 11.5% by 2012 and 14% by 2013, compared to the recommended rates, which will generate 14% of revenue in the fixed charge in 2011.

Phased Alternative B - Fixed Charge

Bi-Monthly Fixed Charge	2011	2012	2013
5/8"	\$5.65	\$7.71	\$10.50
1"	\$8.47	\$11.57	\$15.75
1 ½"	\$28.23	\$38.57	\$52.52
2"	\$45.18	\$61.72	\$84.02
3"	\$84.70	\$115.72	\$157.55
4"	\$141.17	\$192.87	\$262.58
6"	\$282.35	\$385.74	\$525.15
10"	\$677.63	\$925.78	\$1,260.36

Phased Alternative B - Usage Rate

	2011	2012	2013
Usage Rate per CCF – Inside Village	\$3.50	\$3.85	\$4.25
Usage Rate per CCF – Outside Village	\$4.00	\$4.45	\$4.95

• The recommended rate alternative will generate 14% more revenue in 2011. To allow revenues to catch up with water system operating and maintenance expenses we recommend the Village annually increase water rates as shown below.

Proposed Annual Revenue Increases

	2011	2012	2013	2014	2015
Revenue Increases	14%	14%	14%	10%	9%

• The Village currently imposes a number of capital fees intended to recover the cost of providing water service to a new customer. Based our discussions with the Village Staff and our review of the fees we recommend the following capital fees be adopted by the Village effective in 2011.

Current and Recommended Tap Fees

Line Size	Current	2011	2012	2013	2014	2015
1"	\$200	\$230	\$240	\$250	\$260	\$270
1 1/2"	\$250	\$370	\$380	\$390	\$400	\$410
2"	\$325	\$425	\$440	\$450	\$460	\$470
Over 2"	\$400	\$590	\$610	\$630	\$650	\$670

Current and Recommended Meter Charges

Meter Size	Current	2011	2012	2013	2014	2015
5/8" or 3/4"	\$250	\$260	\$270	\$280	\$290	\$300
1"	\$325	\$370	\$380	\$390	\$400	\$410
1 1/2"	\$400	\$1,500	\$1,550	\$1,600	\$1,650	\$1,700
2"	\$500	\$1,780	\$1,830	\$1,880	\$1,940	\$2,000
3"	-	\$2,940	\$3,030	\$3,120	\$3,210	\$3,310
4"	-	\$3,900	\$4,020	\$4,140	\$4,260	\$4,390
6"	-	\$6,240	\$6,430	\$6,620	\$6,820	\$7,020

Current and Recommended Capacity / Connection Fees

Line Size		Proposed		
	Connection Fee	Capacity Fee	Total	Capacity Fee
1"	\$1,900	\$600	\$2,500	\$2,100
1 1/4"	\$-	\$-	\$-	\$2,300
1 1/2"	\$2,200	\$600	\$2,800	\$5,200
2"	\$2,400	\$600	\$3,000	\$10,300
4"	\$2,900	\$600	\$3,500	\$16,500
6"	\$6,500	\$600	\$7,100	\$31,000
8"	\$11,800	\$600	\$12,400	\$51,600
10"	\$18,300	\$600	\$18,900	\$103,200
12"	\$26,300	\$600	\$26,900	\$247,600

- We recommend that the Village adopt the proposed capacity fees shown above for lines sizes
 1" 2" but we recommend that lines exceeding 4" be negotiated based on the discretion of the
 Village Public Works Director, to allow for consideration of factors such as economic
 development impact.
- The Village currently imposes a number of ancillary service fees related to providing water service. The fees were reviewed with Village Staff to determine if they recover the costs associated with providing each service. The majority of the fees do recover the costs, our only recommendation regarding the current fees is that the after-hours disconnect/reconnect fee be increased from \$55 to \$75 to encourage the use of normal business hours.
- Based on the review of the ancillary service fees, several additional fees were identified that will recover the cost of providing various services related to the water system. We recommend that the Village adopt the following new service fees.

Service	Proposed
Public Hydrant Usage Charges	
Water Usage Fee	\$5.50 per CCF
Water Fill Up Fee	\$5 per fill up at Public Works
Damage to Hydrant Meter, Fire Hydrant or R.O.W	Actual Cost
New Water Service	
Meter Installation and MTU	\$60
Service Disconnect	
Damaged Meter or Missing MTU	Actual Cost

B. BASIS FOR THE STUDY

1. Background

The Village of Downers Grove ("the Village") provides clean, safe and reliable water service to residents and commercial establishments in and around the Village. The water system serves a residential population of approximately 50,000 with a service area that includes all areas within the Village limits and a limited area outside the Village. The primary source of water supply for the Village is from the DuPage Water Commission ("the Water Commission"). The Water Commission is supplied with water from the City of Chicago which draws water from Lake Michigan. The Village has invested significant capital to develop the water system which consists of the following major components:

- 7 elevated storage tanks with a total storage volume of 8 million gallons,
- 6 rate control stations which control the flow of water in the distribution system,
- 200+ miles of water distribution mains that range in diameter from 4 to 24 inches (approximately the distance from the Village to Milwaukee and back),
- 2,600 public fire hydrants,
- 2.700 main line distribution valves and
- Supervisory Control and Data Acquisition System (SCADA) that monitors, records and controls the operations of the water system.

The Village does not operate or maintain water treatment facilities but does maintain four backup wells. The wells are not able to meet the total water system demands and therefore serve as emergency backup supply.

As an enterprise fund, the Village does not rely on tax revenues to support the water system operations. The Water Fund is solely dependent on user charges and fees to fund its operations, maintenance and long-term obligations related to the water system. Similar to most municipal water utilities around the country, the Village operates a water system in an environment that presents continual challenges. The need for capital investment in the water system and the ongoing increases in the cost of purchased water from the Water Commission are currently placing significant pressure on the water system finances. These two factors will continue to impact the system for the foreseeable future and therefore at this time it is necessary to develop a detailed forecast of the true cost of operating and maintaining the water system to establish the appropriate level of rates, fees and charges to ensure the continued financial health and stability of the Water Fund.

2. Scope of Work

The scope of services set forth in the contract between the Village of Downers Grove and the Municipal and Financial Services Group ("MFSG") specifies several related tasks:

- **Revenue Requirements** Determine the true cost of providing water service by developing comprehensive revenue requirements for the water system.
- Cost of Service and Financial Plan Perform a cost of service analysis to determine appropriate cost allocations and develop a financial plan for the Village to ensure that water rates, fees and charges provide adequate revenues over the projection period.
- Rate Design Design a water rate structure that appropriately allocates costs among the Village's customers based on the Village's goals and objectives, specifically addressing water conservation and revenue stability.
- **Customer Impacts** Document the impact of various rate designs on Village customers to assist in development of recommended rate alternative.

3. Assumptions Used in the Study

The following guiding principles were used to guide the cost of service and rate study and were developed with the assistance of the Village Staff:

- The water system must each be self-supporting. It is assumed that the cost of operating and maintaining the water system must be supported by the water fees and charges collected from water customers.
- One of the Village's principal objectives is to keep rates and fees low over time. It is possible to keep rates low for a period of time by not investing sufficiently in the maintenance of the water system but eventually the system will deteriorate and require substantial investments leading to the need for significant and immediate rate increases. The assumption that the Village will continually reinvest in the system is built into the analysis and allows for timely and predicable rate increases.
- The Village should develop reserves to provide for contingencies and unplanned expenses.
- The expenses related to operating and maintaining the water utility should be equitably distributed among the users of the respective systems.

In addition to the guiding principles for the study, it is necessary to make several assumptions regarding future economic conditions and growth within the Village's service area, to project future revenue requirements and offsetting revenues from water rates. Assumptions (which can be varied as needed from year to year) made regarding various items are shown below:

<u>Element</u>	<u>Assumption</u>
Inflation Rate – Water O&M Expenses	3.0% per year
Inflation in Cost of Purchased Water	10.0% per year
Customer Growth Rate	0.0% per year
Consumption Growth Rate	(-1.0%) per year

Interest Rate on Borrowing 5.0%

Debt Maturity 20 years

Interest Earned on Investments 3.0% per year

Administration Costs on Financing 1.5% of principal

The study was conducted using the adopted budget for Fiscal Year 2010 (the Village functions on a fiscal year of January 1 to December 31) as the base year upon which forecasted figures were developed. The cost of service analysis considers what water rates need to be for the entire planning period (2011 - 2020).

These assumptions were used after discussions with the Village's Staff, utilizing our experience and the Staff's knowledge of its customer base and historical costs. The estimated decline in water consumption is based on historical trends of declining water sales over the past decade.

The Village Staff should monitor the assumptions used in the model over the forecast period. The Village should collect, on an annual basis, the following data items so that it can maintain the financial model and facilitate future rate studies.

- Annual number of new customers by meter size.
- Identification and classification of customers by customer class.
- Monitor customer class usage.
- Collect information on performance of water lines to assist with useful life estimates.

C. USAGE, DEMAND AND CUSTOMER ANALYSIS

To complete the cost of service and rate study it is necessary to gain an understanding of the make up of the customer base served by the Village including the number of customers by type and how customers use water. The following section provides an overview of this analysis.

1. Customer Counts

In 2009, the Village's water system customer base included 16,132 billed customers consisting of 14,546 single-family residential customers, 628 multi-family residential customers, 872 commercial customers and 86 industrial customers. The Village bills all customers on a bi-monthly basis. The Village provides water service to customers located outside of its corporate limits including to areas within Knottingham and Westmont. The following table provides a breakdown of the Village customers by location and customer class.

Table 1 - Village Water Customers

	Single-Family Residential	Multi-Family Residential	Commercial	Industrial
Inside Village	13,031	612	852	86
Outside Village	1,194	16	20	-
Knottingham	249	-	-	-
Westmont	72	-	-	-
Total Customers	14,546	628	872	86

The customer classes shown in Table 1 are based on the Village's current customer classifications. It should be noted that for presentation purposes the commercial customer class has been consolidated to include offices, restaurants, churches and schools.

For purposes of evaluating alternative rate structures it is necessary to determine the number of customer by meter size. Table 2 shows the current number of customers located inside and outside the Village (excluding Knottingham and Westmont customers since the Village does not dictate their rate structures).

Table 2 - Village Water Customer Meter Sizes

Meter Size	Single-Family Residential	Multi-Family Residential	Commercial	Industrial
5/8"	13,420	191	328	13
1"	737	80	111	14
1 ½"	62	151	167	26
2"	5	145	135	23
3"	1	37	64	10
4"	-	20	58	-
6"	-	4	8	-
10"	-	-	1	-
Total Customers	14,225	628	872	86

Table 2 demonstrates that the majority of the Village customers have a 5/8" meter which is the standard residential meter size. The use of the various meter sizes is discussed in detail in the rate alternative section of the report.

As mentioned in the previous section of the report, it is assumed that the Village will not experience growth in its customer base and therefore the current number of customers will remain constant throughout the planning period.

2. Consumption Data

The Village sold approximately 1.82 billion gallons of water to its customers during 2009. The water sales in 2009 continued a downward trend over the last few years. Water sales decreased significantly between 2005 and 2006 but then rebounded slightly in 2007. The last two years, 2008 and 2009, have trended downward. It is estimated that a portion of these declines in water usage is due to weather. The region has experienced unusually wet years over the last few years. However based on our experience nationally, individuals are using less and less water due to conservation efforts and water using fixture replacement. For purposes of forecasting future water sales, as discussed earlier in the report, it is assumes that a gradual reduction in water sales will continue at an annual rate of (-1.0%). Exhibit 1 presents the last five years of water sales and our estimate of water sales for the planning period.

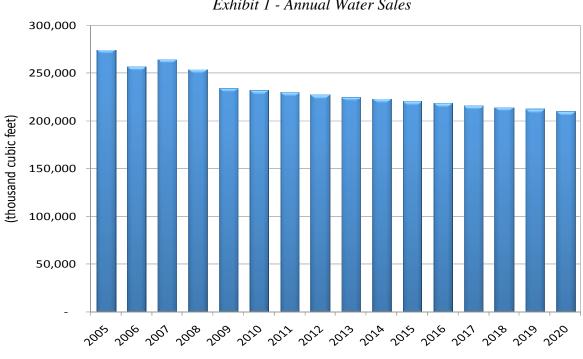


Exhibit 1 - Annual Water Sales

It is important to note that since the Village generates the vast majority of its revenues (approximately 92.5%) from the sale of water. As a result, the ongoing reduction in water sales impacts the ability of the Village to fund the operations and maintenance of the system. In general, if the Village experiences a 1% reduction in water sales it will experience about a 1% drop in revenues. In other words, to just keep revenues flat over a period of declining water sales the Village is forced to increase rates or cut costs.

In addition to examining overall water usage trends, to evaluate alternative rate structures it is necessary to review water usage patterns for various customer types within the Village system. Exhibits 2 and 3 show the break-down of customer usage by bi-monthly period for residential and non-residential customers.

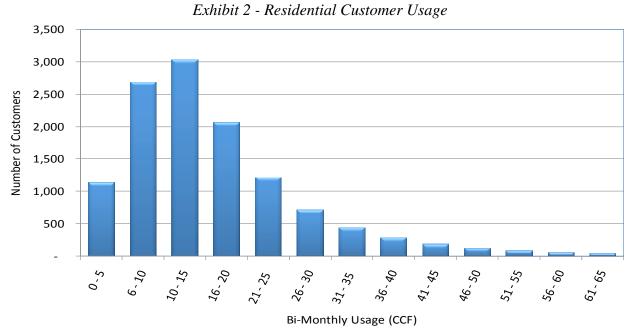


Exhibit 2 shows that the majority residential customers use between 10 - 15 hundred cubic feet (CCF) per bi-monthly period, with the average usage at about 12 CCF. The exhibit demonstrates that customers use below the average and that a small number of customers use well above the average. It should be noted that the exhibit presents only single-family residential customers as defined by the Village.

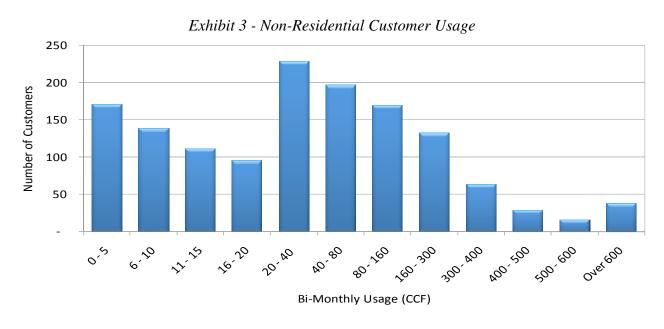


Exhibit 3 shows that the largest number of non-residential customers use between 20 and 40 CCFs per bi-monthly period. However, the distribution of customer usage is not as clearly bell-shaped as demonstrated in the residential usage. This is not surprising given the wide range of types of water users represented in the non-residential customer class. Non-residential customers include commercial, industrial and multi-family residential.

As mentioned previously, one of the key objectives for the rate study was the development and consideration of conservation rate structures. Conservation rate structures are developed to encourage the wise use of water, which typically is focused on reducing the non-discretionary use of water. Non-discretionary water use is most often defined as water used outside the home or business which is not required for actives considered essential for public health and safety. Given the climate for the Village (cold winters), it is safe to assume that most non-discretionary occurs in the spring, summer and fall. Therefore review of the usage of water in the winter compared to the summer provides insight into the seasonal peaking that occurs in the Village system. Exhibit 4 shows the average residential, commercial and industrial customers winter and summer water usage, for 2008 and 2009.

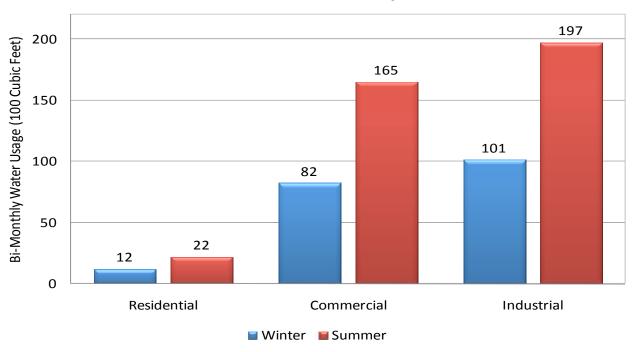


Exhibit 4 - Seasonal Customer Usage Patterns

Exhibit 4 shows that there are certainly seasonal variations for all customer classes. For purposes of the exhibit commercial includes multi-family due to the similarity in seasonal usage patterns. For each customer class there is about a 2 times peaking factor in average usage, which equates to a substantial amount of non-discretionary use. On average each customer uses almost twice as much water in the summer as compared to the winter. The analysis shown in Exhibit 4 was completed for 2008 and 2009 which were unusually wet years. Therefore it is assumed that during a dry summer the peaking would be even more substantial. These usage patterns certainly warrant the examination of water conservation rate structures.

D. REVENUE REQUIREMENTS

The next step in the cost of service and rate study was to identify the cost of providing water service,

the revenue requirements. Our approach includes a detailed review of each of the costs incurred by the Village (both identified and unidentified) to ensure a true cost of service is developed. The revenue requirements can be broken down into four main categories of costs including; operating and maintenance costs, capital improvements, existing debt service contributions to reserves. The following section of the report describes each of the categories of expenses incurred by the Village as it provides water service. The costs are all based on official documents and data provided by the Village. The costs are forecasted as described above in the assumptions.



1. Operating and Maintenance Costs

The Water Fund day-to-day operating and maintenance (O&M) expenses are budgeted in four major categories including water billing/customer service, water administration, pumping and treatment and water distribution. The actual O&M expenses for 2007, 2008 and 2009, the adopted 2010 expenses and estimated budget for 2011 were used as the basis for estimating future operating and maintenance expenses. For the years 2012 through 2020, the majority of O&M expenses were inflated by 3.0% per year. The cost of purchased water, included in the pumping and treatment category, was inflated by 10% per year. Table 3 presents the O&M expenses forecasted over the next five years.

Table 3 - Water O&M Expenses

	2011	2012	2013	2014	2015
Billing / Customer Service	204,158	210,283	216,591	223,089	229,781
Administration	1,739,346	1,791,526	1,845,272	1,900,630	1,957,649
Pumping and Treatment	327,664	357,999	388,569	400,226	412,233
Distribution	1,609,539	1,674,481	1,740,621	1,792,840	1,846,625
Water Purchase	4,300,000	4,730,000	5,203,000	5,723,300	6,295,630
Total O&M Expenses	\$8,180,707	\$8,764,289	\$9,394,053	\$10,040,085	\$10,741,918
Annual % Increase	4.0%	7.1%	7.2%	6.9%	7.0%

Table 3 demonstrates that overall operating expenses are anticipated to increase at around 7% per year over the projection period. The primary reason for the significant increases is a result of the estimated continued increase in the cost of purchased water from the Water Commission. Exhibit 5, shown below, presents the estimated O&M expenses over the entire planning period.



Exhibit 5 - Operating and Maintenance Expense Forecast

Exhibit 5 shows that the purchases of water from the Water Commission represent approximately 50% of the total O&M expenses in 2010. However by the end of the planning period, water purchases represent about 66% of the total O&M expenses. The historical increases in water purchase costs have been one the primary reasons for increasing cost of operating the water system and as demonstrated in Exhibit 5 this is expected to continue to be the case over the next 10 years.

2. Capital Costs

The ownership of a water system of the size and age of the Village system is extremely capital-intensive. The Village has invested millions of dollars in constructing and maintaining the water system as it stands today. Much of this investment occurred in the 1920's and 1950's as the Village grew and developed. Over the next several decades large portions of the system will have been in the ground for over 100 years. The on-going funding of recent capital investments and future requirements has a significant impact on water rates. While the capital investments have a pronounced impact on rates, the projects are vitally important to ensure the continued operation of the water system. The Village could keep rates low initially by not maintaining the system but would pay a significant price later as system failures spike due to a lack of system maintenance, which would then result in increased costs and ultimately the need for even higher rate increases. Proactively managing of the water system through maintenance and capital investments allows the Village to keep rates stable and lower over time.

The following section of the report presents the capital costs for the water system.

2.1 Existing Debt

The Village Water Fund currently has approximately \$1.4 million in principal outstanding debt. The debt consists of one issue that was used to fund the purchase and installation of the water systems automated meter reading (AMR) system. The debt will be fully paid off in 2012. Table 4 show the annual principal and interest payments for the outstanding debt.

Table 4 - Existing Debt Service

	2010	2011	2012
Principal Payment	\$450,000	\$470,000	\$485,000
Interest Payment	\$53,708	\$33,003	\$11,155
Total Due	\$503,708	\$503,003	\$496,155

2.2 Capital Projects

The Village's water system has planned capital projects totaling approximately \$20 million for the period from 2011 through 2016. At this time the Village does not have planned capital projects for 2017 through 2020. The following table presents the planned capital projects for the system based on type of project.

Table 5 - Water System Planned Capital Projects

	2011	2012	2013	2014	2015	2016
Water Main Replacement	\$125,000	\$5,640,000	\$2,340,000	\$2,925,000	\$3,900,000	\$0
Water Meter Replacement / AMR	\$60,000	\$825,000	\$660,000	\$600,000	\$0	\$0
Water Tank Maintenance	\$100,000	\$200,000	\$0	\$0	\$1,700,000	\$1,750,000
SCADA	-	\$120,000	-	-	-	-
Total	\$285,000	\$6,785,000	\$3,000,000	\$3,525,000	\$5,600,000	\$1,750,000

It should be noted that the timing of the capital projects presented in Table 5 was developed based on the ability of the Village to fund the capital projects. Historically, the Village has used cash derived from operations (pay-as-you-go) to fund capital project, as evidence by the limited amount of outstanding debt service within the Water Fund. If the Village attempts to cash fund the project listed in Table 5, water rates will need to increase close to 100% over the next few years. This will certainly lead to rate shock within the customer base. Therefore, given the capital needs we recommend that the Village debt fund at least a portion of the capital improvements plan. Financing water system capital infrastructure is common practice within the industry for a number of reasons including:

- Water infrastructure consists of assets that will be used for a long period of time (40 to 70 years). The use of debt better matches the use of the asset with the recovery of the cost of the asset.
- The use of only cash to fund capital projects often results in the delay or deferral of project due to limited resources. This often results in significant deferred system maintenance because the utility resorts to a reactive approach to capital projects.
- The cost of financing is relatively low for local governments.

Due to the impact on water rates, we recommend that the Village consider financing capital projects when the individual project or combined projects exceed \$1.0 million in any particular year. Over time the Village should reevaluate these guidelines as costs and revenues increase. Applying these guidelines to the capital projects listed in Table 5 results in the following cash and debt financing plan for the next five years.

Table 6 - Capital Project Financing

	2011	2012	2013	2014	2015
Cash Funded Projects	\$285,000	\$933,300	\$660,000	\$600,000	\$500,000
Bond Funded Projects	\$0	\$5,851,700	\$2,340,000	\$2,925,000	\$5,100,000
Total	\$285,000	\$6,785,000	\$3,000,000	\$3,525,000	\$5,600,000

Based on discussions with the Village Staff, it is assumed that the bond funded water system projects will be funded through two bond issues consistent with the Village's overall plan for issuing new debt. It is assumed that the Village will issue debt in 2012 and 2015. The 2012 issue will fund water system capital projects in 2012, 2013 and 2104 which total approximately \$11.2 million. The 2015 issue will fund water capital projects in 2015 and 2016 and total \$6.8 million. The 2015 is tentative as additional project may be identified in 2016 and subsequent years.

2.3 System Reinvestment

As mentioned above, the Village has invested millions of dollars to construct and maintain the water system. As the water system ages, it is important that the Village actively manage these assets to ensure that the useful live of the water system is maximized.

To assist the Village in managing its capital assets, MFSG completed a review of the water system buried infrastructure and above ground assets. The goal of the review is to provide the Village with an estimate of the annual investment required in the system to appropriately maintain the system and strive towards maximizing the assets useful life. As part of the system asset review, the ages and costs of various portions of the water distribution system were stratified by decade. The age groupings of the distribution system together with useful life information and unit replacement costs were used to estimate the required reinvestment in the water system. Based on information from Village Staff and industry estimates, water lines in the Village system are estimated to have useful lives of approximately 70 years. It should be noted that this is a longer period than the Village uses for calculating depreciation but is more representative of reality. It was assumed that water system structures and improvements including water storage facilities have useful lives of approximately 60 years. The following exhibits show the estimated replacement costs and decade of replacement for buried and above ground assets.

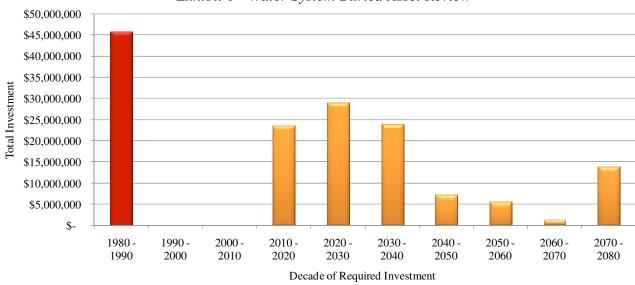


Exhibit 6 - Water System Buried Asset Review

Exhibit 6 demonstrates that the Village has approximately \$45 million (in 2010 dollars) worth of buried assets that have already exceeding their useful life, based on an assumed useful life of 70 years. The replacement value is calculated by taking the original cost of the buried assets by installation year and trending them to current dollars using the Engineer New Record (ENR) construction cost index. These assets consist of water main installed in the 1920's. The exhibit also demonstrates that over the next 30 years a significant portion of the remaining buried infrastructure will reach its useful life. Exhibit 7, below, shows the same analysis for above ground assets such as water storage tanks.

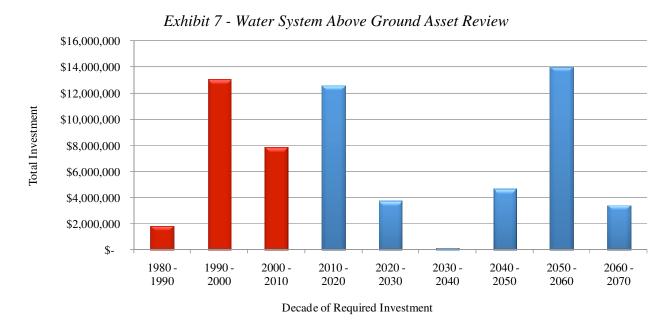


Exhibit 7 shows that the Village has approximately \$24 million worth (in 2010 dollars) of above ground assets that have reach their useful lives. It should be noted that the useful life of 70 years and 60 years for buried and above ground assets are theoretical values which are used as a proxy, as

evidence by the fact that a large portion of the Village water mains are well beyond 70 years old and still functioning. However, these assets should be considered a liability because at some point they will fail which will result in significant service interruptions and the need for emergency repairs and/or replacements. We recommend that the Village take proactive steps to address these assets such as developing a "Repair, Replacement and Rehabilitation (3R) Reserve" which is intended to assist in dedicating funds for replacement of system assets.

3. Reserves

Best management practices dictate that cash reserves be accumulated to provide for contingencies and unplanned major expenses. We recommend the establishment and/or maintenance of two types of reserves for the Village's water system: an Operating and Maintenance ("O&M") Reserve and a Repair, Renewal, and Rehabilitation ("3R") Reserve. Each is discussed below.

3.1 Operating Reserve

An operating reserve is important to provide funds for unplanned minor repairs or fluctuations in the budget. This type of reserve is also valuable during unusually wet or dry years, which could result in reduced revenues due to lower than anticipated consumption levels. As these reserves are accumulated, they can be used in future years to offset, decrease or defer rate increases. Operating reserves are typically established as a percentage of a system's O&M budget. The Village currently maintains an O&M reserve that is based on 90 days of operating revenues. This closely mirrors our recommended target with the exception that we recommend a balance of 90-days of operating expenses rather than revenues. We recommend targeting expenses because revenues have a circular relationship with rates (i.e. if the reserve target is not met, rates may need to be increased which increases revenues which increases the reserve target). The Village currently has reserves exceeding the target balance. However due to expenses exceeding revenues in the current year by the end of the year (2010) beginning in 2011 the cash balance will drop below the 90-days of operating expenses and a contribution will be required in 2011. To minimize the impact on rates we recommend capping the contribution to \$100,000.

3.2 Repair, Replacement and Rehabilitation Reserve

Many municipal utilities establish Repair, Replacement and Rehabilitation ("3R") reserves to provide funds to pay for unexpected major repairs and planned replacement or rehabilitation of system assets, as mentioned in the previous section. These reserves can be used to pay for capital costs in order to avoid or minimize the amount that would otherwise be recovered through user fees (and possibly result in a significant rate increase). Typically, the annual "3R" reserve contribution is calculated based on the estimated useful life of each asset as described in the previous section of this report. The "3R" contribution is offset by the actual amount of investment planned by the Village in its capital improvement program, as shown in Table 5. We recommend that the Village take a 20-year rolling average of the calculated annual "3R" Reserve contributions for both the buried and above ground infrastructure to even out rate increases and mitigate rate shock caused by varying annual required reinvestment values. The following exhibit presents the recommended annual contribution to the 3R Reserve.



Exhibit 8 - Recommended Annual "3R" Reserve Contribution

Exhibit 8 presents the recommended annual contribution to the 3R Reserve. The reason for the significant spike in contributions beginning in 2016 is due to the fact that the Village does not have planned capital projects for these years and the contribution is a rolling average what the Village should be spending (per the asset review) compared with what is planned to be spent (per the capital improvements plan). Once the Village develops capital projects for these out-years the recommended contribution will be reduced.

4. Revenue Requirements

The gross revenue requirements (that is, the total cash needed for the water and sewer systems) can be classified into two major categories:

1. Operating Costs:

Operating and Maintenance Expenses (day to day operations)
O&M Reserve Contributions

2. Capital Costs:

Existing Debt Service (annual principal and interest payments)
Projected New Debt Service
Cash-funded Capital Projects
"3R" Reserve Contributions

The following table shows the revenue requirements, miscellaneous (non user charges) revenue and the net revenue requirement from user rates for water system.

Table 7 - Water System Revenue Requirements

	2011	2012	2013	2014	2015
Operating Expenses	8,180,707	8,764,289	9,394,053	10,040,085	10,741,918
Operating Reserve Contr.	100,000	100,000	100,000	100,000	100,000
Operating Expenses Subtotal	8,280,707	8,864,289	9,494,053	10,140,085	10,841,918
Existing Debt Service	503,003	496,155	-	-	-
Cash Funded Cap. Projects	285,000	933,300	660,000	600,000	500,000
Projected Debt Service	-	-	905,413	905,413	905,413
3R Reserve Contribution	489,223	333,867	547,201	547,201	439,427
Total Revenue Requirement	9,557,933	10,627,611	11,606,667	12,192,699	12,686,759
Less Miscellaneous Revenue	414,170	421,917	428,542	441,057	482,466
Net Revenue Requirement from Rates	\$9,143,763	\$10,205,695	\$11,177,783	\$11,751,597	\$12,204,803
Projected Revenue with Current Rates	\$7,573,804	\$7,498,066	\$7,423,085	\$7,348,855	\$7,275,366
Net Surplus (Shortfall)	(\$1,569,959)	(\$2,707,629)	(\$3,754,698)	(\$4,402,743)	(\$4,929,437)
Water Fund End of Year Cash Balance	(\$386,184)	(\$3,093,812)	(\$6,848,510)	(\$11,251,253)	(\$16,180,690)

Table 7 demonstrates that the current water rates will not generate sufficient revenue to cover the revenue requirements in 2011 or during subsequent years. The table also demonstrates that the cash balance within the Water Fund will be exhausted in 2011. Exhibit 9 presents the revenue requirements and the revenues with current rates over the next five years.

\$14,000,000 \$12,000,000 \$10,000,000 \$8,000,000 \$6,000,000 \$4,000,000 \$2,000,000 \$0 2010 2011 2012 2013 2014 2015 -Net Revenue Requirements Total Revenues under Current Rates

Exhibit 9 - Current Revenues and Revenue Requirements

E. FINANCIAL PLAN AND COST ALLOCATION

The development of revenue requirements in the previous section of the report, demonstrates that annual amount of revenue that needs to be generated from rates and fees to ensure that the Water Fund is self-supporting. The following section of the report reviews the required increases in rate necessary to cover the revenue requirements as a proposed financial plan and examines the allocation of costs between those that are fixed and variable to assist in the review and development of alternative rate structures.

1. Financial Plan

As demonstrated in the previous section of the report, the water system will not be self-supporting (revenues will not to cover revenue requirements) in 2010 nor will revenues cover expenses during the subsequent years. To immediately address the shortfall the Village would be required to increase rates fairly dramatically. The breakeven rate increases are shown below.

Table 8 - Water Revenue Adjustments - Breakeven Rates

	2011	2012	2013	2014	2015
Water System Revenue Increase	22%	19%	6%	6%	6%

In an effort to smooth the rate increases and address the shortfalls we propose that the Village consider adjusting water rates over a multi-year period. The recommended annual increases in the water revenues are shown in the following table.

Table 9 - Water Revenue Adjustments - Financial Plan

	2011	2012	2013	2014	2015
Water System Revenue Increase	14%	14%	14%	10%	9%

The proposed revenue increases will allow revenues to catch up to expenses over the next five years. The multiple year increases are proposed to minimize the one-time impact on customer bills. As a result even with the increases shown in Table 8, the Village will use some cash reserves over the next three years as rates are increased. The increases will not result in revenues matching expenses in the first three years. Additional increases will be required in years 2016 - 2020, based on our forecast of revenue requirements for the Water Fund. However, the magnitude of the rate increases will be influenced by a number of factors such as the level of capital investment, purchased water costs from the Water Commission, declining water sales and overall inflation in O&M expenses. The following table presents the estimated cumulative cash balance in the Water Fund based on adoption of the revenue increases shown in Table 9.

Table 10 - Water Fund Ending Cash Balance

, and the second	2011	2012	2013	2014	2015
Water Fund End of Year Cash Balance	\$1,216,389	\$1,148,883	\$1,583,457	\$2,429,017	\$3,666,748

It should be noted that the Village started 2010 with a total Water Fund cash balance of approximately \$2.3 million. The Water Fund will experience a significant loss in 2010 (approximately \$1.1 million) and will build the fund balance back over the next five years.

2. Cost Allocation

To develop and consider alternative rate structures it is necessary to understand how the Village incurs costs while providing water service to its customers. In particular, what costs of operating the system are fixed (i.e. don't vary with volume of water sold) and those that are variable (dependent on the actual volume of water delivered to customers). To examine the allocation of costs each of the building blocks of the revenue requirements (cost components included in Table 6 in the previous section) were examined.

The allocation of revenue requirements between fixed and variable was completed by considering which expenses are dependent on the actual delivery of water. This is fairly straight forward when considering capital costs. The Village is required to meet its debt service obligations regardless of water sales. Additionally, the volume of water sold will not have any impact on the planned cash funded or bond funded capital projects. This would not be the case if the Village was contemplating expansion related capital projects due to growth in customers and water demand but all projects in the CIP are repair and replacement type projects. The volume of water sold will also not impact the need for operating and 3R reserve contributions. Therefore all capital expenses are assumed to fixed.

Unlike capital costs, operating expenses do vary based on the volume of water sold. To determine the fixed versus variable portion of the operating expenses each line item within the operating budget was reviewed based on our knowledge of whether or not the expense is dependent on the amount of water used or is dependent on the potential demand the customers place on the system. The Water Fund operating budget is broken into four operating categories including, administration, water billing/accounting, treatment and pumping and water distribution. Operating expenses within administration and water billing/account are assumed to be fixed. The Village must manage and oversee the water system and send bills to customer regardless of water usage. The other two categories of expenses will vary with water usage. The key budget items that were deemed variable include overtime, a portion of water purchases, utilities and supplies. The most significant variable expenses include the purchase of water from the Water Commission. However this expense is not completely variable due to the fact that based on the agreement with the Water Commission, the Village is required to pay approximately 17% of the total purchased water expenses regardless of water taken from the Commission.

The methodology discussed above was applied to the 2011 revenue requirements to determine the portion of costs that are fixed and those that are variable. Table 11 presents the costs allocation and the resulting percentage breakdown.

Table 11 - Fixed vs. Variable Cost Allocation

	Fixed Costs	Variable Costs	% Fixed	% Variable
Operating Expenses	\$4,499,389	\$3,681,318	55%	45%
Operating Reserve Contribution	\$100,000	\$ -	100%	0%
Existing Debt Service	\$503,003	\$ -	100%	0%
Cash Funded Capital Projects	\$285,000	\$ -	100%	0%
Projected Debt Service	\$ -	\$ -	100%	0%
3R Reserve Contribution	\$489,223	\$ -	100%	0%
Total	\$5,876,615	\$3,681,318	61%	39%

Table 10 demonstrates that approximately 61% of the costs of operating the Village water system in 2011 will be fixed. Over the projection period, due to increasing capital expenses, the fixed portion increases to approximately 70% by 2015.

F. RATE ALTERNATIVES

The cost of providing water service to the customers of the Village water system has been established in the previous sections of this report. The analysis demonstrates that the Village will need to increase rates to ensure the financial health and stability of the Water Fund. The following section of the report reviews how these costs are recovered from customer by examining the current and alternative rate structures.

1. Current Rate Structure

The current water rate structure includes a fixed minimum bill and a usage rate per hundred cubic (CCF) of meter water usage. The bi-monthly minimum bill includes 2 CCFs of water and the usage rate is applied to all metered water exceeding 2 CCF. The current structure collects approximately 7.5% of revenues from the fixed portion of the rate structure. As a result, the Water Fund is guaranteed approximately 7.5% of the anticipated total current revenues regardless of water usage. The Village provides service to customers outside its corporate limits. These customers are charged a modest surcharge. Table 12 presents the current water rate structure.

Table 12 - Current Water Rates

Monthly Minimum Charge	Current
Inside Village - Minimum Bi-Monthly Charge (2 CCFs)	\$6.62
Inside Village - Rate per CCF	\$3.31
Outside Villege Minimum Di Menthly Change (2 CCFe)	\$7.70
Outside Village - Minimum Bi-Monthly Charge (2 CCFs)	\$7.70
Outside Village - Rate per CCF	\$3.85

2. Rate Alternatives

The following section of the report discusses the key policy goals and objectives related to pricing water service and the development of several alternative rate structures designed to address the pricing goals and objectives.

2.1 Pricing Goals and Objectives

To examine alternative rate structures it is necessary to determine the principle pricing goals and objectives for the structure. Based on our industry experience there are a number of common goals and objectives related to pricing water service. The most common considerations include the following:

- Cost of Service Recovery
- Revenue Stability
- Ease of Updating
- Water Conservation
- Economic Development
- Equitably Cost Allocation

- Minimizing Customer Impacts
- Affordability
- Rate Stability
- Ease of Understanding
- Ease of Implementation
- Legality

Each of the pricing goals and objectives were viewed in light of the Village's overall strategies including the Village's Strategic Plan. While all of the objectives mentioned above are deemed important, there are several objectives that were identified to be key for the study.

- Cost of Service Recovery The rate structures must provide the revenues needed to operate the system, provide for capital needs and meet the financial targets for long-term financial health and stability.
- *Minimizing Customer Impact* The direct impact to Village customers should be minimized, realizing that customer retention and continued water usage is critical for the continued health and stability of the water system.
- Revenue Stability To assist in the financial stability within the Water Fund, the rate structure should provide a reasonable amount of revenue stability.
- Water Conservation The Village has identified in its strategic plan an objective to encourage the wise use of resources which naturally includes water resources. Therefore the ability of the water rate structure to encourage wise use of water was deemed important.

There are a number of ways to address the key pricing goals and objectives mentioned above. The first objective, cost of service recovery, is best accomplished by ensuring that the rates are set at a level that fully recovers the cost of providing water service. While this can be accomplished with any rate structure, the cost of service recovery will be closely related to revenue stability. In other words, it is important to assess the likelihood that the rate structure will generate the anticipated revenues. The second objective, minimizing customer impacts, can be accomplished by minimizing the one-time changes to the rate structure and by phasing in rate increases.

The pricing objective related to revenue stability can be addressed in a number of ways. The most common approach is to increase the fixed portion of the water bill. The more significant the fixed portion of the bill the more guaranteed revenue generated from the water rates. However it is necessary for there to be a clear cost basis for the fixed portion of the bill (the fixed portion should recover fixed costs incurred by the utility). Typical costs included in a fixed charge include, but are not limited to: customer service costs, billing and meter reading, administrative costs and meter maintenance. However as presented in the previous section of the report, approximately 61% of the total cost of operating and maintaining the water system are fixed and therefore it would be possible to include capital costs as well. Another consideration related to the fixed portion of the bill is the basis that would be used to impose the fixed portion of the bill. The Village currently charges the minimum bill (fixed portion) on a per account basis. It is fairly common to impose fixed charges based on meter size. The size of a customers meter represents the potential demand that they can place on the water system (i.e. a residential 5/8" meter can only demand so much water from the system, where as a 6" meter can demand significantly more water). As a result it costs more to maintain the water supply for a larger meter and it also costs significantly more to replace and maintain a larger meter. The basis selected should be consistent with the costs recovered in the fixed charge. If meter maintenance costs, capital costs and/or general system maintenance costs are added to the fixed charge, then the charge should be applied by meter size. On the other hand, if just the costs for billing and administrative services are included in the fixed charge, there is no basis for using meter size as these costs are the same for all customers regardless of meter size.

The final key pricing objective, water conservation, is most often addressed in a rate structure through the variable portion (the usage rate) of the bill. The usage rate can be designed to encourage the wise use of water by increasing the rate for water used at usage levels that are deemed excessive or discretionary. It is important to note that a conservation type rate structure often results in increased revenue volatility and therefore to some degree counters the idea of revenue stability.

2.2 Alternative Rate Structures

After discussions with the Village Staff and in light of the pricing goals and objectives a number of rate structure alternatives were developed. The alternatives were ultimately narrowed down to two key alternatives which were fully developed and are presented in this section of the report. The two alternatives are presented along side the current rate structure for comparison. Each alternative will produce the same amount of revenue which is 14% more than the revenue produced by the current rates based on the financial plan for the water system shown in Table 8. Each of the alternatives are shown below followed by a review of the structures ability to meet the pricing goals and objectives.

• Alternative A (Current Rate Structure) - The current rate structure increased to produced 14% more revenue in 2001.

Alternative A - Fixed Minimum Bill (Current Rate Structure)

	2010	2011
	Current Rates	Alternative A
Minimum Bi-Monthly Charge (2 CCFs) - Inside Village	\$6.62	\$7.55
Minimum Bi-Monthly Charge (2 CCFs) - Outside Village	\$7.70	\$8.78

Alternative A - Usage Rate (Current Rate Structure)

	2010 Current Rates	2011 Alternative A
Usage Rate per CCF - Inside Village	\$3.31	\$3.77
Usage Rate per CCF - Outside Village	\$3.85	\$4.39

The current rate structure is fairly common among water utilities. It provides a minimum amount of fixed revenue in the form of a minimum bill and charges customers a unit rate for all metered water used beyond 2 CCF. The following observations are made in regards to Alternative A's ability to meet the pricing goals and objectives.

- Cost of Service Recovery The proposed increases in rates included in Alternative A will assist in ensuring that the cost of operating and maintaining the water system is recovered.
- Minimizing Customer Impact Alternative A will impact all customers of the water system by increasing their bills by 14% since the structure includes a uniform rate increase.

- Revenue Stability Alternative A will not increase the revenue stability within the Water Fund. The rate structure will continue to provide guaranteed revenues of approximately 7.5% of the total revenues. The current structure should not cause a decrease in revenue stability beyond what the Fund experiences currently.
- ➤ Water Conservation Alternative A does not directly address water conservation. However with the increase in the usage rate customers will pay more (then under the current rates) for each CCF of water consumed which may incentivize the wise use of water.
- Alternative B Consists of a bi-monthly fixed charge based on meter size and a unit rate volume charge.

Alternative B - Fixed Charge

Bi-Monthly Fixed Charge	Alternative B - 2011 Inside and Outside Village		
5/8"	\$8.25		
1"	\$12.40		
1 1/2"	\$41.25		
2"	\$66.00		
3"	\$123.70		
4"	\$206.15		
6"	\$412.30		
10"	\$989.50		

Alternative B - Usage Rate

	Alternative B - 2011		
	Inside Village		
Usage Rate per CCF	\$3.30	\$3.80	

Similar to Alternative A, Alternative B is a very common rate structure among water utilities around the country. The rate structure is very similar to Alternative A with the only exception being that the structure includes a fixed charge based on meter size which does not include a minimum quantity of water. A customer who uses 4 CCF of water would be charge the fixed charge plus the usage rate for all 4 CCF of meter water. Additionally, the fixed charge is designed to collection 14% of the revenues compared to the 7.5% under the current structure. The costs recovered by the fixed charge include administration, billing and customer service and meter maintenance. The following observations are made in regards to Alternative B's ability to meet the pricing goals and objectives.

- Cost of Service Recovery The proposed increases in rates included in Alternative B will assist in ensuring that the cost of operating and maintaining the water system is recovered.
- Minimizing Customer Impact Alternative B will impact customers differently based on how much water is used. The structure is not drastically different from the current structure so the customer impacts are therefore minimized.

- Revenue Stability Alternative B will increase the revenue stability within the Water Fund. The rate structure will provide guaranteed revenues of approximately 14% of the total revenues which is nearly double the current amount guaranteed (7.5%, Alternative A).
- ➤ Water Conservation Alternative B will do the least of any of the alternatives to address water conservation. As the result of an increased fixed portion of the bill the incentive to conserve is reduced.
- Alternative C Contains a bi-monthly fixed charge based on meter size with multiple class inclining block rate variable charges.

Alternative C - Fixed Charge

Bi-Monthly Fixed Charge	Alternative C - 2011 Inside and Outside Village
5/8"	\$8.25
1"	\$12.40
1 ½"	\$41.25
2"	\$66.00
3"	\$123.70
4"	\$206.15
6"	\$412.30
10"	\$989.50

Alternative C - Usage Rate

	Inside Village	Outside Village
Residential Rate Structure		
Level 1: 0 – 15 CCFs	\$2.85	\$3.40
Level 2: 15 – 30 CCFs	\$3.60	\$4.25
Level 3: Over 30 CCFs	\$4.30	\$5.10
Commercial Rate Structure		
Level 1: 0 - 100 CCFs	\$2.85	\$3.40
Level 2: 100 - 200 CCFs	\$3.60	\$4.25
Level 3: Over 200 CCFs	\$4.30	\$5.10
Industrial Rate Structure		
Level 1: 0 - 130 CCFs	\$2.85	-
Level 2: 130 - 260 CCFs	\$3.60	-
Level 3: Over 260 CCFs	\$4.30	-

Alternative C provides the greatest change from the current rate structure. It includes the same fixed charge approach included in Alternative B but the usage charge includes an inclining block structure designed to encourage water conservation. The rate structure is designed to charge each customer class a premium for water used each bi-monthly period that is above what is defined as non-discretionary use (i.e. winter water usage). For each customer class the usage levels are set as follows:

- Level 1 Usage up to 125% of winter bi-monthly usage
- ➤ Level 2 Usage up to 250% of winter bi-monthly usage
- ➤ Level 3 Usage over 250% of winter bi-monthly usage

It should be noted that the Village does not serve any industrial customers outside of the Village and therefore a rate is not provided for these customers. The following observations are made in regards to Alternative C's ability to meet the pricing goals and objectives.

- ➤ Cost of Service Recovery The proposed increases in rates included in Alternative C will assist in ensuring that the cost of operating and maintaining the water system is recovered.
- ➤ Minimizing Customer Impact Alternative C will impact customers differently based on how much water is used. The structure differs from the current structure most dramatically and therefore will result in some customers experiencing potentially significant increases or decreases to their bills.
- Revenue Stability Alternative C will increase the revenue stability within the Water Fund. The rate structure will provide guaranteed revenues of approximately 14% of the total revenues which is double the current amount guaranteed. However inclining block rate structures often result in greater revenue volatility due to customer usage and weather conditions. So the 76% of revenues collected from the usage rate will most likely be less stable.
- ➤ Water Conservation Alternative C is designed to encourage water conservation. The variable charge is specifically designed to encourage water. However this is tempered to some degree by the increased fixed charge as discussed with Alternative B. It is assumed however the customers will reduce their water usage in the Level 2 block by 4% and the Level 3 block by 7%, based on price elasticity.

The following exhibits are provided to demonstrate the side-by-side impact on each customer type for each rate alternative. The exhibits present the current bill (under 2010 rates) and the bills for 2011 under each of the alternatives.

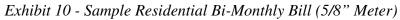




Exhibit 11 - Sample Commercial Bi-Monthly Bill (1 1/2" Meter)



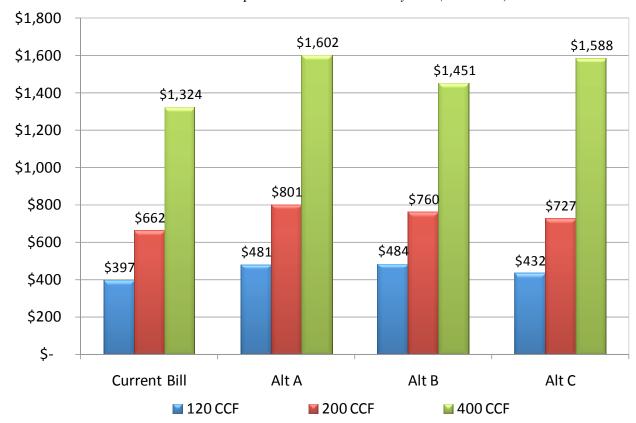


Exhibit 12 - Sample Industrial Bi-Monthly Bill (2" Meter)

The exhibits demonstrate that each alternative will impact customers differently based on usage amounts.

2.3 Recommended Rate Structure

Based on the policy discussions with the Village Staff and review of the rate structures in light of the pricing goals and objectives we recommend that the Village adopt the Alternative B rate structure for the water system with rates effective in 2011. The Alternative B structure is recommended for a number of reasons. The rate structure will:

- Generate approximately 14% more revenue in 2011.
- Collect 14% of revenues in the fixed charges which will assist in increasing stability within the Water Fund.
- Impose the fixed charge based on meter size which better matches the true cost of providing water service to larger sized meters.
- Minimize the impact of the increases for most customers due to the limited change in the rate structure.

The Alternative B structure meets all of the pricing objectives with the exception of water conservation. However based on the ongoing reduction in water sales, it appears that the Village is currently achieving water conservation. The pricing of water is only one of many factors that

influence water conservation. Educational programs, programs offering rain barrels and water using fixture change-out (replacing old water fixtures) all have been shown to encourage the wise use of water. Therefore we would argue that the Village is making strives towards this goal and that at this time a water conservation rate structure would be result in too much change all at once in the rate structure. Over time the Village may want to consider implementing a conservation type structure if conservation does not seem to continue with current practices.

3. Sample Bills

The following tables present sample bills for various customers under the current and recommended Alternative B water rates. The tables are intended to provide an expanding view of the impact on various customers under the proposed alternative along with the cumulative percentage of customers using the demonstrated amount of water.

Table 13 - Sample Inside Village Bi-Monthly Water Bills

	Sample Instite + titel de 2+ interior y + titel 2 tits				
Meter Size	Water Consumption (in CCFs)	Customer Class	Current Bill	Recommended 2011 Bill	% Difference
5/8	1	Residential	\$6.62	\$11.55	74.41%
5/8	2	Residential	\$6.62	\$14.85	124.26%
5/8	15	Residential	\$49.65	\$57.75	16.31%
5/8	40	Residential	\$132.40	\$140.25	5.93%
5/8	5	Commercial	\$16.55	\$24.75	49.52%
1 1/2	50	Commercial	\$165.50	\$206.23	24.61%
1 1/2	100	Commercial	\$331.00	\$371.23	12.15%
1 1/2	250	Commercial	\$827.50	\$866.23	4.68%
5/8	60	Industrial	\$198.60	\$206.25	3.85%
2	120	Industrial	\$397.20	\$461.97	16.31%
2	200	Industrial	\$662.00	\$725.97	9.66%
2	400	Industrial	\$1,324.00	\$1,385.97	4.68%

Table 14 - Sample Outside Village Bi-Monthly Water Bills

Meter Size	Water Consumption (in CCFs)	Customer Class	Current Bill	Recommended 2011 Bill	% Difference
5/8	1	Residential	\$7.70	\$12.05	56.44%
5/8	2	Residential	\$7.70	\$15.85	105.79%
5/8	15	Residential	\$57.75	\$65.25	12.98%
5/8	40	Residential	\$154.00	\$160.25	4.06%
5/8	5	Commercial	\$19.25	\$27.25	41.54%
1 1/2	50	Commercial	\$192.50	\$231.23	20.12%
1 1/2	100	Commercial	\$385.00	\$421.23	9.41%
1 1/2	250	Commercial	\$962.50	\$991.23	2.98%

Tables 12 and 13 demonstrate that customers that use very little water will see significant percentage increases in their bi-monthly water bills. The actual dollar increases are fairly modest and there are very few customers that use such small quantities of water. The significant percentage increases are due to the change in the rate structure (the increased fixed charge). Given the potential reaction to

these increases, we have developed a phased approach to Alternative B, which will increase the fixed charge over a three year period. The phase-in approach would collect 9.5% of the revenues in the fixed charge in the first year increasing to 11.5% in 2012 and finally at 14% by 2013. This approach would generate the same amount of revenue because the usage rate would be increased to compensate for the phase-in of the fixed charge.

The phased approach to Alternative B is shown in the following table.

Phased Alternative B - Fixed Charge

Bi-Monthly Fixed Charge	2011	2012	2013
5/8"	\$5.65	\$7.71	\$10.50
1"	\$8.47	\$11.57	\$15.75
1 ½"	\$28.23	\$38.57	\$52.52
2"	\$45.18	\$61.72	\$84.02
3"	\$84.70	\$115.72	\$157.55
4"	\$141.17	\$192.87	\$262.58
6"	\$282.35	\$385.74	\$525.15
10"	\$677.63	\$925.78	\$1,260.36

Phased Alternative B - Usage Rate

	2011	2012	2013
Usage Rate per CCF – Inside Village	\$3.50	\$3.85	\$4.25
Usage Rate per CCF – Outside Village	\$4.00	\$4.45	\$4.95

The phase approach would help to lessen the impact on customers using small quantities of water, however we strongly recommend that the Village move towards collecting 14% of revenues in the fixed charge rather than a lesser percentage.

G. CAPITAL AND ANCILLARY SERVICE FEES

Capital fees are collected from new water customers when they connect to the water system or when an existing service is increased in size. Ancillary service fees are imposed upon customers for individual services that are provided and are un-related to the general utility operations or the day-to-day use of the water system. They include items such as penalties, public hydrant use and other one-time type activities related to the water system. As part of the rate study, MFSG reviewed the current fees imposed by the Village to determine if they represent the true cost incurred by the Village while providing the service.

1. Capital Fees

The Village currently collects capital fees from new customers joining the water system. The capital fees are intended to recover the capital costs of providing service to the new customer. The capital fees are currently made up of four components which include a tap fee, a capacity fee, a connection fee and a meter fee. Each of the capital fees are discussed below.

1.1 Tap Fees

The Village's tap fees are intended to recover the actual costs incurred by the Village while taping the water line for connection and providing the corporation stop, B-box and other materials. Currently, the Village charges tap fees based on line size for the tap, which is standard industry practice. It has been a number of years since the Village updated the tap charges. Based on the review of the actual costs of material and labor to provide the tap completed by the Village Staff the current taps fees do not cover the cost of providing a tap to a new customer. We recommend that the Village adopt increased tap fees to ensure that the cost of providing the service is recovered. Additionally we recommend that the fees be increased by 3% per year to reflect inflation. The current and recommended tap fees are presented below.

Table 15 - Current and Recommended Tap Fees

Line Size	Current	2011	2012	2013	2014	2015
1"	\$200	\$230	\$240	\$250	\$260	\$270
1 1/2"	\$250	\$370	\$380	\$390	\$400	\$410
2"	\$325	\$425	\$440	\$450	\$460	\$470
Over 2"	\$400	\$590	\$610	\$630	\$650	\$670

1.2 Meter Fees

The current meter fees imposed by the Village are intended to recover the cost of providing a water meter to a new customer. The fees are based on the size of the meter which is standard industry practice. Similar to the taps fees it has been a number of years since the Village updated the meter fees. Additionally the Village does not currently have a specific charge for meters larger than 2 inches in size. To review the meter fees, the Village Staff provided the actual cost of purchasing water meters for the various sizes of meters. The following table presents the current meter fees and the current actual cost of purchasing meters. We recommend that the meter fees be increased annually by 3% to account for inflation in the cost of meters.

Table 16 - Current and Recommended Meter Fees

Meter Size	Current	2011	2012	2013	2014	2015
5/8" or 3/4"	\$250	\$260	\$270	\$280	\$290	\$300
1"	\$325	\$370	\$380	\$390	\$400	\$410
1 1/2"	\$400	\$1,500	\$1,550	\$1,600	\$1,650	\$1,700
2"	\$500	\$1,780	\$1,830	\$1,880	\$1,940	\$2,000
3"	-	\$2,940	\$3,030	\$3,120	\$3,210	\$3,310
4"	-	\$3,900	\$4,020	\$4,140	\$4,260	\$4,390
6"	-	\$6,240	\$6,430	\$6,620	\$6,820	\$7,020

1.3 Connection and Capacity Fees

The Village currently imposed two additional capital fees; a connection fee based on line size and a capacity fee per connection. Discussions with the Village Staff reveal that the purpose for the separate fees is unclear. However these fees are intended to recover the capital cost of constructing backbone water infrastructure to serve a new customer. To simplify the fees and due to the fact that the rationale for separate fees is unclear, we recommend that the Village combine the fees and call them capacity fees since they are intended recover the purchase of system capacity.

Capacity fees are fairly common within the water industry and are an appropriate means of charging new customers or customers that upsize their service for the cost of constructing water system capacity. To calculate capacity fees it is necessary to examine the historical investments made by the Village to construct the water system and the amount of capacity purchased by a new customer represented by their meter size. The historical investment in the water system used in capacity fee calculations is most often the replacement cost new less depreciation (RCNLD). This value represents the current replacement cost of the non-depreciated assets in the water system. This value serves as a proxy for the cost of providing capacity to new water customers. The Village water system RCNLD value equals approximately \$59 million.

In order to calculate the capacity fees, the current amount of the system that is utilized and the ultimate build out have to be calculated. To examine system capacity it is necessary to develop a consistent basis for the various types of customers within the system. For example, a large commercial customer will typically require more system capacity then a residential customer. To put all customers on a similar basis line/meter equivalents are typically used to determine the number of equivalent dwelling units (EDUs) within a system. The American Water Works Association (AWWA) publishes several tables which equate meter sizes to the potential demand that could be placed on the system. Based on the current number of EDU's and the ultimate build-out of the water system it is estimated that the water system will ultimately serve approximately 24,700 EDU's based on the current water allocation from the Illinois Department of Natural Resources (IDNR). Therefore the cost of providing capacity is \$59 million divided by 24,700 results in a capacity fee of \$2,400 per EDU. The following table presents the current and recommended capacity fees for the next five years.

Table 17 - Current and Recommended Capacity / Connection Fees

Line Size		Proposed		
	Connection Fee	Capacity Fee	Total	Capacity Fee
1"	\$1,900	\$600	\$2,500	\$2,100
1 1/4"	\$-	\$-	\$-	\$2,300
1 1/2"	\$2,200	\$600	\$2,800	\$5,200
2"	\$2,400	\$600	\$3,000	\$10,300
4"	\$2,900	\$600	\$3,500	\$16,500
6"	\$6,500	\$600	\$7,100	\$31,000
8"	\$11,800	\$600	\$12,400	\$51,600
10"	\$18,300	\$600	\$18,900	\$103,200
12"	\$26,300	\$600	\$26,900	\$247,600

Table 17 demonstrates that the current fees for smaller line sizes are fairly close to the proposed capacity fee. However, as the table demonstrates the current fees significantly under price the cost of providing capacity to larger line sizes (lines 2' to 12"). We recommend that the Village adopt the proposed capacity fees for lines sizes up to 2" but for lines above 2" in size we recommend that the Village should allow for determination of the capacity fee at the discretion of the Public Works Director. The values shown in Table 15 are very substantial and while they do represent the estimated cost of building capacity for large water customers a number of factors should be considered when connecting a large customer particularly the economic impact of a large water user.

Lastly, the majority of development within the Village is redevelopment. As a result, we recommend that the Village impose the capacity fee for existing customers who increase their service connection. The capacity fee should be imposed based the incremental amount of the capacity fee between the line sizes.

2. Ancillary Service Fees

In addition to the water user rates and capital fees, the Village collects ancillary service fees from its customers to offset the cost of providing various services. The Village collects minimal amounts of revenue from these fees. As part of the cost of service study, the current service fees were reviewed to ensure that they set at the appropriate levels. The current and proposed services fees are shown in the following table.

Table 18 - Current and Proposed Ancillary Service Fees

Service	Current	Proposed
Watering Permit - New sod, plants and/or trees	\$30	\$30
Public Hydrant Usage Security Deposit		
5/8" Meter	\$500	\$500
1" Meter	\$700	\$700
3" Meter	\$1,800	\$1,800
Administrative Fee	\$25	\$25
Meter Rental Charge (per week)	\$10	\$10

Service	Current	Proposed
Disconnect/Reconnect		
Service Fee For Shutting Off Water Service (7am to 4pm)	\$42	\$42
Reconnection Service Fee		
a. Between 7am and 4pm	\$42	\$42
b. Before 7am or after 4pm	\$55	\$75
First Offense in Rolling 12-Month Period	\$50	\$50
Second Offense in Rolling 12-Month Period	\$100	\$100
Third Offense in Rolling 12-Month Period	\$150	\$150
Fee For Late Payments	10% of delinquency	10% of delinquency
	amount	amount
Handling and Service Charge	\$ 50	\$ 50
Disconnection of Water Service Pipes	Actual Cost	Actual Cost
Inspection Fees		
Water Service Tap Inspection Fee	\$60	\$60
Water Service Disconnect Inspection Fee	\$60	\$60

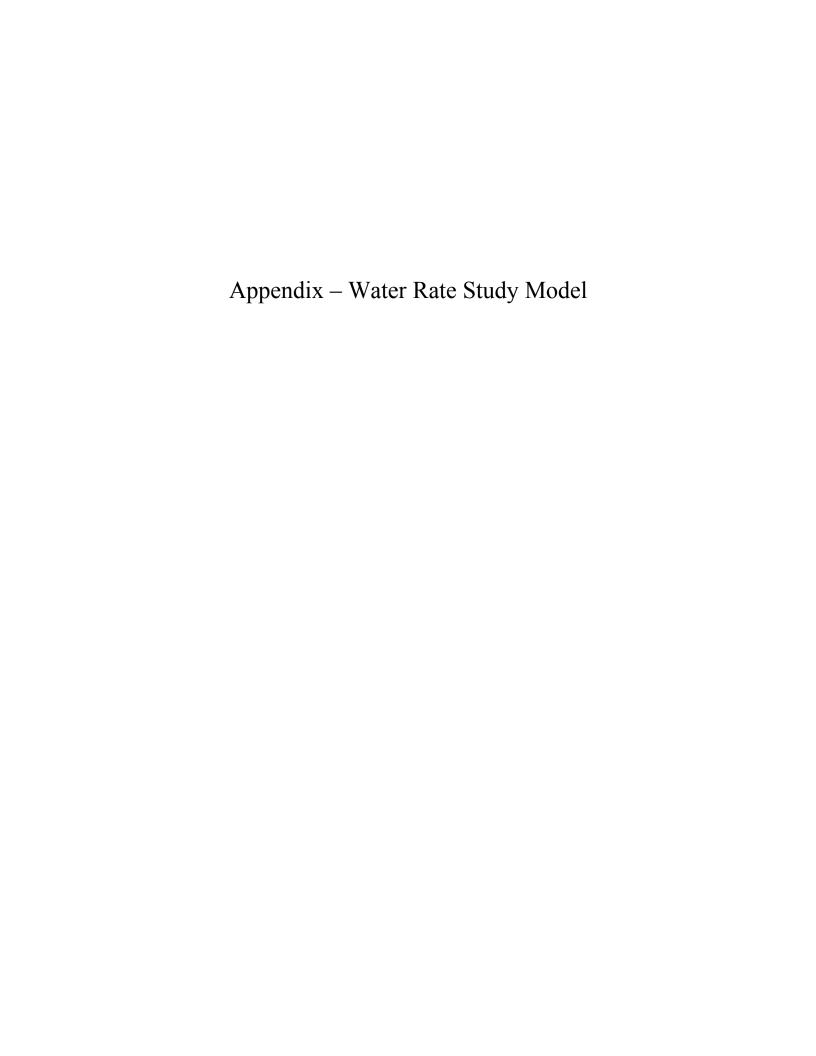
As shown in Table 18, the majority of the ancillary service fees are currently set at an appropriate level. The fees were reviewed by the Village Staff to determine if the actual time and material costs are recovered by the current fees. Based on the review the staff concluded that the fees do recover these costs. Out review concluded that the fees are appropriate however we recommend that the reconnection service fees that are completed outside of normal business hours be increased from \$55 to \$75 to encourage the use of normal utility staff business hours.

The ancillary service fees imposed by the Village are common within the utility industry. However there a few service fees that the Village should implement to further recover the cost of providing water service. These fees were developed by the Village Staff based on cost of providing each service.

Table 19 - New Ancillary Service Fees

Service	Proposed
Public Hydrant Usage Charges	
Water Usage Fee	\$5.50 per CCF
Water Fill Up Fee	\$5 per fill up at Public Works
Damage to Hydrant Meter, Fire Hydrant or R.O.W	Actual Cost
New Water Service	
Meter Installation and MTU	\$60
Service Disconnect	
Damaged Meter or Missing MTU	Actual Cost

The proposed fees are intended to further recover the cost of providing individual services related to the Village water system. The service fees should be reviewed annually to ensure that they match the cost of providing each service.





Village of Downers Grove, IL Water Rate Study Developed by: Municipal and Financial Services Group, LLC Last Updated: September 2010

Financial Model Index

I. Global Inputs / Assumptions

Schedule 1 - Control Panel

II. Operating and Capital Expense (Revenue) Data

Schedule 2A - Operating & Maintenance Expenses

Schedule 2B - Dupage Water Purchase

Schedule 3 - Operating & Maintenance Reserve

Schedule 4 - Existing Debt Service

Schedule 5 - Capital Improvement Plan

Schedule 6A - Cash Funded CIP

Schedule 6B - Bond Funded CIP

Schedule 7 - Projected Debt

Schedule 8 - Interest Income

Schedule 9 - Miscellaneous Revenues

III. Asset Management and Reinvestment Plan

Schedule 10A - Capital Asset Raw Data

Schedule 10B - Capital Asset Summary

Schedule 11 - Repair, Renewal, & Replacement Reserve

IV. Revenue Requirements and Financial Plan

Schedule 12 - Revenue Requirements

V. Customer and Consumption Analysis

Schedule 13A - Customer and Consumption Information

Schedule 13B - Winter Bi-Monthly Customer Analysis

Schedule 13C - Customer and Consumption Projections

VI. Water Rate Analysis and Projections

Schedule 14A - FY 08 Rate Reconciliation

Schedule 14B - FY 09 Rate Reconciliation

Schedule 14C - FY 10 Rate Reconciliation

Schedule 14 D - Rate Analysis

Schedule 15 - Rate Projections

VII. Customer Impact and Customer Sample Bills

Schedule 16A - Inside Village Sample Bills

Schedule 16B - Outside Village Sample Bills

VIII. Capital Charges

Schedule 17 - Capacity Fee

Schedule 18 - Capital Fees

X. Cash Flow Statements

Schedule 19 - Operating Cash Flow

Schedule 20 - Cash Balance

SCHEDULE 1 - CONTROL PANEL

Operating Assumptions

		Base Year					Fisca	l Year			1	
	Source	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Overall Operating Expenses Inflation Rate	Industry Estimate			3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Dupage Water Purchase Inflation Rate	Estimate			10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Customer Growth Rate	Village	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Consumption Growth Rate	Village	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%	-1.00%
-												

Capital Assumptions

CIP FUNDING SCENARIO ANALYSIS											
	Base Year					Fiscal '	/ear				
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Project Total Maximum Cash Funding \$1,000,000				· · · · · · · · · · · · · · · · · · ·		Cash Funded	· · · · · · · · · · · · · · · · · · ·		•		<u> </u>
<u> </u>	100.0%	100.0%	18.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Maximum Yearly Cash Funding \$1,500,000						Bond Funded					
	0%	0%	82%	0%	0%	0%	0%	0%	0%	0%	0%
*If total Project Funding exceeds Trigger it will be bond funded											
Total Cash Funded CIP	\$ 1,113,093	\$ 285,000 \$	933,300 \$	660,000 \$	600,000 \$	500,000	- \$	-	\$ -	\$ -	\$ -
*If total Project Funding does not reach Trigger it will be cash funded											
Total Bond Funded CIP	\$ -	\$ - \$	5,851,700 \$	2,340,000 \$	2,925,000 \$	5,100,000	\$ 1,750,000 \$	-	\$ -	\$ -	\$ -
		Bond Issues									
Bond Financing		Bond 1	Bond 2	Bond 3	Bond 4	Bond 5					
Fund CIP Beginning Year		2012	2015	2017	2019	2021					
Fund CIP Ending Year		2014	2016	2018	2020	2022					
Year of Issue		2012	2015	2017	2019	2021					
Interest Rate on Borrowings		5.00%	5.00%	5.00%	5.00%	5.00%					
Debt Maturity		20	20	20	20	20					
Debt Administrative Expense (% of Principal)		1.50%	1.50%	1.50%	1.50%	1.50%					
Series Identifier		Bond 1	Bond 2	Bond 3	Bond 4	Bond 5					

1,351,018

				0.11	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Department Finance/Billing	Cost Center Water Billing/Water Acctg.	Account Number 481.20.261.5101.0000	Account Name Salaries, Exempt	O/A A	Actuals \$ 17,681 \$	Actuals 19,671 \$	Actuals 19,974 \$	Adopted 20,084	Estimates \$ 21,157 \$	Projection 21,791	Projection 22,445 \$	Projection 23,119 \$	Projection 23,812 \$	Projection 24,526 S	Projection 25,262 5	Projection \$ 26,020 \$	Projection 26,801	Projection \$ 27,605
Finance/Billing	Water Billing/Water Acetg.	481.20.261.5103.0000	Sick Time	A	\$ 17,001 S	8,184 \$	6,059 \$	20,004	\$ - 5	5 - 5	5 - S	- \$	- \$	- 5	5 - 5	\$ 20,020 S	20,001	\$ -
Finance/Billing	Water Billing/Water Acctg.	481.20.261.5111.0000	Salaries, Non-Exempt	A	\$ 45,933 \$	47,243 \$	46,068 \$	47,212	\$ 49,731 \$	51,223	52,759 \$	54,342 \$	55,972 \$	57,652 \$	59,381 \$	\$ 61,163 \$	62,997	\$ 64,887
Finance/Billing Finance/Billing	Water Billing/Water Acctg. Water Billing/Water Acctg.	481.20.261.5121.0000 481.20.261.5131.0000	Overtime Imrf Pension Contribs	A A	\$ 131 \$ \$ 7.964 \$	- \$ 8.257 \$	- \$		\$ - 5 \$ 9.777 5	5 - 5 5 10.070 5	S - \$ S 10.372 \$	- \$	- \$ 11.004 \$	11.334 5	S - S S 11.674 S	\$ - \$ \$ 12,024 \$	12.385	\$ - \$ 12.757
Finance/Billing	Water Billing/Water Acctg. Water Billing/Water Acctg.	481.20.261.5131.0000	Medicare Contributions	A	s 7,964 s	8,237 \$ 910 \$	7,978 3 906 \$,	5 9,777 3 5 1.028 5	10,070	10,372 \$ 1.090 \$	1.123 \$	1.156 \$	11,334 3	11,674 3	\$ 12,024 3 \$ 1.264 \$	12,383	
Finance/Billing	Water Billing/Water Acctg.	481.20.261.5134.0000	Social Security Contributions	A	\$ 3,745 \$	3,891 \$	3,875 \$	3,861	\$ 4,395 \$	4,527	4,663 \$	4,803 \$	4,947 \$	5,095	5,248 \$	5,405	5,568	\$ 5,735
Finance/Billing	Water Billing/Water Acctg.	481.20.261.5167.0000	Compensated Absences	A	\$ 596 \$	(288) \$	- S	- :	\$ - 5	- 5	s - s	- \$	- \$	- 1	- 5	S - S	- :	s -
Finance/Billing Finance/Billing	Water Billing/Water Acctg. Water Billing/Water Acctg.	481.20.261.5190.0000 481.20.261.5191.0000	Life Insurance Health Insurance	A A	\$ 158 \$ \$ 14,621 \$	197 \$ 17,231 \$	246 \$ 15,965 \$	5 251 : 5 14,791 :	\$ 280 5 \$ 18,892 5	\$ 288 5 \$ 19.458 5	\$ 297 \$ \$ 20,042 \$	306 \$ 20,643 \$	315 \$ 21,263 \$	325 S 21.901 S	334 S 22,558 S	\$ 344 \$ \$ 23,234 \$	355 355 23,931	\$ 365 \$ 24,649
Finance/Billing	Water Billing/Water Acetg.	481.20.261.5195.0000	Optical Insurance	A	\$ 14,021 S	219 \$	153 \$		§ 16,652 S	169		179 \$	185 \$		196 5			
Finance/Billing	Water Billing/Water Acctg.	481.20.261.5197.0000	Dental Insurance	A	\$ 1,401 \$	1,692 \$	1,621 \$		\$ 1,735 \$	1,787	1,841 \$	1,896 \$	1,953 \$	2,012	2,072	\$ 2,134 \$	2,198	\$ 2,264
Finance/Billing Finance/Billing	Water Billing/Water Acctg.	481.20.261.5210.0000 481.20.261.5303.0000	Supplies Seminars, Conferences & Meetings	0	\$ - \$ \$ 421 \$	85 \$	15 \$ 138 \$, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$ - S \$ 1000 \$	S - 5	S - S S 1061 S	- \$	- \$	1159	5 - S	\$ - \$ \$ 1230 \$	1267	S - S 1305
Finance/Billing	Water Billing/Water Acctg. Water Billing/Water Acctg.	481.20.261.5305.0000	Professional Services	o	\$ 421 \$ \$ 29.110 \$	- 3 31.574 S	27.795 S		\$ 1,000 3 \$ 42,000 5	1,030 S	1,061 S 44,558 S	45.895 \$	47.271 \$	48.690 5	5 1,194 3 5 50.150 5	\$ 1,230 3 \$ 51.655 \$	5 1,267	
Finance/Billing	Water Billing/Water Acctg.	481.20.261.5392.0000	Postage	О	\$ 45,918 \$	39,833 \$	48,706 \$	34,000	\$ 52,000 \$	53,560	55,167 \$	56,822 \$	58,526 \$	60,282	62,091 \$	63,953 \$	65,872	
Finance/Billing	Water Billing/Water Acctg.	481.20.261.5470.0000	Other Equipment Repair and Maintenance	O		- S	- S	4,750	\$ 2,000 \$	2,060	2,122 \$	2,185 \$	2,251 \$,, ,	2,388 \$	\$ 2,460 \$	2,534	\$ 2,610
Finance/Billing Finance/Billing	Water Billing/Water Acctg. Water Billing/Water Acctg.	481.20.261.5687.0000 481.20.261.5902.0000	Refunds Misc Transfers	0	S - S S - S	- 5	193,918 \$ 250,000 \$	- :	S - S	- 5	s - S	- S	- S	- 5	- 3	S - S S - S		S -
T mance/Dining	water Binning/ water Acceg.	401.20.201.3902.0000	Misc Hansiers	Ü	J - J	- 9	230,000 3		p - 4		- 9	- 4	- 4			- 4	, -	-
Public Works	Water Administration	481.30.391.5101.0000	Salaries, Exempt	A	\$ 109,642 \$		112,460 \$,	\$ 120,931 \$	124,559	128,296 \$	132,145 \$	136,109 \$	140,192	144,398 \$	\$ 148,730 \$	153,192	\$ 157,788
Public Works Public Works	Water Administration Water Administration	481.30.391.5103.0000 481.30.391.5111.0000	Sick Time Salaries, Non-Exempt	A A	\$ - \$ \$ 92.749 \$	25,826 \$ 97,969 \$	19,768 \$ 103.012 \$,	5 - 3 5 109.451 5	5 - S 5 112.734 S	s - \$ \$ 116116 \$	- \$	- \$ 123.188 \$	126.883	5 - S 5 130,690 S	s - S S 134.610 S	138.649	S - S 142.808
Public Works	Water Administration	481.30.391.5119.0000	Part-Time Employee Wages	A	\$ 7,305 \$	7,872 \$	4,080 \$	117,155	6,444	6,637	6,836 \$	7,041 \$	7,253 \$	7,470	7,694	5 7,925 \$	8,163	
Public Works	Water Administration	481.30.391.5121.0000	Overtime	A	\$ 2,923 \$	3,067 \$	948 \$	600	\$ - 5	5 - 5	s - s	- \$	- \$	- 5	5 - 5	S - S	- :	S -
Public Works Public Works	Water Administration Water Administration	481.30.391.5131.0000 481.30.391.5133.0000	Imrf Pension Contribs	A	\$ 26,008 \$ \$ 2,987 \$	26,925 \$ 3.123 \$	26,351 \$ 3.065 \$	29,220	\$ 32,492 \$ \$ 3,416 \$	33,467 S	34,471 \$ 3,624 \$	35,505 \$ 3,733 \$	36,570 \$ 3.845 \$	37,667 S 3,961 S	38,797 S	\$ 39,961 \$ \$ 4,202 \$	41,160 4,328	\$ 42,394 \$ 4.458
Public Works Public Works	Water Administration	481.30.391.5134.0000	Medicare Contributions Social Security Contributions	A A	\$ 2,987 \$ \$ 12,774 \$	13,354 \$	13,104 \$		5 3,416 3 \$ 14.606 \$	5 3,519 3 5 15,044 5		3,733 \$ 15,960 \$	16,439 \$	16,932		\$ 4,202 3 \$ 17,963 \$	18,502	
Public Works	Water Administration	481.30.391.5167.0000	Compensated Absences	A	\$ 1,503 \$	10,378 \$	(5,759) \$	- :	S - 5	5 - 5	s - \$	- S	- \$	- 5	5 - 5	S - S	- :	s -
Public Works	Water Administration	481.30.391.5190.0000	Life Insurance	A	\$ 607 \$	629 \$	694 \$, ,,,	, ,,,,		832 \$	857 \$	882 5	909 \$		964	
Public Works Public Works	Water Administration Water Administration	481.30.391.5191.0000 481.30.391.5195.0000	Health Insurance Optical Insurance	A A	\$ 31,829 \$ \$ 350 \$	34,898 \$ 437 \$	32,038 \$ 423 \$		\$ 37,821 \$ \$ 394 \$	38,956 S 405 S	\$ 40,125 \$ \$ 418 \$	41,328 \$ 430 \$	42,568 \$ 443 \$	43,845 S	45,161 S 470 S	\$ 46,516 \$ \$ 484 \$	47,911	\$ 49,348 \$ 514
Public Works	Water Administration	481.30.391.5197.0000	Dental Insurance	A	\$ 4,122 \$	4,719 \$	4,479 \$	4,513	\$ 4,164 \$	4,288		4,550 \$	4,686 \$	4,827	4,971	5,121 \$	5,274	
Public Works	Water Administration	481.30.391.5205.0000	Uniforms	A	\$ 229 \$	398 \$	- S	500	\$ 1,055 \$	1,087	1,119 \$	1,153 \$	1,187 \$	1,223 5	1,260 5	\$ 1,298 \$	1,336	
Public Works Public Works	Water Administration Water Administration	481.30.391.5210.0000 481.30.391.5240.0000	Supplies Books & Periodicals	A A	\$ 2,580 \$	4,209 \$ 63 \$	1,621 \$ 213 \$		\$ 10,400 \$ \$ 500 \$	5 10,712 S 5 515 S		11,364 \$ 546 \$	11,705 \$ 563 \$		5 12,418 S 5 597 S	\$ 12,791 \$ \$ 615 \$	3 13,174 : 633 :	
Public Works	Water Administration	481.30.391.5280.0000	Small Tools & Equipment	A	\$ 2,283 \$	511 \$	433 S					2.841 S	2.926 \$		3.105		3.294	
Public Works	Water Administration	481.30.391.5302.0000	Dues And Memberships	A	\$ 265 \$	480 \$	395 \$		\$ 425 5	438 5		464 \$	478 \$	493 \$	507 \$	§ 523 §	, 550	
Public Works Public Works	Water Administration Water Administration	481.30.391.5303.0000 481.30.391.5308.0000	Seminars, Conferences & Meetings	A	\$ 960 \$ \$ 2,090 \$	1,301 \$ 2,473 \$	840 \$ 1.506 \$	2,,,,,,,,	\$ 2,900 S \$ 1,600 S	2,987 S		3,169 \$	3,264 \$	5,502 4	3,463 S	\$ 3,567 \$ \$ 1,968 \$		
Public Works Public Works	Water Administration Water Administration	481.30.391.5308.0000 481.30.391.5315.0000	Recognition Program-Staff Professional Services	A A	\$ 2,090 \$ \$ 11,429 \$	2,473 \$ 8,870 \$	7,219 \$	23,861	\$ 1,600 S	5 1,648 S 5 24,577 S		1,748 \$ 26,074 \$	1,801 \$ 26,856 \$	27,661	5 1,910 3 5 28,491 5	\$ 1,968 \$ \$ 29,346 \$	30,226	
Public Works	Water Administration	481.30.391.5322.0000	Personnel Recruitment	A	\$ 70 \$	188 \$	- S	- :	\$ 110 \$	113 5	117 \$	120 \$	124 \$	128 5	131 5	§ 135 §	139	\$ 144
Public Works	Water Administration	481.30.391.5380.0000	Printing Services	О	s - s	64 \$	1,471 \$		\$ 2,700 \$	2,781	2,864 \$	2,950 \$	3,039 \$	3,130 \$	3,224 \$	\$ 3,321 \$	3,420	
Public Works Public Works	Water Administration Water Administration	481.30.391.5391.0000 481.30.391.5392.0000	Telephone Postage	0	\$ 30,357 \$ \$ 1,268 \$	41,299 \$ 5,290 \$	3,094 \$ 1,521 \$		\$ 3,960 \$ \$ 4,700 \$	4,079 5 4,841 5		4,327 \$ 5.136 \$	4,457 \$ 5,290 \$.,	5 4,728 S 5 5.612 S	\$ 4,870 \$ \$ 5,780 \$	5,016 5,954	
Public Works	Water Administration	481.30.391.5470.0000	Other Equipment Repair and Maintenance	o	\$ 1,200 3 \$ 2,744 \$	725 \$	1,321 3			860		912 \$	940 \$		5 997 5	\$ 1.027 \$		
Public Works	Water Administration	481.30.391.5481.0000	Rentals	О	\$ 660 \$	693 \$	1,367 \$, 0,5	\$ 695 \$	716		759 \$	782 \$		830 5	855 \$	880	
Public Works Public Works	Water Administration Water Administration	481.30.391.5650.0001 481.30.391.5650.0002	Transfer To ISFs For Allocation Transfer To ISFs For Allocation	0	\$ 4,896 \$ \$ 900 \$	7,860 \$ 900 \$	5,664 \$ 900 \$	5,376 : 1,800 :	\$ 5,422 \$ \$ 1,800 \$	5 5,584 5 6 1.854 5	5,752 \$ 1,910 \$	5,925 \$ 1,967 \$	6,102 \$ 2,026 \$	6,285 S	6,474 S 2,149 S	\$ 6,668 \$ \$ 2,214 \$	6,868	
Public Works	Water Administration	481.30.391.5650.0002	Transfer To ISFs For Allocation Transfer To ISFs For Allocation	0	\$ 19,692 \$	15,612 \$	24,828 \$	8,673	\$ 1,800 S	18,892		20,043 \$	2,026 \$	2,087 3	2,149 3	5 2,214 3 5 22,558 \$	2,280	
Public Works	Water Administration	481.30.391.5650.0004	Transfer To ISFs For Allocation	О	\$ 55,560 \$	57,444 \$	- S	- :	\$ - 5	5 - 5	s - \$	- \$	- \$	- 5	5 - 5	S - S	- :	s -
Public Works Public Works	Water Administration Water Administration	481.30.391.5650.0005 481.30.391.5770.0000	Transfer To ISFs For Allocation Capital Equipment	0	\$ 73,164 \$	75,648 \$ 940 \$	200,004 \$	219,169	\$ 220,500 \$	227,115	233,928 \$	240,946 \$	248,175 \$	255,620 \$	263,289	\$ 271,187 \$	279,323	\$ 287,702
Public Works Public Works	Water Administration	481.30.391.5770.0000	Misc Transfers	0	s - s \$ 968,916 \$		1.042.944 \$		\$ 1.106.462 \$	1.139.656	5 1.173.846 \$	1.209.061 \$	1.245.333 \$	1.282.693	5 1.321.173 S	5 1.360.809 S	1.401.633	\$ 1,443,682
															, , , ,	. , ,	, , , , , , , , , , , , , , , , , , , ,	, ,,,,,,
Public Works Public Works	Pumping & Treatment Pumping & Treatment	481.30.392.5103.0000 481.30.392.5111.0000	Sick Time Salaries, Non-Exempt	A A	S - S S 44.914 S	5,802 \$ 47,433 \$	4,674 \$ 50,946 \$		5 - 5 5 51.862 5	5 - 5 5 53,418 5	5 - S 5 55.020 S	- \$	- \$ 58.371 \$	60.122	61.926 S	\$ - \$ \$ 63.783 \$	65.697	S - S 67.668
Public Works	Pumping & Treatment	481.30.392.5119.0000	Part-Time Employee Wages	A	\$ 684 \$	3,385 \$	3,640 \$		\$ 4,867 \$	5,013	5,164 \$	5,319 \$	5,478 \$	5,642	5,812	5,986 \$	6,166	
Public Works	Pumping & Treatment	481.30.392.5121.0000	Overtime	A	\$ 6,921 \$	3,389 \$	1,486 \$	7,000	\$ 15,000 \$	15,450	15,914 \$	16,391 \$	16,883 \$	17,389	17,911 \$	\$ 18,448 \$	19,002	\$ 19,572
Public Works Public Works	Pumping & Treatment Pumping & Treatment	481.30.392.5131.0000 481.30.392.5133.0000	Imrf Pension Contribs Medicare Contributions	A A	\$ 8,124 \$ \$ 919 \$	7,386 \$ 881 \$	7,241 \$ 881 \$		\$ 8,588 \$ \$ 973 \$	8,845 S 1,003 S	9,111 \$ 1,033 \$	9,384 \$ 1.064 \$	9,666 \$ 1.096 \$	9,955 S	10,254 5 1,162 5	\$ 10,562 \$ \$ 1,197 \$	10,879 1,233	\$ 11,205 \$ 1,270
Public Works Public Works	Pumping & Treatment Pumping & Treatment	481.30.392.5134.0000	Social Security Contributions	A	\$ 3,929 \$	3,769 \$	3,765 \$		\$ 4.162 S			1,064 S	1,096 S 4.684 \$	4.825	5 1,162 3 5 4,970 5		5.272	
Public Works	Pumping & Treatment	481.30.392.5167.0000	Compensated Absences	A	\$ 471 \$	417 \$	146 \$	- :	S - S	5 - 5	s - s	- S	- \$	- 5	5 - 5	S - S	- :	S -
Public Works Public Works	Pumping & Treatment Pumping & Treatment	481.30.392.5190.0000 481.30.392.5191.0000	Life Insurance	A A	\$ 83 \$ \$ 12.580 \$	92 \$ 13.785 \$	176 \$ 12.834 \$		\$ 224 S \$ 15,187 S	5 231 5 5 15,642 5	5 238 \$ 5 16,111 \$	245 \$ 16,595 \$	252 \$ 17,093 \$	260 S	5 267 5 5 18,134 5	\$ 275 \$ \$ 18,678 \$	284 19,238	
Public Works	Pumping & Treatment Pumping & Treatment	481.30.392.5195.0000	Optical Insurance	A	\$ 12,380 \$ \$ 175 \$	15,785 \$	12,834 3		\$ 13,187 3 \$ 131 \$	13,042		16,393 \$	17,093 \$	17,003 3	18,134 3 157 5	5 18,078 3 S 161 S	19,238	
Public Works	Pumping & Treatment	481.30.392.5197.0000	Dental Insurance	A	\$ 1,148 \$	1,353 \$	1,297 \$	1,353	\$ 1,388 \$	1,429	1,472 \$	1,517 \$	1,562 \$	1,609 \$	1,657 5	\$ 1,707 \$	1,758	\$ 1,811
Public Works	Pumping & Treatment	481.30.392.5205.0000 481.30.392.5210.0000	Uniforms	A	\$ 591 \$	334 \$	153 \$	300	\$ 655 \$	675 5		716 \$	737 \$	759 \$	782 5	\$ 806 \$	830	\$ 855 8 3634
Public Works Public Works	Pumping & Treatment Pumping & Treatment	481.30.392.5210.0000 481.30.392.5226.0000	Supplies Chemicals And Salt	0	\$ 3,096 \$ \$ - \$	532 \$ - \$	1,267 \$	2,000 S	\$ 2,785 \$ \$ 300 \$	2,869 S		3,043 \$ 328 \$	3,135 \$ 338 \$	3,229 S	3,325 5 358 5	\$ 3,425 \$ \$ 369 \$	3,528 3 380	\$ 3,634 \$ 391
Public Works	Pumping & Treatment	481.30.392.5251.0000	Maintenance Supplies	o	\$ 86 \$	3,244 \$	- \$			1,030		1,093 \$	1,126 \$					\$ 1,305
Public Works	Pumping & Treatment	481.30.392.5256.0000	Water Pump Maintenance Supplies	0	\$ 983 \$	1,699 \$	1,028 \$	1,000	\$ 1,500 \$	1,545	1,591 \$	1,639 \$	1,688 \$	1,739	1,791	\$ 1,845 \$	1,900	
Public Works Public Works	Pumping & Treatment Pumping & Treatment	481.30.392.5280.0000 481.30.392.5291.0000	Small Tools & Equipment Water Purchase	0	\$ 1,166 \$ \$ 2,960,799 \$	2,718 \$ 2,774,116 \$	3,829 \$	3,900 : 4,001,127	\$ 3,900 \$ \$ 4,300,000 \$	4,017 5 4,730,000 5	4,138 \$ 5,203,000 \$	4,262 \$ 5,723,300 \$	4,389 \$ 6,295,630 \$	4,521 5 6,925,193 5	4,657 5 7.617.712 5	\$ 4,797 \$ 8 8,379,484 \$	4,940 : 9,217,432 :	
Public Works	Pumping & Treatment	481.30.392.5302.0000	Dues And Memberships	ŏ	\$ 165 \$	232 \$	182 \$	495	\$ 200 5	206	212 \$	219 \$	225 \$	232	239	\$ 246 \$	253	\$ 261
Public Works	Pumping & Treatment	481.30.392.5303.0000	Seminars, Conferences & Meetings	О	\$ 859 \$	895 \$	621 \$	550	\$ 600 \$	618	637 \$	656 \$	675 \$	696	716	5 738 \$	760	\$ 783
Public Works Public Works	Pumping & Treatment Pumping & Treatment	481.30.392.5315.0000 481.30.392.5322.0000	Professional Services Personnel Recruitment	0	\$ 10,000 \$ \$ 45 \$	15,395 \$ 47 \$	8,575 \$ 141 \$	58,224	\$ 66,491 \$ \$ 60 \$	88,991 S	5 111,491 \$ 5 64 \$	114,836 \$ 66 \$	118,281 \$ 68 \$	121,829 S	125,484 S	\$ 129,249 \$ \$ 74 \$	133,126	\$ 137,120 \$ 78
Public Works	Pumping & Treatment Pumping & Treatment	481.30.392.5391.0000	Telephone	0	\$ 11,264 \$	7,723 \$	2,661 \$		\$ 13,445 S			14,692 \$	15,132 \$		16,054 S		17,032	
Public Works	Pumping & Treatment	481.30.392.5430.0000	Building Maintenance Services	О	S - S	65 \$	685 S	3,000	\$ 6,000 \$	6,180	6,365 \$	6,556 \$	6,753 \$	6,956	7,164	5 7,379 \$	7,601	\$ 7,829
Public Works	Pumping & Treatment	481.30.392.5461.0000	Utilities	0	\$ 41,011 \$	40,456 \$	55,435 \$		\$ 50,000 \$			54,636 \$	56,275 \$	57,964 \$	59,703	\$ 61,494 \$	63,339	
Public Works Public Works	Pumping & Treatment Pumping & Treatment	481.30.392.5470.0000 481.30.392.5650.0001	Other Equipment Repair and Maintenance Transfer To ISFs For Allocation	0	\$ 1,188 \$ \$ 2,688 \$	100 \$ 2.748 \$	2,792 \$ 2.748 \$		\$ 8,000 S \$ 2,631 S	8,240 S 8 2,710 S		8,742 \$ 2,875 \$	9,004 \$ 2,961 \$	9,274 S	9,552 S 3,141 S	\$ 9,839 \$ \$ 3,236 \$	3.333	
Public Works	Pumping & Treatment Pumping & Treatment	481.30.392.5650.0001	Transfer To ISFs For Allocation	o	\$ 2,000 \$	2,100 \$	2,100 \$	250	\$ 250 \$	258	2,791 3	273 \$	2,901 \$	290 5	299	\$ 3,230 S	3,333	
Public Works	Pumping & Treatment	481.30.392.5650.0003	Transfer To ISFs For Allocation	O	\$ 16,836 \$	5,904 \$	13,128 \$	5,935	\$ 7,465 \$	7,689	7,920 \$	8,158 \$	8,402 \$	8,654	8,914 5	\$ 9,181 \$	9,457	\$ 9,741
Public Works Public Works	Pumping & Treatment Pumping & Treatment	481.30.392.5760.0000 481.30.392.5850.0000	Improvements Other Than Buildings Buildings	0		- S	- S	,	S - S	- 5	S - \$	- \$	- \$	- 5	- 5	5 - 5	-	S -
Public Works Public Works	Pumping & Treatment Pumping & Treatment	481.30.392.5860.0000 481.30.392.5860.0000	Improvements Other Than Buildings	0	7 7	- S	- S		60,000 S	61,800	63,654 \$	- 8 65,564 \$	67,531 \$	69,556	71,643	\$ - \$ \$ 73,792 \$	76,006	\$ 78,286
B 11' W 1	W	401.00.000.5100.05	-			20 505	30.717 \$					_	_					
Public Works Public Works	Water Distribution Water Distribution	481.30.393.5103.0000 481.30.393.5111.0000	Sick Time Salaries, Non-Exempt	A A	\$ - \$ \$ 266.134 \$	30,709 \$ 251,065 \$	30,717 \$ 334,807 \$,	*	416.599	s - \$ s 429.097 \$	- \$ 441.970 \$	- \$ 455,229 \$	468.886		S - S S 497.441 S	,	
Public Works	Water Distribution	481.30.393.5111.0000	Part-Time Employee Wages	A		9,370 \$	4,310 \$	403,430		12,102	12,465 \$	12,839 \$	13,225 \$	13,621	14,030	\$ 14,451 \$	14,884	\$ 15,331
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Village of Downers Grove Water Rate Study

SCHEDULE 2A . OPERATING & MAINTENANCE EXPENSES

SCHEDULE 2	2A - OPERATING & MAINT	ENANCE EXPENSES																
					1,351,018													
Public Works	Water Distribution	481.30.393.5121.0000	Overtime	A \$	73,069 \$	68,327 \$	54,126 \$	48,000 \$	53,000 \$	54,590 \$	56,228 \$	57,915						69,153
Public Works	Water Distribution	481.30.393.5131.0000	Imrf Pension Contribs	A \$	48,870 \$	52,612 \$	55,617 \$	39,667 \$	65,826 \$	67,801 \$	69,835 \$	71,930 \$						85,888
Public Works	Water Distribution	481.30.393.5133.0000	Medicare Contributions	A \$	5,174 \$	5,212 \$	5,878 \$	6,853 \$	6,920 \$	7,128 \$	7,342 \$	7,562 \$			8,263 \$			9,029
Public Works	Water Distribution	481.30.393.5134.0000	Social Security Contributions	A \$	22,127 \$	22,287 \$	25,134 \$	29,300 \$	29,590 \$	30,478 \$	31,392 \$	32,334 \$			35,332 \$			38,608
Public Works	Water Distribution	481.30.393.5167.0000	Compensated Absences	A \$	1,024 \$	8,995 \$	12,134 \$	- \$	- \$	- \$	- \$	- 5	- 5		- 5	s - s	- S	-
Public Works	Water Distribution	481.30.393.5190.0000	Life Insurance	A \$	635 \$	732 \$	1,440 \$	1,775 \$	1,611 \$	1,659 \$	1,709 \$	1,760			1,924 \$	\$ 1,981 \$	2,041 \$	2,102
Public Works	Water Distribution	481.30.393.5191.0000	Health Insurance	A \$	74,678 \$	84,627 \$	86,557 \$	98,888 \$	100,634 \$	103,653 \$	106,762 \$	109,965					127,480 \$	131,304
Public Works	Water Distribution	481.30.393.5195.0000	Optical Insurance	A S	1,031 \$	1,051 \$	709 \$	808 \$	750 \$	773 \$	796 \$	820 \$			896 \$		950 \$	979
Public Works	Water Distribution	481.30.393.5197.0000	Dental Insurance	0 \$	7,114 \$	8,210 \$	8,826 \$	9,938 \$	9,332 \$	9,612 \$	9,900 \$	10,197			11,142 \$			12,176
Public Works	Water Distribution	481.30.393.5205.0000	Uniforms	0 \$	2,933 \$	2,773 \$	3,017 \$	4,760 \$	4,760 \$	4,903 \$	5,050 \$	5,201 \$						6,211
Public Works	Water Distribution	481.30.393.5210.0000	Supplies	0 \$	1,664 \$	1,590 \$	6,710 \$	2,000 \$	2,000 \$	2,060 \$	2,122 \$	2,185 \$						2,610
Public Works	Water Distribution	481.30.393.5251.0000	Maintenance Supplies	0 \$	12,581 \$	49,226 \$	42,578 \$	56,450 \$	61,450 \$	63,294 \$	65,192 \$	67,148 \$			73,375			80,178
Public Works	Water Distribution	481.30.393.5257.0000	Trans & Distribution Supplies-New Constr	0 \$	69,882 \$	73,997 \$	45,381 \$ 9.725 \$	40,000 \$	48,455 \$	49,909 \$	51,406 \$	52,948 \$			57,858 \$			63,223
Public Works	Water Distribution	481.30.393.5258.0000	Transmission & Distribution Maintenance	0 \$	49,222 \$	7,350 \$		15,000 \$	25,126 \$	25,880 \$	26,656 \$	27,456 \$		29,128 5			31,829 \$	32,784
Public Works	Water Distribution	481.30.393.5259.0000	Hydrant Maintenance Supplies	0 \$	44,708 \$	31,261 \$	47,562 \$	42,000 \$	68,499 \$	70,554 \$	72,671 \$	74,851 \$			81,791			89,376
Public Works	Water Distribution	481.30.393.5270.0000	Asset Maintenance Supplies	0 \$	241 \$	- \$	- \$	6 \$	- \$	- \$	- 3	10002	- 5		17.552 6	\$ - \$		-
Public Works Public Works	Water Distribution Water Distribution	481.30.393.5280.0000	Small Tools & Equipment Dues And Memberships	O \$	5,241 \$ 50 \$	7,121 \$ 90 \$	4,470 \$	21,091 \$ 50 \$	14,700 \$ 100 \$	15,141 \$ 103 \$	15,595 \$ 106 \$	16,063 S				\$ 18,079 \$ \$ 123 \$		19,180
		481.30.393.5302.0000					- S										1.773 \$	130
Public Works Public Works	Water Distribution Water Distribution	481.30.393.5303.0000 481.30.393.5315.0000	Seminars, Conferences & Meetings Professional Services	O \$	2,033 \$ 34.670 \$	1,249 \$ 194,692 \$	120 \$ 207,271 \$	1,400 \$ 140,830 \$	1,400 \$ 278,150 \$	1,442 \$ 303,150 \$	1,485 \$ 328,150 \$	1,530 S						1,827 403,583
		481.30.393.5313.0000		0 5	34,670 \$ 180 \$	194,692 \$			2/8,130 \$ 120 \$	303,150 \$ 124 \$	328,130 3 127 \$	337,993 3					391,828 \$ 152 \$	403,383
Public Works Public Works	Water Distribution Water Distribution	481.30.393.5322.0000	Personnel Recruitment Telephone	0 5	3.895 \$	2.739 \$	- \$ 1.810 \$	- \$ 1.810 \$	2.780 \$	2.863 \$	2.949 \$	3.038 5	3.129 5	3.223				3.627
Public Works	Water Distribution Water Distribution	481.30.393.5431.0000	Contracted Services	0 5	3,893 \$	10.484 \$	1,810 S	1,810 \$	2,780 S	- \$	2,949 3	3,038 3	5 3,129 3	5 3,223 3		5 3,419 5 S - S	3,322 \$ - \$	3,027
Public Works	Water Distribution	481.30.393.5455.0000	Waste Disposal	0 5	40,052 \$	41.700 \$	40.840 \$	28,750 \$	52,500 \$	54.075 \$	55,697 \$	57.368 \$	59,089	60,862	62,688	s 64.568 \$	66,505 \$	68,501
Public Works	Water Distribution Water Distribution	481.30.393.5470.0000	Other Equipment Repair and Maintenance	0 5	78,492 \$	64,194 \$	131,283 \$	28,750 \$ 15,000 \$	277,950 \$	286,289 \$	294.877 \$	303,723						362,662
Public Works	Water Distribution	481.30.393.5481.0000	Rentals	0 5	2,247 \$	5.197 \$	1.088 \$	2,500 \$	5,000 \$	5,150 \$	5,305 \$	5,464						6,524
Public Works	Water Distribution	481.30.393.5650.0001	Transfer To ISFs For Allocation	0 5	33.636 \$	35,112 \$	29.160 \$	44.747 \$	45,122 \$	46,476 \$	47.870 \$	49,306						58,874
Public Works	Water Distribution	481.30.393.5650.0001	Transfer To ISFs For Allocation	0 5	37.164 \$	36,648 \$	43,824 \$	26,540 \$	34.849 \$	35,894 \$	36,971 \$	38,080 \$	39,223		41.611		44,145 \$	45,470
Public Works	Water Distribution	481.30.393.5740.0000	Infrastructure	0 5	1,275 \$	- S	- \$	- S	- S	- \$	- 5		5 - 5			S - S		
Public Works	Water Distribution	481.30.393.5770.0000	Capital Equipment	0 5	23.361 \$	- S	1.042 \$	2,700 \$	2,700 \$	2.781 \$	2.864 \$	2,950 \$					3.420 S	3,523
Public Works	Water Distribution	481.30.393.5902.0000	Misc Transfers	0 5	666.585 \$	- \$	- \$	- \$	- \$	- \$	2,001	2,550	, 5,05, 6	5,150	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5 - 5	5,120 5	5,525
r done works	Water Distribution	101.50.595.5902.0000	Total Operating & Maintenance Expenses	\$	6,406,952 \$	5,803,767 \$	7.054.250 \$	7,548,011 \$	8,180,707 \$	8,764,289 \$	9,394,053	10,040,085	10.741.918	11,504,870	12,334,780	\$ 13.238.063 \$	14.221.769 \$	15,293,642
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			Summary by Budget Category															
			Billing / Customer Service		168,750	178,699	623,418	206,885	204,158	210,283	216,591	223,089	229,781	236,675	243,775	251,088	258,621	266,380
			Administration		1,470,861	1,570,180	1,608,790	1,667,962	1,739,346	1,791,526	1,845,272	1,900,630	1,957,649	2,016,379	2,076,870	2,139,176	2,203,351	2,269,452
			Pumping and Treatment		182,388	172,058	182,554	473,117	327,664	357,999	388,569	400,226	412,233	424,600	437,338	450,458	463,972	477,891
			Water Distribution		1,624,154	1,108,714	1,236,136	1,198,919	1,609,539	1,674,481	1,740,621	1,792,840	1,846,625	1,902,023	1,959,084	2,017,857	2,078,392	2,140,744
			Water Purchase		2,960,799	2,774,116	3,403,352	4,001,127	4,300,000	4,730,000	5,203,000	5,723,300	6,295,630	6,925,193	7,617,712	8,379,484	9,217,432	10,139,175
					\$6,406,952	\$5,803,767	\$7,054,250	\$7,548,011	\$8,180,707	\$8,764,289	\$9,394,053	\$10,040,085	\$10,741,918	\$11,504,870	\$12,334,780	\$13,238,063	\$14,221,769	\$15,293,642
									8.4%	7.1%	7.2%	6.9%	7.0%	7.1%	7.2%	7.3%	7.4%	7.5%
			Administrative vs. Operating															
			Total Administrative O&M Expenses	A \$	993,471 \$	1,091,258 \$	1,128,524 \$	1,166,453 \$	1,258,671 \$	1,296,431 \$	1,335,324 \$	1,375,384	1,416,646	1,459,145	1,502,919	\$ 1,548,007 \$	1,594,447 \$	1,642,281
			Total Operating O&M Expenses	O \$	5,413,480 \$	4,712,509 \$	5,925,726 \$	6,381,558 \$	6,922,036 \$	7,467,857 \$	8,058,729 \$	8,664,701	9,325,273	10,045,725	10,831,860	\$ 11,690,056 \$	12,627,322 \$	13,651,361

SCHEDULE 2B - DUPAGE WATER PURCHASE

	2009	2010		2011	2012		2013	2014	2015		2016	2017	2018		2019	2020
Account Name	Actuals	Adopted]	Projection	Projection		Projection	Projection	Projection	I	Projection	Projection	Projection	F	rojection	Projection
Water Purchase - Fixed Charges	\$ 504,000 \$	504,000	\$	504,000 \$	554,40) \$	609,840 \$	670,824	\$ 737,906	\$	811,697 \$	892,867	\$ 982,153	\$	1,080,369 \$	1,188,406
Water Purchase - Variable Charges	\$ 2,899,352 \$	3,497,127	\$	3,796,000 \$	4,175,60) \$	4,593,160 \$	5,052,476	\$ 5,557,724	\$	6,113,496 \$	6,724,846	\$ 7,397,330	\$	8,137,063 \$	8,950,769
Total Water Purchase	\$ 3,403,352 \$	4.001.127	\$	4.300,000 \$	4,730,00) \$	5,203,000 \$	5,723,300	\$ 6,295,630	\$	6.925.193 \$	7,617,712	\$ 8,379,484	\$	9.217.432 \$	10,139,175

SCHEDULE 3 - OPERATING & MAINTENANCE RESERVE

	20	10	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
O&M Expenses	\$ 7,	548,011 \$	8,180,707 \$	8,764,289 \$	9,394,053 \$	10,040,085 \$	10,741,918 \$	11,504,870 \$	12,334,780 \$	13,238,063 \$	14,221,769 \$	15,293,642
Target Balance (90 days operating) Begin Year Balance		,861,153 \$,291,968 \$	2,017,161 \$ 1,183,775 \$	2,161,058 \$ 1,169,113 \$	2,316,342 \$ 1,101,606 \$	2,475,637 \$ 1,054,911 \$	2,648,692 \$ 1,353,269 \$	2,836,817 \$ 2,151,573 \$	3,041,453 \$ 203,138 \$	3,264,180 \$ (2,256,140) \$	3,506,737 \$ (4,409,260) \$	3,771,035 (5,907,595)
Reserve Withdrawals Water O&M Reserve Contribution	\$ \$	- \$ - \$	- \$ 100.000 \$	- \$ 100,000 \$	- \$ 100,000 \$	- \$ 100,000 \$	- \$ 100,000 \$	- \$ 100,000 \$	- \$ 100.000 \$	- \$ 100,000 \$	- \$ 100.000 \$	100,000

SCHEDULE 4 - EXISTING DEBT SERVICE

Debt Issue		2010	2011	2012	2013	2014	2015	2016	2017	2	2018	2019	2020
Series 2001A (to finance AMR)	Principal \$	450,000 \$	470,000 \$	485,000 \$	-	\$ - :		\$ - \$	-	\$	- \$	-	\$ -
Series 2001A (to finance AMR)	Interest \$	53,708 \$	33,003 \$	11,155 \$	-	\$ - :	-	\$ - \$	-	\$	- \$	-	\$ -
Total Debt Service Payment	\$	503,708 \$	503,003 \$	496,155 \$	-	\$ - :	-	\$ - \$	-	\$	- \$	-	\$ -
Total Principal Payment	\$	450,000 \$	470,000 \$	485,000 \$	-	\$ - :	-	\$ - \$	-	\$	- \$	-	\$ -
Total Interest Payment	\$	53.708 \$	33.003 \$	11.155 \$	_	\$ - !		\$ - 5		\$	- s	_	s -

SCHEDULE 5 - CAPITAL IMPROVEMENT PLAN

			Project														Total
Project Code		Fund	Type	2010	2011		2012	2013	2014	2015	2016	2017	2018	201	9	2020	FY 10 - FY 20
WA-015	Watermain Replacement, School Street	481		\$ 142,188												5	142,188
WA-017	Watermain Replacement, Curtiss (Katrine to Belmont)	481	INF			\$	650,000									5	650,000
WA-018	Watermain Replacement, Wisconsin (Walnut to Janes)	481	INF			\$	650,000									5	650,000
WA-019	Watermain Replacement, Esterbrook Subdivision, Unit 1	481	INF			\$	730,000									5	730,000
WA-020	Watermain Replacement, Dawn Place & Stanley Avenue	481		\$ 159,962												5	159,962
WA-021	Watermain Replacement, Sheldon (Florence to Cumnor)	481		\$ 479,886												5	479,886
WA-022	Watermain Replacement, Stanley (Prairie to Rogers)	481		\$ 231,056												5	231,056
WA-023	Watermain Replacement, Lee (Grant to Chicago)	481	INF			\$	235,000									5	235,000
WA-024	Watermain Replacement, Snowberry (Downers to End)	481	INF			\$	175,000									5	175,000
WA-025	Watermain Replacement, 40th (Sterling to Fairview)	481	INF			\$	350,000									5	350,000
WA-026	Watermain Interconnections	481	INF			\$	650,000									5	650,000
WA-028	Watermain Replacement, Annual Element	481	INF			\$	1,600,000 \$	2,340,000 \$	2,925,000 \$	3,400,000						5	10,265,000
WA-029	Watermain Relocation, Tollway Widening	481	INF						\$	500,000						5	500,000
WA-031	Water Meter Replacement Program		CAP	\$	100,000		200,000									5	300,000
WA-032	Watermain Replacement, KKnottingham		INF	\$	125,000	\$	600,000									5	725,000
WP-003	Water Tank Painting, Summit	481	BLD				\$	600,000								5	600,000
WP-005	Water Tank Painting, Maple	481	BLD	\$	60,000	\$	600,000									5	660,000
WP-006	Storage Building Installation, Maple Tower	481	BLD			\$	225,000									5	225,000
WP-007	Water Tank Painting, Finley	481	BLD				\$	60,000 \$	600,000							5	660,000
WP-009	Water System SCADA Improvements	481	SOFT	\$ 100,000		\$	120,000									5	220,000
	Automated Meter Reading		CAP						\$	1,700,000 \$	1,750,000					5	3,450,000
						_						_					
	Total Capital Improvement Projects			\$ 1,113,093 \$	285,000		6,785,000 \$	3,000,000 \$	3,525,000 \$	5,600,000 \$	1,750,000 \$	- \$		\$	- \$	- \$	22,058,093
			check	\$1,113,093	\$285,000		\$6,785,000	\$3,000,000	\$3,525,000	\$5,600,000	\$1,750,000	\$0		\$ <i>0</i>	\$0	\$0	
	Capital Projects By Type																
	Buildings		BLD	\$ - \$	60,000	\$	825,000 \$	660,000 \$	600,000 \$	- \$	- \$	- S	_	\$	- \$	- 5	2,145,000
	Capital Work in Progress		CWIP	\$ - \$		\$	- \$	- \$	- \$	- \$	- \$	- \$	_	\$	- \$	- 5	
	Capital Equipment		CAP	\$ - \$	100,000	\$	200,000 \$	- \$	- \$	1.700,000 \$	1.750.000 \$	- S	_	\$	- \$	- 5	3,750,000
	Improvements		IMP	\$ - \$	-	\$	- \$	- \$	- \$	- \$	- \$	- \$	-	\$	- \$	- 5	-
	Infrastructure		INF	\$ 1,013,093 \$	125,000	\$	5,640,000 \$	2,340,000 \$	2,925,000 \$	3,900,000 \$	- \$	- \$	-	\$	- \$	- 5	15,943,093
	Software		SOFT	\$ 100,000 \$	-	\$	120,000 \$	- \$	- \$	- \$	- \$	- \$	_	\$	- \$	- 5	220,000
	Vehicles		VEH	\$ - \$	-	\$	- \$	- \$	- \$	- \$	- \$	- \$	-	\$	- \$	- 5	-
				\$ 1,113,093 \$	285,000	\$	6,785,000 \$	3,000,000 \$	3,525,000 \$	5,600,000 \$	1,750,000 \$	- \$	-	\$	- \$	- 5	22,058,093

SCHEDULE 6A - CASH FUNDED CAPITAL IMPROVEMENT PROJECTS

			Project																				Total
Project Code	Project	Fund	Type		2010	2011	2012		2013	2014		2015		2016	2017		2018		2019		2020	FY	10 - FY 20
WA-015	Watermain Replacement, School Street	481	INF	\$	142,188 \$	-	\$ -		- \$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	142,188
WA-017	Watermain Replacement, Curtiss (Katrine to Belmont)	481	INF	\$	- \$	-	\$ 117,00		- \$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	117,000
WA-018	Watermain Replacement, Wisconsin (Walnut to Janes)	481	INF	\$	- \$	-	\$ 117,00		- \$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	117,000
WA-019	Watermain Replacement, Esterbrook Subdivision, Unit 1	481	INF	\$	- \$	-	\$ 131,40) \$	- \$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	131,400
WA-020	Watermain Replacement, Dawn Place & Stanley Avenue	481	INF	\$	159,962 \$	-	\$ -	\$	- \$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	159,962
WA-021	Watermain Replacement, Sheldon (Florence to Cumnor)	481	INF	\$	479,886 \$	-	\$ -	\$	- \$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	479,886
WA-022	Watermain Replacement, Stanley (Prairie to Rogers)	481	INF	\$	231,056 \$	-	\$ -	\$	- \$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	231,056
WA-023	Watermain Replacement, Lee (Grant to Chicago)	481	INF	\$	- \$	-	\$ 42,30) \$	- \$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	42,300
WA-024	Watermain Replacement, Snowberry (Downers to End)	481	INF	\$	- \$	-	\$ 31,50) \$	- \$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	31,500
WA-025	Watermain Replacement, 40th (Sterling to Fairview)	481	INF	\$	- \$	-	\$ 63,00) \$	- \$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	63,000
WA-026	Watermain Interconnections	481	INF	\$	- \$	-	\$ 117,00) \$	- \$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	117,000
WA-028	Watermain Replacement, Annual Element	481	INF	\$	- \$	-	\$ -	\$	- \$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	-
WA-029	Watermain Relocation, Tollway Widening	481	INF	\$	- \$	-	\$ -	\$	- \$	-	\$	500,000	\$	-	\$ -	\$	-	\$	-	\$	-	\$	500,000
WA-031	Water Meter Replacement Program		CAP	\$	- \$	100,000	\$ 36,00) \$	- \$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	136,000
WA-032	Watermain Replacement, KKnottingham		INF	\$	- \$	125,000	\$ 108,00) \$	- \$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	233,000
WP-003	Water Tank Painting, Summit	481	BLD	\$	- \$	-	\$ -	\$	600,000 \$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	600,000
WP-005	Water Tank Painting, Maple	481	BLD	\$	- \$	60,000	\$ 108,00) \$	- \$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	168,000
WP-006	Storage Building Installation, Maple Tower	481	BLD	\$	- \$	-	\$ 40,50) \$	- \$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	40,500
WP-007	Water Tank Painting, Finley	481	BLD	\$	- \$	-	\$ -	\$	60,000 \$	600,000	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	660,000
WP-009	Water System SCADA Improvements	481	SOFT	\$	100,000 \$	-	\$ 21,60) \$	- \$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	121,600
	Automated Meter Reading		CAP	\$	- \$	-	\$ -	\$	- \$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$	-
	_																						
	Total Cash Funded Capital Improvement Projects				\$1,113,093	\$285,000	\$933,30	00	\$660,000	\$600,000)	\$500,000	\$	-	\$ -	\$	-	\$	-	\$	-	\$	4,091,393
	Capital Projects By Type																						
	Buildings		BLD	S	- \$	60,000	\$ 148,50) \$	660,000 \$	600,000	\$	_	\$	_	\$ _	\$	_	\$	-	\$	_	\$	1,468,500
	Capital Work in Progress		CWIP	s	- \$	-		\$	- S	-	\$	_	\$	_	\$ _	\$	_	\$	-	\$	_	\$	-
	Capital Equipment		CAP	s	- \$	100,000	\$ 36.00) \$	- S	-	s	_	s	_	\$ _	s	-	s	-	s	_	\$	136,000
	Improvements		IMP	s	- \$	-	\$ -	\$	- S	_	\$	_	\$	_	\$ _	\$		\$		\$	_	\$	-
	Infrastructure		INF	s	1,013,093 \$	125,000	\$ 727,20) \$	- S	_	\$	500,000	\$	_	\$ _	\$		\$		\$	_	\$	2,365,293
	Software		SOFT	s	100,000 \$	-	\$ 21,60		- S	_	\$,	\$	_	\$ _	\$		\$		\$	_	\$	121,600
	Vehicles		VEH	s	- \$	_	\$ -	\$	- S	_	\$	_	\$	_	\$ _	\$		\$		\$	_	\$	-
				\$	1,113,093 \$	285,000	\$ 933,30) \$	660,000 \$	600,000	\$	500,000	\$	-	\$ -	\$	-	S	-	\$	_	\$	4,091,393

SCHEDULE 6B - BOND FUNDED CAPITAL IMPROVEMENT PROJECTS

roject Code	Project	Fund	Project Type	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		2020	FY	Total Y 10 - FY 20
WA-015	Watermain Replacement, School Street	481	INF \$	S - \$	-	\$ - \$	- \$	- \$	- \$	- \$	-	\$ -	\$	- \$	-	\$	-
WA-017	Watermain Replacement, Curtiss (Katrine to Belmont)	481	INF \$	s - \$	-	\$ 533,000 \$	- \$	- \$	- \$	- \$	-	\$ -	\$	- \$	-	\$	533,00
WA-018	Watermain Replacement, Wisconsin (Walnut to Janes)	481	INF \$	s - \$	-	\$ 533,000 \$	- \$	- \$	- \$	- \$	-	\$ -	\$	- \$	-	\$	533,0
WA-019	Watermain Replacement, Esterbrook Subdivision, Unit 1	481	INF \$	s - \$	-	\$ 598,600 \$	- \$	- \$	- \$	- \$	-	\$ -	\$	- \$	-	\$	598,60
VA-020	Watermain Replacement, Dawn Place & Stanley Avenue	481	INF \$	s - 9	-	\$ - \$	- \$	- \$	- \$	- \$	-	\$ -	\$	- \$	_	\$	-
WA-021	Watermain Replacement, Sheldon (Florence to Cumnor)	481	INF \$	s - \$	-	\$ - \$	- \$	- \$	- \$	- \$	-	\$ -	\$	- \$	-	\$	-
WA-022	Watermain Replacement, Stanley (Prairie to Rogers)	481	INF \$	s - \$	-	\$ - \$	- \$	- \$	- \$	- \$	-	\$ -	\$	- \$	-	\$	-
WA-023	Watermain Replacement, Lee (Grant to Chicago)	481	INF \$	s - \$	-	\$ 192,700 \$	- \$	- \$	- \$	- \$	-	\$ -	\$	- \$	-	\$	192,7
VA-024	Watermain Replacement, Snowberry (Downers to End)	481	INF \$	s - 9	-	\$ 143,500 \$	- \$	- \$	- \$	- \$	-	\$ -	\$	- \$	_	\$	143,5
VA-025	Watermain Replacement, 40th (Sterling to Fairview)	481	INF \$	s - \$	-	\$ 287,000 \$	- \$	- \$	- \$	- \$	-	\$ -	\$	- \$	-	\$	287,0
VA-026	Watermain Interconnections	481	INF \$	s - \$	-	\$ 533,000 \$	- \$	- \$	- \$	- \$	-	\$ -	\$	- \$	-	\$	533,0
VA-028	Watermain Replacement, Annual Element	481	INF \$	S - S	_	\$ 1,600,000 \$	2.340,000 \$	2,925,000 \$	3,400,000 \$	- \$	_	\$ -	S	- \$	_	\$	10,265,0
VA-029	Watermain Relocation, Tollway Widening	481	INF \$	S - S	_	\$ - \$	- \$	- \$	- S	- \$	_	\$ -	s	- \$	_	\$	-,,-
VA-031	Water Meter Replacement Program		CAP \$	S - S	_	\$ 164,000 \$	- \$	- \$	- S	- \$	_	\$ -	s	- \$	_	\$	164,0
WA-032	Watermain Replacement, KKnottingham		INF \$	S - S	_	\$ 492,000 \$	- \$	- \$	- S	- \$	_	\$ -	s	- \$	_	\$	492,0
WP-003	Water Tank Painting, Summit	481	BLD \$	S - S	_	\$ - \$	- \$	- S	- S	- S	-	\$ -	S	- S	_	\$	
WP-005	Water Tank Painting, Maple	481	BLD \$	s - s		\$ 492,000 \$	- \$	- \$	- S	- S	-	\$ -	S	- \$	_	\$	492.0
WP-006	Storage Building Installation, Maple Tower	481	BLD \$		_	\$ 184,500 \$	- \$	- \$	- S	- S	-	\$ -	S	- \$	_	\$	184,5
VP-007	Water Tank Painting, Finley	481	BLD \$	s - s		\$ - \$	- \$	- \$	- S	- S	-	\$ -	S	- \$	_	\$,
WP-009	Water System SCADA Improvements	481	SOFT \$	· - §		\$ 98,400 \$	- \$	- \$	- \$	- s	_	\$ -	S	- \$	_	\$	98,4
	Automated Meter Reading		CAP \$			\$ - \$	- \$	- \$	1,700,000 \$	1,750,000 \$	-	\$ -	\$	- \$	-	\$	3,450,0
	Total Bond Funded Capital Improvement Projects			\$0	\$0	\$5,851,700	\$2,340,000	\$2,925,000	\$5,100,000 \$	1,750,000 \$	-	\$ -	\$	- \$	-	\$	17,966,7
		Total															
	Future Debt By Future Series Bond	Funded															
	Bond 1		116,700 \$	s - s	-	\$ 5,851,700 \$	2,340,000 \$	2,925,000 \$	- \$	- \$	-	\$ -	\$	- \$	-		
	Bond 2	\$ 6,	850,000 \$	S - S	-	\$ - \$	- \$	- \$	5,100,000 \$	1,750,000 \$	-	\$ -	\$	- \$	-		
	Bond 3	\$	- S	S - S	-	\$ - \$	- \$	- \$	- \$	- \$	-	\$ -	\$	- \$	-		
	Bond 4	\$	- S	S - S	-	\$ - \$	- \$	- \$	- \$	- \$	-	\$ -	\$	- \$	-		
	Bond 5	\$	- S	,	-	\$ - \$	- \$	- \$	- \$	- \$	-	\$ -	\$	- \$	-		
		\$ 17,	966,700 \$	s - s	-	\$ 5,851,700 \$	2,340,000 \$	2,925,000 \$	5,100,000 \$	1,750,000 \$		\$ -	\$	- \$	-	_	
	Capital Projects By Type																
	Buildings		BLD \$	s - s	_	\$ 676,500 \$	- \$	- S	- S	- \$	_	s -	\$	- \$	_	\$	676.
			CWIP \$			\$ 070,500 \$ \$ - \$	- \$	- \$	- S	- \$	_	\$ -	S	- \$	_	\$	0.0,
	Capital Work in Progress						7	-		1,750,000 \$		I	-	- \$		s	3,614,
	Capital Work in Progress Capital Equipment				_	\$ 164.000 \$	- \$	- S	1.700.000 \$		-	S -	S		-		
	Capital Equipment		CAP \$	S - S			7	Ψ	-,, +		-	\$ - \$ -	-	-		-	
	Capital Equipment Improvements		CAP \$ IMP \$	- S	-	s - s	- \$	- \$	- \$	- \$	-	\$ - \$ -	\$	- \$	-	\$	13 577
	Capital Equipment Improvements Infrastructure		CAP \$ IMP \$ INF \$	- S S - S	-	\$ - \$ \$ 4,912,800 \$	- \$ 2,340,000 \$	- \$ 2,925,000 \$	- \$ 3,400,000 \$	- \$ - \$	-	\$ -	\$	- \$ - \$	-	\$	
	Capital Equipment Improvements		CAP \$ IMP \$	- S - S - S - S	-	s - s	- \$	- \$	- \$			\$ - \$ - \$ - \$ -	\$ \$ \$	- \$	-	\$	13,577,8 98,4

SCHEDULE 7 - PROJECTED DEBT

	2010	2011	2012	2013	2014	2015 2016	2017	2018	2019 2020
Bond Series	\$ -	\$ -	Bond 1 \$	- \$	-	Bond 2 \$	- Bond 3	\$ -	Bond 4 \$ -
Projected Debt	\$ -	\$ - \$	11,116,700 \$	- \$	- \$	6,850,000 \$	- \$ -	\$ - \$	- \$ -
Debt Subtotal	\$ -	\$ - \$	11,116,700 \$	- \$	- \$	6,850,000 \$	- \$ -	\$ - \$	- \$ -
Administrative Costs (% of principal) Administrative Costs Subtotal	0.0%	0.0% \$ - \$	1.5% 166,751 \$	0.0%	0.0%	1.5% 0.0% 102,750 \$		0.0% \$ - \$	1.5% 0.0%
Total Debt	\$ -	\$ - \$	11,283,451 \$	- \$	- \$	6,952,750 \$	- \$ -	\$ - \$	
Debt Service Interest Rate Period (years)	0.0%	0.0%	5.0% 20	0.0%	0.0%	5.0% 0.0% 20 0	5.0% 20	0.0%	5.0% 0.0% 20 0
Total Debt Service Principal Portion Interest Portion	-	-	905,413 564,173 341,241	- - -	- - -	557,907 347,638 210,269		- - -	
Payment Schedule Year Funded	1 2010	2011	2012	2013	2014	2015 2016	2017	2018	2019 2020
Bond 1 2012 Bond 2 2015 Bond 3 2017 Bond 4 2019 Bond 5 2021	\$ - \$ - \$ - \$ - \$ -	\$ - \$ \$ - \$ \$ - \$ \$ - \$	- \$ - \$ - \$ - \$ - \$	905,413 \$ - \$ - \$ - \$ - \$	905,413 \$ - \$ - \$ - \$ - \$		5,413 \$ 905,413 7,907 \$ 557,907 - \$ - - \$ - - \$ -		
Total Payment per Year	\$ -	\$ - \$	- \$	905,413 \$	905,413 \$	905,413 \$ 1,463	3,320 \$ 1,463,320	\$ 1,463,320 \$	1,463,320 \$ 1,463,320

SCHEDULE 8 - INTEREST INCOME

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Cash Investments	\$ 2,312,236 \$	1,183,775 \$	1,216,389 \$	1,148,883 \$	1,583,457 \$	2,429,017 \$	3,666,748 \$	5,274,003 \$	7,405,110 \$	10,078,165 \$	13,452,199 \$	17,526,324
Interest Earned on Investments		1.00%	1.00%	1.00%	1.00%	2.00%	2.00%	3.00%	3.00%	4.00%	4.00%	4.00%
TOTAL	\$ - \$	11,838 \$	12,164 \$	11,489 \$	15,835 \$	48,580 \$	73,335 \$	158,220 \$	222,153 \$	403,127 \$	538,088 \$	701,053

SCHEDULE 9 - MISCELLANEOUS REVENUES

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	Actuals	Actuals	Actuals	Adopted	Projection	Projection	Projection	Projection						
Interest on Investments	\$ 319,518 \$	239,321 \$	99,030	\$ 26,000	\$ 11,838	\$ 12,164	\$ 11,489	\$ 15,835	\$ 48,580	\$ 73,335	\$ 158,220 5	\$ 222,153 \$	403,127 \$	538,088
Watering Permit Fee	\$ 1,110 \$	930 \$	1,170	\$ 1,600	\$ 2,716	\$ 2,797	\$ 2,881	\$ 2,968	\$ 3,057	\$ 3,149	\$ 3,243 5	\$ 3,340 \$	3,441 \$	3,544
Miscellaneous Revenues	\$ 3,012,957 \$	- \$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ - 5	\$ - \$	- \$	-
Admin Citation Fee	\$ 75 \$	- \$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ - 5	\$ - \$	- \$	-
Water Shut-Off Fee	\$ 39,530 \$	47,112 \$	36,344	\$ 18,000	\$ 36,000	\$ 37,080	\$ 38,192	\$ 39,338	\$ 40,518	\$ 41,734	\$ 42,986 5	\$ 44,275 \$	45,604 \$	46,972
Review & Inspection Fees	\$ 15,335 \$	10,295 \$	7,060	\$ 6,000	\$ 10,000	\$ 10,300	\$ 10,609	\$ 10,927	\$ 11,255	\$ 11,593	\$ 11,941 5	\$ 12,299 \$	12,668 \$	13,048
Costs Recovered for Services	\$ (5,078) \$	1,432 \$	1,416	\$ 1,800	\$ 1,200	\$ 1,236	\$ 1,273	\$ 1,311	\$ 1,351	\$ 1,391	\$ 1,433 5	\$ 1,476 \$	1,520 \$	1,566
Water System Capacity Charge	\$ 80,087 \$	57,273 \$	33,000	\$ 25,000	\$ 38,000	\$ 39,140	\$ 40,314	\$ 41,524	\$ 42,769	\$ 44,052	\$ 45,374 5	\$ 46,735 \$	48,137 \$	49,581
Water System Connection Charge	\$ 125,628 \$	96,565 \$	38,554	\$ 40,000	\$ 40,000	\$ 41,200	\$ 42,436	\$ 43,709	\$ 45,020	\$ 46,371	\$ 47,762 \$	\$ 49,195 \$	50,671 \$	52,191
Water meter & Mike Sales	\$ 113,461 \$	71,773 \$	30,964	\$ 30,000	\$ 35,000	\$ 36,050	\$ 37,132	\$ 38,245	\$ 39,393	\$ 40,575	\$ 41,792 5	\$ 43,046 \$	44,337 \$	45,667
Penalties, etc.	\$ 150,000 \$	150,000 \$	150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000 \$	\$ 150,000 \$	150,000 \$	150,000
Federal, Capital Grants	\$ - \$	- \$	-	\$ 88,483	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ - 5	\$ - \$	- \$	-
Total Miscellaneous Revenues	\$ 3,852,623 \$	674,701 \$	397,538	\$ 386,883	\$ 324,754	\$ 329,967	\$ 334,326	\$ 343,857	\$ 381,944	\$ 412,199	\$ 502,750 \$	\$ 572,519 \$	759,504 \$	900,656

Model Index SCHEDULE 10A -CAPITAL ASSET RAW DATA

Village of Downers Grove Water Rate Study

Asset #	Description	Asset Status	Asset Clas	is Asset Category	Asset Life	P Column	Acquire Date	Acquisition Year	Replacement	Original Cost	Accumulated	Current Depreciation	Book Value	Last Depreciation	Age Useful Life	Replacement Year	ENR Historical Value	May 2010 ENR	Replacement Cost	
000226	PUMP HOUSE BUILT 1962	Δ	bldg	Buildings	60	n	7/1/1963	1963	Decade 2030	\$12,683.58	Depreciation \$12,683.58	\$143.22	\$0.00	Date 12/31/2008	47 60	2023	901	8761		Depreciated Value)
000228	PARK STREET RESERVOIR	A	bldg	Buildings	60	D D	7/1/1903	1927	1990	\$43,293.00	\$43,293.00	\$0.00	\$0.00	12/31/2008	83 60	1987	206	8761		
000229	PUMP HOUSE BUILT 1952	A	bldg	Buildings	60	p	7/1/1952	1952	2020	\$10,972.80	\$10,972.80	\$0.00	\$0.00	4/30/2005	58 60	2012	569	8761		-
000228	PUMP HOUSE BUILT 1957	A	bldg	Buildings	60	p	7/1/1957	1957	2020	\$12,764.71	\$12,764.71	\$0.00	\$0.00	4/30/2006	53 60	2017	724	8761		
000230	PUBLIC WORKS 5101 WALNUT 4 PARCELS	A	bldg	Buildings	60	p	6/7/1997	1997	2060	\$5,547,253.00	\$1,395,920.06	\$110,948.76 \$637.94	\$4,151,332.94	12/31/2009	13 60 32 60	2057 2038	5825 2776	8761 8761		
000220 000219	PUMP HOUSE BUILT 1977 PUMP HOUSE BUILT 1971	A	bldg bldg	Buildings Buildings	60 60	p	7/1/1978 7/1/1972	1978 1972	2040 2040	\$28,701.78 \$20.561.42	\$20,089.63 \$17,132.91	\$637.94 \$457.14	\$8,612.15 \$3,428.51	12/31/2009 12/31/2009	38 60	2038	1753	8761		
000219	PUMP HOUSE BUILT 1969	A	bldg	Buildings	60	p n	7/1/1970	1972	2030	\$18,297.00	\$16,059.13	\$406.89	\$2,237.87	12/31/2009	40 60	2032	1381	8761		
000227	PUMP HOUSE BUILT 1968	A	bldg	Buildings	60	p	7/1/1969	1969	2030	\$15,606.13	\$14,044.07	\$347.13	\$1,562.06	12/31/2009	41 60	2029	1269	8761		
000231	WATER TOWER BASE FIRE # 4	A	bldg	Buildings	60	p	7/30/1984	1984	2050	\$391,000.00	\$220,824.66	\$8,689.80	\$170,175.34	12/31/2009	26 60	2044	4146	8761		
000808	WATER SYSTEM SECURITY ENHANCEMENTS	P	cwip	Cap. Work in Progress		P	12/31/2009	2009	2010	\$13,033.48	\$0.00	\$0.00	\$13,033.48		1 (2009	8570	8761		
000908 000263	2008 FREIGHTLINER MT55/UTILMASTER WATER 29-01 AMR METERS	P	cwip	Cap. Work in Progress Capital Equipment	4	P	11/14/2008 4/30/2004	2008 2004	2010 2010	\$153,185.40 \$417.040.78	\$0.00 \$417,040.78	\$0.00 \$35.448.46	\$153,185.40 \$0.00	12/31/2008	2 (2008 2008	8310 7115	8761 8761		
000203	2003 AMR PROJECT IN TOWN WATER METERS	A	cap	Capital Equipment	4	p D	4/30/2004	2004	2010	\$2,358,021.00	\$2,358,021.00	\$226,732,79	\$0.00	12/31/2008	7 4	2007	6694	8761		
000321	2002 AMR PROJECT IN TOWN WATER METERS	A	cap	Capital Equipment	4	p	4/30/2002	2002	2010	\$1,229,226.00	\$1,229,226.00	\$0.00	\$0.00	4/30/2006	8 4	2006	6538	8761		
000252	67TH ST WATER TANK	A	imp	Improvements	7	p	4/3/2001	2001	2010	\$1,879,167.00		\$71,587.31	\$0.00	12/31/2008	9 7	2008	6342	8761		-
000249	SUMMIT STREET WATER TANK STEEL	A	imp	Improvements	60	p	7/1/1938	1938	2000	\$350,900.00	\$350,900.00	\$0.00	\$0.00	4/30/2006	72 60	1998	236	8761		-
000250	DOWNERS DRIVE WATER TANK STEEL	A	imp	Improvements	60 60	р	7/1/1957	1957	2020	\$548,881.20	\$548,881.20	\$0.00	\$0.00	4/30/2006	53 60 53 60	2017 2017	724 724	8761 8761		
000251 000259	71 ST WATER TANK STEEL DOUGLAS & MAIN WTR IMPROV 60-96	A	imp	Improvements Improvements	60	p	7/1/1957 4/30/2003	1957 2003	2020 2070	\$453,300.00 \$1,105,781.00	\$453,300.00 \$147,413.05	\$0.00 \$22.116.18	\$0.00 \$958,367,95	4/30/2006 12/31/2009	7 60	2063	6694	8761		1.254.297
000259	2000 HYDRANT & WTR IMPROV 04-00	A	imp	Improvements	60	D D	4/30/2003	2003	2070	\$988,655.00	\$151.571.52	\$19,773.63	\$837,083.48	12/31/2009	8 60	2062	6538	8761		
000261	AA- WELL IMPROVEMEMNTS-HIST	A	imp	Improvements	60	p p	4/30/1999	1999	2060	\$19,864.00	\$4,237.17	\$397.29	\$15,626.83	12/31/2009	11 60	2059	6060	8761	\$ 28,718 \$	22,592
000260	AA-WTR TANK IMPROV HISTORY	A	imp	Improvements	60	p	4/30/1999	1999	2060	\$3,161,592.00	\$674,397.21	\$63,233.77	\$2,487,194.79	12/31/2009	11 60	2059	6060	8761		
000262	AA-HYDRANTS & WTR IMPROV HIST	A	imp	Improvements	60	p	4/30/1999	1999	2060	\$714,683.00	\$152,448.60	\$14,294.10	\$562,234.40	12/31/2009	11 60	2059	6060	8761		
000257 000256	MAPLE & BELMONT TANK HIGHLAND/GOOD SAM TANK	A	imp	Improvements Improvements	60 60	p	4/30/1989 4/30/1988	1989 1988	2050 2050	\$1,124,000.00 \$867,000.00	\$464,552.43 \$375,672.85	\$22,481.17 \$17.340.96	\$659,447.57 \$491.327.15	12/31/2009 12/31/2009	21 60 22 60	2049 2048	4615 4519	8761 8761		
000255	04-98 71 ST ST TANK WASHOUT	A	imp	Improvements	7	p D	4/30/1988	2004	2020	\$117,060.00	\$94,706.62	\$16,765.03	\$22,353,38	12/31/2009	6 7	2048	7115	8761		
000248	FINLEY SQUARE WATER TANK STEEL	A	imp	Improvements	60	p	7/1/1970	1970	2030	\$523,300.00	\$459,295.94	\$11,637.10	\$64,004.06	12/31/2009	40 60	2030	1381	8761		
000665	HIGHLAND GOOD SAM TANK PAINTING	A	imp	Improvements	60	P	10/24/2006	2006	2070	\$581,833.48	\$180,877.90	\$58,676.43	\$400,955.58	12/31/2009	4 60	2066	7751	8761		
000874	SCADA SYSTEM RADIO	A	imp	Improvements	15	p	12/31/2008	2008	2030	\$82,473.20	\$5,498.21	\$5,498.21	\$76,974.99	12/31/2009	2 15	2023	8310	8761		
000239 000238	WATERMAIN 1950-1959	A	inf inf	Infrastructure	70 70	p	4/30/1959 4/30/1949	1950 1920	2020 1990	\$1,364,648.00	\$1,364,648.00 \$1,311,876.00	\$9,167.93 \$0.00	\$0.00	12/31/2009	60 70 90 70	2020	510 251	8761 8761		
000238	WATERMAIN UP TO 1949 GIERTZ & WILSON WATERMAIN REPLACEMENT	A A	inf	Infrastructure Infrastructure	70	p D	10/21/2009	2009	2080	\$1,311,876.00 \$707.061.51	\$1,311,876.00	\$2,356.87	\$704,704.64	4/30/2006 12/31/2009	1 70	2079	251 8570	8761		
000891	WATERMAIN REPLACE AUSTIN ST	A	inf	Infrastructure	70	p	10/21/2009	2009	2080	\$323,043.26	\$1,076.81	\$1,076.81	\$321,966.45	12/31/2009	1 70	2079	8570	8761		
000928	ROGERS ST WATERMAIN REPLACE	A	inf	Infrastructure	70	p	11/11/2009	2009	2080	\$640,174.01	\$2,133.91	\$2,133.91	\$638,040.10	12/31/2009	1 70	2079	8570	8761		
000929	ROGERS STREET RESURFACING	A	inf	Infrastructure	70	p	11/4/2009	2009	2080	\$300,000.00	\$1,000.00	\$1,000.00	\$299,000.00	12/31/2009	1 70	2079	8570	8761		305,664
000247	TCE PROJECT	A	inf	Infrastructure	70	р	4/30/2005	2005	2080	\$569,250.00	\$53,117.92	\$11,385.27	\$516,132.08	12/31/2009	5 70	2075 2070	7446 6222	8761 8761		
000244 000246	WATERMAIN 2000-2003 11-03 FAIRVIEW WATERMAIN IMPROVEMENTS	A A	inf	Infrastructure Infrastructure	70 70	p D	4/30/2003	2000 2005	2070 2080	\$987,360.00 \$491,729.88	\$131,626.20 \$50,981.40	\$19,747.70 \$10,927.65	\$855,733.80 \$440,748.48	12/31/2009 12/31/2009	5 70	2075	7446	8761		
000245	12-03 WATERMAIN IMPROVEMENTS	A	inf	Infrastructure	70	p D	4/30/2005	2005	2080	\$737,443.90	\$76,456.44	\$16,388,12	\$660,987.46	12/31/2009	5 70	2075	7446	8761		
000237	04-98 71 ST WATERMAIN IMPROV	A	inf	Infrastructure	70	p	4/30/2004	2004	2080	\$3,625.00	\$456.40	\$80.56	\$3,168.60	12/31/2009	6 70	2074	7115	8761		
000236	30-01 N. BELMONT WTRMAIN	A	inf	Infrastructure	70	p	4/30/2004	2004	2080	\$709,215.07	\$89,289.70	\$15,760.81	\$619,925.37	12/31/2009	6 70	2074	7115	8761		
000243 000242	WATERMAIN 1990-1999 WATERMAIN 1980-1989	A	inf inf	Infrastructure	70 70	p	4/30/1999	1990 1980	2060 2050	\$2,933,505.00 \$2,623,938.00	\$625,743.75 \$1.084.481.42	\$58,671.90 \$52,481.48	\$2,307,761.25 \$1,539,456.58	12/31/2009 12/31/2009	20 70	2060 2050	4732 3237	8761 8761		
000242	WATERMAIN 1970-1979	A A	inf	Infrastructure Infrastructure	70	p	4/30/1989	1970	2030	\$3,768,405.00	\$2,311,131.04	\$75,376.24	\$1,457,273.96	12/31/2009	40 70	2040	1381	8761		9.244.878
000241	WATERMAIN 1960-1969	A	inf	Infrastructure	70	p D	4/30/1969	1960	2030	\$2,718,841.00	\$2,211,149.36	\$54,395.53	\$507,691.64	12/31/2009	50 70	2030	824	8761		5,397,920
000667	WATERMAIN REPLACEMENT CORNELL	A	inf	Infrastructure	70	p	10/4/2006	2006	2080	\$359,395.96	\$22,797.87	\$7,199.96	\$336,598.09	12/31/2009	4 70	2076	7751	8761		380,459
000666	WATERMAIN REPLACEMENT 56TH & WILCOX	A	inf	Infrastructure	70	p	10/26/2006	2006	2080	\$609,970.72	\$37,676.08	\$12,219.82	\$572,294.64	12/31/2009	4 70	2076	7751	8761		646,868
000730 000809	PRAIRIE AVENUE RECONSTRUCTION WATERMAIN IMPROVEMENTS SUMMIT ST	A	inf inf	Infrastructure	70 70	p	12/31/2009	2009 2007	2080 2080	\$502,077.68 \$709.522.88	\$0.00 \$31.534.36	\$0.00 \$15.767.18	\$502,077.68 \$677.988.52	12/21/2000	1 70	2079 2077	8570 7966	8761 8761		513,268 745.651
000809	WATERMAIN REPLACE ELMORE AVE	A	inf	Infrastructure Infrastructure	70	p n	12/31/2007	2007	2080	\$709,522.88	\$31,334.36 \$28.351.34	\$15,767.18 \$14,175.67	\$680,432,32	12/31/2009 12/31/2009	3 70	2077	7966	8761		743,031
000811	WATERMAIN REPLACE MAPLE & 55TH	A	inf	Infrastructure	70	p	12/31/2009	2009	2080	\$1,585,255.08	\$0.00	\$0.00	\$1,692,936.47	.2.5112009	1 70	2079	8570	8761		1,730,667
000813	WATERMAIN REPLACE BROOKBANK RD	A	inf	Infrastructure	70	p	12/31/2008	2008	2080	\$351,663.15	\$7,033.26	\$7,033.26	\$344,629.89	12/31/2009	2 70	2078	8310	8761		
000836	WATERMAIN ACADIA ON THE GREEN	A	inf	Infrastructure	70	p	12/31/2007	2007	2080	\$56,843.40	\$2,273.74	\$1,136.87	\$54,569.66	12/31/2009	3 70	2077	7966	8761		
000873	SUNRIDGE SUB WATERMAIN REPLACEMENT	A	inf	Infrastructure	70 70	p	12/31/2009	2009	2080	\$2,192,192.51	\$0.00 \$0.00	\$0.00 \$0.00	\$2,192,196.76 \$487 775 38		1 70	2079 2079	8570 8570	8761 8761		
000890	59TH STREET WATERMAIN REPLACEMENT WATERMAIN REPLACE CARPENTER ST	A	inf	Infrastructure Infrastructure	70	p	12/31/2009	2009 2008	2080 2080	\$487,775.38 \$809.012.28	\$16.180.25	\$16.180.25	\$487,775.38 \$792.832.03	12/31/2009	2 70	2079	8310	8761		
000392	LAND 5101 WALNUT PW	A	land	Land	70	D D	4/30/1989	1989	1990	\$2,029,747.90	\$0.00	\$0.00	\$2,029,747.90	12/31/2009	21 (1989	4615	8761		
000192	LAND PARCEL PUMPHOUSE DOWNERS DRIVE & OG	A	land	Land		p p	4/30/1988	1988	1990	\$111,570.00	\$0.00	\$0.00	\$111,570.00		22 (1988	4519	8761	\$ 216,301 \$	216,301
000193	LAND PARCEL PUMPHOUSE 35TH & FINLEY	A	land	Land		p	4/30/1988	1988	1990	\$10,700.00	\$0.00	\$0.00	\$10,700.00		22 (1988	4519	8761		
000208	LAND PARCEL PUMPHOUSE 71ST CAMDEN	A	land	Land		p	4/30/1988	1988	1990	\$3,320.00	\$0.00		\$3,320.00		22 (1988 1988	4519 4519	8761 8761		
000209 000210	LAND PARCEL PUMPHOUSE 924 W 67TH ST LAND PARCEL PUMPHOUSE 5233 KATRINE	A	land land	Land Land		p	4/30/1988	1988 1988	1990 1990	\$2,060.00 \$10.00	\$0.00 \$0.00		\$2,060.00 \$10.00		22 (1988	4519 4519	8761 8761		
000210	LAND PARCEL PUMPHOUSE 5233 KATRINE LAND PARCEL 1640 W 63RD ST	A	land	Land		p D	4/30/1988	1988	1990	\$10.00	\$0.00		\$10.00		22 (1988	4519	8761		
000271	GEOGRAPHIC INFORMATION SYSTEM SOFT&EQUIP	A	soft	Software	7	P	4/17/1993	1993	2000	\$27,769.00	\$27,769.00		\$0.00	4/30/2006	17 7	2000	5210	8761		
000747	EDEN FIN SOFTWARE WATER FUND	A	soft	Software	10	p	12/31/2009	2009	2020	\$76,312.46	\$0.00	\$0.00	\$76,312.46		1 10	2019	8570	8761		
000269	1999 FORD F350 #287	A	veh	Vehicles	9	p	1/1/1999	1999	2010	\$39,152.00	\$35,252.00	\$244.81	\$3,900.00	12/31/2009	11 9	2008 2008	6060 5825	8761 8761		
000274 000265	CASE 590 SL BACKHOE #281 2000 HONDA CIVIC #105	A	veh veh	Vehicles Vehicles	11	p	1/1/1997	1997 2002	2010	\$61,018.00 \$20,238.22	\$61,018.00 \$14,540.53	\$972.32 \$1.748.85	\$0.00 \$5,697.69	12/31/2007 12/31/2009	13 11	2008 2012	5825 6538	8761 8761		
000203	2000 HOLDA CIVIC #103		+CII	· cultities		P'	1/1/2002	2002	2020	920,230.22	\$14,540.33	91,740.03	33,097.09	.213112009	5 10	2012	0556	5701	27,119 9	1,000

Model Index

SCHEDULE 10B -CAPITAL ASSET SUMMARY

	Valu	es				
Asset Category	Sum	of Original Cost	Sum	of Accumulated Depreciation	Sum of Book Value	
Buildings	\$	6,101,133	\$	1,763,785	\$	4,337,349
Cap. Work in Progress	\$	166,219	\$	-	\$	166,219
Capital Equipment	\$	4,004,288	\$	4,004,288	\$	-
Improvements	\$	12,518,490	\$	5,942,920	\$	6,575,570
Infrastructure	\$	28,562,608	\$	9,463,372	\$	19,206,922
Land	\$	2,168,358	\$	-	\$	2,168,358
Software	\$	104,081	\$	27,769	\$	76,312
Vehicles	\$	120,408	\$	110,811	\$	9,598
Grand Total	\$	53,745,586	\$	21,312,944	\$	32,540,328

Asset Category		Infrastructure	
Sum of Replacemen	t Cos	t (Original Co	st)
Replacement Year		Total	
	1990	\$	45,790,222
	2020	\$	23,442,512
	2030	\$	28,907,483
	2040	\$	23,906,587
	2050	\$	7,101,736
	2060	\$	5,431,200
	2070	\$	1,390,270
	2074	\$	877,750
	2075	\$	2,116,034
	2076	\$	1,095,681
	2077	\$	1,622,369
	2078	\$	1,223,668
	2079	\$	6,887,740
Grand Total		\$	149,793,251

Asset Category		(Multip	le Items)
Sum of Replacement Cost (Original Cost)			
Replacement Year		Total	
	1987	\$	1,841,213
	1998	\$	13,026,419
	2006	\$	1,647,178
	2007	\$	3,086,140
	2008	\$	3,109,449
	2011	\$	144,141
	2012	\$	168,950
	2017	\$	12,281,687
	2023	\$	210,280
	2029	\$	107,743
	2030	\$	3,435,866
	2032	\$	102,760
	2038	\$	90,582
	2044	\$	826,230
	2048	\$	1,680,856
	2049	\$	2,133,773
	2057	\$	8,343,259
	2059	\$	5,632,685
	2062	\$	1,324,810
	2063	\$	1,447,228
	2066	\$	657,650
Grand Total		\$	61,298,900

Model Index

SCHEDULE 11 - REPAIR, RENEWAL AND REPLACEMENT RESERVE (3R RESERVE)

			20)11	2012		2013	:	2014	2	2015	2016		2017	2018	2019	2020
Required Annual Reinvestment - Above Ground Asset Data																	
Planned Reinvestment Buildings Capital Equipment Improvements Total Capital Investment			\$	60,000 \$ 100,000 \$ - \$ 160,000 \$	825,000 200,000 - 1,025,000	\$ \$ \$	660,000	\$ \$ \$	- -	\$	- \$ 1,700,000 \$ - \$ 1,700,000 \$	1,750,000 - 1,750,000	\$ \$ \$	- \$ - \$ - \$	- \$ - \$ - \$	- \$ - \$ - \$	- - - -
Book Value of Fixed Assets Buildings Capital Equipment Improvements Total Book Value of Assets		Rate of	\$ 4, \$ 12,	152,465 \$ 518,490 \$	4,252,465 12,518,490	\$ \$ 1	,,	\$ 4 \$ 12	4,452,465 2,518,490	\$ 4 \$ 12	8,246,133 \$ 4,452,465 \$ 2,518,490 \$ 5,217,088 \$	8,246,133 6,152,465 12,518,490 26,917,088	\$ \$	8,246,133 \$ 7,902,465 \$ 12,518,490 \$ 28,667,088 \$	8,246,133 \$ 7,902,465 \$ 12,518,490 \$ 28,667,088 \$	8,246,133 \$ 7,902,465 \$ 12,518,490 \$ 28,667,088 \$	8,246,133 7,902,465 12,518,490 28,667,088
Buildings Capital Equipment Improvements Total Calculated Above Ground Reserve Contribution	Useful Life 50 15 50	Reinvestment 2.00% 6.67% 2.00%	\$	62,023 \$ 176,831 \$ 250,370 \$ 489,223 \$	83,498 250,370	\$ \$ \$	296,831	\$ \$ \$	296,831	\$ \$ \$	164,923 \$ - \$ 250,370 \$ 415,292 \$		\$ \$	164,923 \$ 526,831 \$ 250,370 \$ 942,123 \$	164,923 \$ 526,831 \$ 250,370 \$ 942,123 \$	164,923 \$ 526,831 \$ 250,370 \$ 942,123 \$	164,923 526,831 250,370 942,123
Required Annual Reinvestment - Buried Asset Data																	
Current Year Annual Inflation Rate	2010 3.0%																
Total Cost of Replacement in Arrears (2008 Dollars) Number of Years to Pay Off Annual Cost for 20 Year Payoff	\$ 45,790,222 20 \$ 2,289,511																
Future Annual Replacement Cost			\$	011	2012	S	2013	\$	2014	\$	2015	2016	\$	2017	2018	2019	2020
Remaining Cost of Replacement (Inflated)			-	358,196 \$	2,428,942	-	2,501,811	-			2,654,171 \$	2,733,796		2,815,810 \$	2,900,284 \$	2,987,293 \$	3,076,911
Total Required Annual Reinvestment			2,	358,196	2,428,942		2,501,811	2	2,576,865	2	2,654,171	2,733,796		2,815,810	2,900,284	2,987,293	26,519,423
CIP Planned Reinvestment - Buried Assets			\$	125,000 \$	5,640,000	\$	2,340,000	\$ 2	2,925,000	\$ 3	3,900,000 \$	-	\$	- \$	- \$	- \$	-
Planned Annual Reinvestment less Required Annual Reinvestment			\$ (2,	233,196) \$	3,211,058	\$	3,049,247	\$ 3	3,397,382	\$ 4	4,643,211 \$	1,909,415	\$	(906,394) \$	(2,900,284) \$	(2,987,293) \$	(26,519,423)
Total Calculated Buried Assets Reserve Contribution				-	-		-		-		24,134	3,140,398		3,648,261	3,884,051	3,930,245	3,977,825
Total Calculated 3R Contribution Above Ground & Buried Assets Phase-In of 3R Reserve Contribution			-	489,223 \$ 00%	333,867 100%	\$	547,201 100%	\$	547,201 100%	\$	439,427 \$ 100%	3,555,690 100%	\$	4,590,385 \$ 100%	4,826,175 \$ 100%	4,872,369 \$ 100%	4,919,949 100%
Recommended 3R Reserve Conribution			\$	489,223 \$	333,867	\$	547,201	\$	547,201	\$	439,427 \$	3,555,690	\$	4,590,385 \$	4,826,175 \$	4,872,369 \$	4,919,949

SCHEDULE 12A - REVENUE REQUIREMENTS

		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Operating Costs												
Total Operating Expenses		7,548,011	8,180,707	8,764,289	9,394,053	10,040,085	10,741,918	11,504,870	12,334,780	13,238,063	14,221,769	15,293,642
Operating Reserve		0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Total Operating Expenses		7,548,011	8,280,707	8,864,289	9,494,053	10,140,085	10,841,918	11,604,870	12,434,780	13,338,063	14,321,769	15,393,642
Capital Costs												
Existing Debt Service		503,708	503,003	496,155	0	0	0	0	0	0	0	0
Cash Funded Capital Projects		1,113,093	285,000	933,300	660,000	600,000	500,000	0	0	0	0	0
Projected Debt Service		0	0	0	905,413	905,413	905,413	1,463,320	1,463,320	1,463,320	1,463,320	1,463,320
3R Reserve		0	489,223	333,867	547,201	547,201	439,427	3,555,690	4,590,385	4,826,175	4,872,369	4,919,949
Total Capital Expenses		1,616,801	1,277,226	1,763,322	2,112,614	2,052,614	1,844,840	5,019,010	6,053,705	6,289,495	6,335,689	6,383,269
Total Revenue Requirement		9,164,812	9,557,933	10,627,611	11,606,667	12,192,699	12,686,759	16,623,880	18,488,484	19,627,558	20,657,458	21,776,911
Miscellaneous Other Revenues		386,883	324,754	329,967	334,326	343,857	381,944	412,199	502,750	572,519	759,504	900,656
Use of Fund Balance		0.4.4.5	0.4.4.5	0.5.0.40	00.550		0.5.04.5	0.000	400 =00	400.000	100000	44044
Revenues from Westmont & Knottingham		84,417	84,417	86,949	89,558	92,244	95,012	97,862	100,798	103,822	106,936	110,145
Revenues from Unmetered Water Sales		5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Total Miscellaneous Revenues		476,300	414,170	421,917	428,884	441,102	481,955	515,061	608,548	681,341	871,440	1,015,801
Net Revenue Requirement		8,688,512	9,143,763	10,205,695	11,177,783	11,751,597	12,204,803	16,108,819	17,879,936	18,946,217	19,786,017	20,761,110
Revenues under Current Rates		7,560,051	7,573,804	7,498,066	7,423,085	7,348,855	7,275,366	7,202,612	7,130,586	7,059,280	6,988,688	6,918,801
Surplus / (Shortfall)		(1,128,461)	(1,569,959)	(2,707,629)	(3,754,698)	(4,402,743)	(4,929,437)	(8,906,207)	(10,749,350)	(11,886,936)	(12,797,330)	(13,842,309)
Required Breakeven Increase			20.73%	36.11%	50.58%	59.91%	67.76%	123.65%	150.75%	168.39%	183.11%	200.07%
Revenues with Annual Increases	S	7,560,051 \$	7,573,804 \$	9.138.763 \$	10.200.695 \$	11.172.783 \$	11.746.597 \$	12,199,803 \$	16.103.819 \$	17.874.936 \$	18,941,217 \$	19,781,017
Revenues from Unmetered Water Sales	\$	5,000 \$	5,000 \$	5,000 \$	5,000 \$	5,000 \$	5,000 \$	5,000 \$	5,000 \$	5,000 \$	5,000 \$	5,000
			,	, ,					, '	, ,		
Surplus / (Shortfall)	\$	7,555,051 \$	(1,564,959) \$	(1,061,932) \$	(972,089) \$	(573,814) \$	(453,206) \$	(3,904,016) \$	(1,771,117) \$	(1,066,280) \$	(839,801) \$	(975,092)
Annual Additional Increases			21%	12%	10%	5%	4%	32%	11%	6%	4%	5%

SCHEDULE 12B - COST ALLOCATION

	%		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Actual Fixed vs. Variable												
Operating Costs	% Fixed											
Total Operating Expenses	55%	\$	4,499,389 \$	4,820,359 \$	5,166,729 \$	5,522,047 \$	5,908,055 \$	6,327,679 \$	6,784,129 \$	7,280,935 \$	7,821,973 \$	8,411,503
Operating Reserve	100%	\$	100,000 \$	100,000 \$	100,000 \$	100,000 \$	100,000 \$	100,000 \$	100,000 \$	100,000 \$	100,000 \$	100,000
Capital Costs												
Existing Debt Service	100%	\$	503.003 \$	496,155 \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	
Cash Funded Capital Projects	100%	\$	285,000 \$	933,300 \$	660,000 \$	600,000 \$	500,000 \$	- \$ - \$	- \$	- \$	- \$ - \$	-
Projected Debt Service	100%	\$	- \$	- \$	905,413 \$	905,413 \$	905,413 \$	1,463,320 \$	1,463,320 \$	1,463,320 \$	1,463,320 \$	1,463,320
3R Reserve	100%	\$	489,223 \$	333,867 \$	547,201 \$	547,201 \$	439,427 \$	3,555,690 \$	4,590,385 \$	4,826,175 \$	4,872,369 \$	4,919,949
Total Fixed Revenue Requirements	,	\$	5,876,615 \$	6,683,681 \$	7,379,343 \$ 64%	7,674,661 \$ 63%	7,852,895 \$ 62%	11,446,689 \$ 69 %	12,937,834 \$	13,670,429 \$ 70%	14,257,662 \$ 69 %	14,894,772 68%
Percentage Fixed	а		61%	63%	04%	63%	62%	69%	70%	/0%	69%	68%
Operating Costs	% Variable											
Total Operating Expenses	45%	\$	3,681,318 \$	3,943,930 \$	4,227,324 \$	4,518,038 \$	4,833,863 \$	5,177,192 \$	5,550,651 \$	5,957,128 \$	6,399,796 \$	6,882,139
Operating Reserve	0%	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Capital Costs												
Existing Debt Service	0%	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	
Cash Funded Capital Projects	0%	\$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$	- \$ - \$	- \$	- \$	- \$ - \$	-
Projected Debt Service	0%	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	_
3R Reserve	0%	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Total Variable Revenue Requirement		\$	3,681,318 \$	3,943,930 \$	4,227,324 \$	4,518,038 \$	4,833,863 \$	5,177,192 \$	5,550,651 \$	5,957,128 \$	6,399,796 \$	6,882,139
Percentage Variable	e		39%	37%	36%	37%	38%	31%	30%	30%	31%	32%
Allocation for Rates												
Net Revenue Requirements		\$	9,143,763 \$	10,205,695 \$	11,177,783 \$	11,751,597 \$	12,204,803 \$	16,108,819 \$	17,879,936 \$	18,946,217 \$	19,786,017 \$	20,761,110
Fixed Costs												
Administrative O&M Expenses		\$	1,258,671 \$	1,296,431 \$	1,335,324 \$	1,375,384 \$	1,416,646 \$	1,459,145 \$	1,502,919 \$	1,548,007 \$	1,594,447 \$	1,642,281
% of Existing Debt	0%	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
% of Capital Improvement Plan	0%	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Total Fixed Costs		\$	1,258,671 \$	1,296,431 \$	1,335,324 \$	1,375,384 \$	1,416,646 \$	1,459,145 \$	1,502,919 \$	1,548,007 \$	1,594,447 \$	1,642,281
Total Costs Allacated to Hear Dates		¢	7 995 002 4		0.842.450 *			14.640.674		17 200 210		
Total Costs Allocated to User Rates		\$	7,885,092 \$	8,909,263 \$	9,842,459 \$	10,376,213 \$	10,788,158 \$	14,649,674 \$	16,377,017 \$	17,398,210 \$	18,191,570 \$	19,118,829

Model Index

Village of Decease Gence 2009 Detail

I Index	CUSTOMER AND CON	TAMETON INFORM	ALTION										age of Downers Grove Water Rate Study	2008 Detail			
2008 Actuals		SCMP HON INFORM	axios										Water Kate Shary			Inside Village	Outside Village
Count of Account t	Meter Size 5/8 1 11/2 2 3 4 6 10	Church 8 10 4 12	Industrial 13 14 22 21 10	Multi Family 179 77 149 126 37 14	Office 62 29 50 22 24 22 2	Park 4 2 3 12 4	Pool 1 1	Rest 14 6 23 15 6 2	Retail 201 49 62 41 29 20 2	School 3 6 13 18 4 6 4	Single Family 11,788 543 48 4	Grand Total 12,272 736 375 272 111 68 12		Feom 0 1 2 5 10 20 50	To 1 2 5 10 20 50 and Over	Self-Center	f of Canomer
Inside Total Knottingham Knottingham Tot Outside Village Outside Total Westmort	5/8 1 c 5/8 1 1 1/2 2 4	34	0	0 1 1 2 12	0 3 1 2 6	0	0 0	0 1	0 5 1	0 1 1 2	12.384 236 5 241 1,036 84 6	13,847 236 5 241 1,048 87 10 14 2 1,161 49		From 0 1 2 5 5 10 20 50	To 1 2 5 10 20 50 and Over	Section Total Communities Addition Section Sec	For Castinery Total Communition Altered Communition Altered Communition O O O O O O O O O
Westmont Total "usage in CCFs Inside Village Limit Knottingham Outside Village Lim Westmont Grand Total 2009 Actuals	Total Usage 2,223, 26, 2148, 7, 2,405,	866 094 096	0	0 602	0 217	0 26	0 2	0	0 410	0 57	64 13,815	64		From 0 1 2 5 10 20 50	To 1 2 5 10 20 50 and Over	## of Customer	For Customer Total Consumption Metal Customer % of Customer % of Customer 2 2 33 5.71% 3.54% 4 13 59 11.47% 8.79% 9 77 127 2.57.1% 12.79% 10 10.97 13.2 2.57.1% 12.79% 11 10.97 13.2 3.24.6% 13.05% 6 2 5.31 4.31 5.31% 2.41% 35 98 98 100% 100%
Jurisdiction Inside Village	Meter Size 5/8 1 1 11/2 2 3 4 6 10	Church 8 10 4 12	Industrial 13 14 26 23 10	Muki Family 190 79 149 133 37 20 4	Office 73 30 51 25 24 22 2	Park 4 3 3 12 4	Pool 1 1	Rest 14 6 24 17 6 2	Retail 215 53 69 48 30 22 2	School 3 6 13 18 4 6 4 1	Single Family 12,331 639 55 5 1	Grand Total 12,851 840 395 294 112 76 12 1		From 0 1 2 5 10 20 50	To 1 2 5 10 20 50 and Over	8 of Castoner Total Castonerion All Castonerion % of Castonerion % of Castonerion 16 15 4.09 3.56% 0.09% 18 16 4.09 3.56% 0.09% 22 22 10 1.20 3.61% 1.69% 36 26.6 1.83% 8.29% 2.91% 31 1.00 3.26% 1.16% 3.29% 20 2.83% 1.84% 3.29% 1.75% 202 58.831 4.801 4.600 1.77.19% 449 63.270 63.270 1.09% 1.09%	for Customer Total Consumption All-Acted Consumption % of Customers % of Customers 4 4 35 11.47% 0.05% 0 0 0 0.0 0.0 10 8.1 1.0 2.57% 1.15% 5 7.6 106 14.59% 2.50% 14 7.35 1.0 1.0 1.0 2.0 3 8.072 8.072 4.00% 8.84% 3.0% 1.0%
Knottingham Tot Outside Village Outside Total Westmore	5/8 1 c 5/8 1 1 1 1/2 2 4	0 3 1	0	0 1 1 2 12	0 3 1 2 6	0	0	0 1	0 5 1	0 1 1 2	13,031 244 5 249 1,089 98 7	244 5 249 1,101 102 11 14 2 1,230		From 0 1 2 5 10 20 50	To 1 2 5 10 20 50 and Over	# Of Consource	Classifier Total Communities
Westmort Total Grand Total 2009 Detail		22,553	0 86 S 0.51	### ### ##############################	0 233 gallon 8,976 11220 22,440 Inside Village - Cor Total Consumption 148,135 113,597 691,341	0 27 CCF 12 15 30 mercial Customer Information and Consumption 355,235 159,297 488,541	mation % of Customers % 72%		0 445	0 57	72 72 14,546	72 72 16,132 0 100 Over	100 94 200 16 200 73 183	omer Total Consumption 1,678		source: Information. 50 of Contempts 50 of Contemption. 50 of Contempts 50 of Contemption. 50 of Contem	Observation Observation Observation Occuration Occu
				7456	953,073	953,073	100%	100%									

Commercial Industrial

2008		18 44%	32 89%	Custom 55 57%	er Over	20 87%	37.01%
Winter Bi-Monthly Multiplier	100%	1071111	32.07%	Consump	tion Over	273770	3730170
		5.42%	13.95%	29.93%	28.38%	12.98%	19.51%
Inside Village - Single Family	B1-Month I	Bi-Month 2	•	•	•		
# of Customers using More than WQ Multiplier # of Customers using Equal/Less than Multiplier Total Customers	11,808 11,808	1,980 9,872 11,852	3,778 8,182 11,960	6,726 5,367 12,093	5,748 6,454 12,202	3,502 8,729 12,231	21,73 38,60 60,33
Total Usage Above WQM Total Usage within WQM Limits Total Usage	191,712 191,712	6,099 161,667 167,766	19,686 166,182 185,868	72,722 172,451 245,173	55,269 168,169 223,438	18,993 159,502 178,495	172,76 827,97 1,000,74
Inside Village - Multi Family	Bi-Month 1	Bi-Month 2	Bi-Month 3	Bi-Month 4	Bi-Month 5	Bi-Month 6	Annual Tota
# of Customers using More than WQ Multiplier	551	121	178	302	285	190 377	1,0
# of Customers using Equal/Less than Multiplier Total Customers	551	431 552	383 561	269 571	285 570	567	2,8
Total Usage Above WQM Total Usage within WQM Limits Total Usage	59,063 59,063	1,613 51,241 52,854	6,381 52,468 58,849	8,426 53,884 62,310	8,358 53,580 61,938	5,348 51,098 56,446	30,12 262,23 292,39
Inside Village - Retail	Bi-Month l	Bi-Month 2	Bi-Month 3	Bi-Month 4	Bi-Month 5	Bi-Month 6	Annual Tota
# of Customers using More than WQ Multiplier # of Customers using Equal/Less than Multiplier Total Customers	359	129 232 361	174 192 366	182 178	182 187	141 233 374	1,01 1,81
Total Usage Above WQM Total Usage within WQM Limits	47,189	2,122 34,132	6,133 40,802	15,637 43,532	17,940 42,775	4,925 36,487	46,75 197,7
Total Usage	47,185	36,254	46,935	59,169	60,715	41,412	244,41
Inside Village - Industrial # of Customers using More than WQ Multiplier	B1-Month 1	Bi-Month 2	Bi-Month 3	Bi-Month 4	Bi-Month 5	Bi-Month 6	Annual Tota
# of Customers using Equal/Less than Multiplier Total Customers	71	37 71	33 71	28 73	32 76	43 77	31
Total Usage Above WQM Total Usage within WQM Limits Total Usage	9,220	1,160 8,595	2,202 8,760	3,412 8,755	2,817 8,702	2,192 7,455	11,78 42,20
Total Usage Inside Village - Other	9,220 Bi-Month I	9,755 Bi-Month 2	10,962 Bi-Month 3	12,167 Bi-Month 4	11,519 Bi-Month 5	9,647 Bi-Month 6	54,0: Annual Tota
# of Customers using More than WO Multiplier	Drinean I	168	217	231	245	202	1.0
# of Customers using Equal/Less than Multiplier Total Customers	351 351	186 354	157 374	144 375	129 374	170 372	7,8 1,8
Total Usage Above WQM Total Usage within WQM Limits Total Usage	41,494 41,494	5,732 35,969 41,701	14,990 36,473 51,463	33,744 34,986 68,730	38,086 35,909 73,995	11,785 35,311 47,096	104,33 178,6- 282,99
Total Usage	41,494 15.08 12.0624643	35,969 41,701	36,473	34,986 68,730 Custom 87.70%	35,909 73,995 er Over 78.13%	35,311	178,6
Total Usage Above WQM Total Usage within WQM Limits Total Usage Winter Quarter Multiplier	41,494	35,969 41,701	36,473 51,463	34,986 68,730 Custom 87.70%	35,909 73,995 er Over	35,311 47,096	178,6 282,9
Total Usage Winter Quarter Multiplier	15.08 12.0624643	35,969 41,701 82.76%	36,473 51,463 85.55% 49.42%	34,986 68,730 Custom 87.70% Consump 51.56%	35,909 73,995 er Over 78.13% tion Over 40.32%	35,311 47,096 64.23% 24.56%	178,6- 282,91 79,20% 41.80%
Total Usage Winter Quarter Multiplier Inside Village - Single Family # of Costomers using More than WQ Multiplier of Costomers using Equal/Les than Multiplier	41,494 15.08 12.0624643 100% Bi-Month 1	35,969 41,701 82.76% 23.37% Bi-Month 2 4,020 831	36,473 51,463 85.55% 49.42% Bi-Month 3	34,986 68,730 Custom 87.70% Consump 51.56% Bi-Month 4	35,909 73,995 er Over 78.13% tion Over 40.32% Bi-Month 5	35,311 47,096 64.23% 24.56% Bi-Month 6	178,6 282,9 79,20% 41,80% Annual Tota 43,8:
Witter Quarter Multiplier Milter Quarter Multiplier Inside Village - Single Family # of Customers using More than WQ Multiplier # of Customers using Equal Less than Multiplier Inside Customers Total Usage Above WQM Total Usage Miltow WQM Limits	15.08 12.0624643 100% Bi-Month 1 12.247 12.247	35,969 41,701 82,76% 23,37% Bi-Month 2 4,020 831 4,851 15,851 57,193	36,473 51,463 85,55% 49,42% Bi-Month 3 10,663 1,803 12,466 145,518 143,268	34,986 68,730 Custom 87,70% Consump 51,56% Bi-Month 4 11,096 1,527 12,623 139,800 143,051	35,909 73,995 er Over 78.13% tion Over 40.32% Bi-Month 5 9,943 2,795 12,738 80,819 139,844	35,311 47,096 64,23% 24,56% Bi-Month 6 8,105 4,668 12,773 35,896 135,928	178,6- 282,91 79,20% 41,80% Annual Tota 43,8: 11,6: 55,4: 417,88 619,28
Winter Quarter Multiplier Inside Village - Single Family F of Customers using More than WQ Multiplier F of Customers using Rupal/Less than Multiplier F of Customers using Rupal/Less than Multiplier Total Customers Total Usage Above WQM Total Usage within WQM Limits	15.08 12.0624643 100% Bi-Moeth 1 12.247 147.725 147.725	35,969 41,701 82,76% 23,37% Bi-Month 2 4,020 831 4,851 15,851 57,193 73,044	36,473 51,463 85,55% 49,42% Bi-Month 3 1,803 12,466 145,518 143,268 288,786	34,986 68,730 Custom 87,70% Consump 51,56% Bi-Month 4 11,096 1,527 12,623 139,800 143,051 282,851	35,909 73,995 er Over 78,13% titoday 40,32% Bi-Month 5 9,943 2,795 12,738 80,819 139,844 220,663	35,311 47,096 64.23% 24.56% Bi-Month 6 8,105 4,668 12,773 35,896 135,928 171,824	178,6- 282,94 79,20% 41,80% Annual Tota 43,8: 11,6: 55,4: 417,88 619,28
AWinter Quarter Multiplier Inside Village - Single Family of Castoners using More than WQ Multiplier of Castoners using More than WQ Multiplier of Castoners using Janual Less than Multiplier Total Castoners Total Usage Away WQM Total Usage within WQM Limits Total Usage Inside Village - Multi Family	15.08 12.0624643 100% Bi-Moeth 1 12.247 147.725 147.725	35,969 41,701 82,76% 23,37% Bi-Month 2 4,020 831 4,821 15,851 57,193 73,044 Bi-Month 2	36,473 51,463 85,55% 49,42% Bi-Month 3 10,663 1,803 12,466 145,518 143,268 288,786 Bi-Month 3	34,986 68,730 Custom 87,70% Consump 51,56% Bi-Month 4 11,096 1,527 12,623 139,800 143,051 282,851 Bi-Month 4	35,909 73,995 er Over 78,13% tion Over 40,32% Bi-Month 5 9,943 2,795 12,738 80,819 139,844 220,663 Bi-Month 5	35,311 47,096 64,23% 24,56% Bi-Month 6 8,105 4,668 12,773 35,896 135,928 171,824 Bi-Month 6	178.6 282.9 79.20% 41.80% Annual Tota 43,8: 11,6: 55,4: 417.8: 619.2: 1,037,1: Annual Tota
Winter Quarter Multiplier Inside Village - Single Family F of Customers using More than WQ Multiplier F of Customers using Rupal/Less than Multiplier F of Customers using Rupal/Less than Multiplier Total Customers Total Usage Above WQM Total Usage within WQM Limits	15.08 12.0624643 100% Bi-Moeth 1 12.247 147.725 147.725	35,969 41,701 82,76% 23,37% Bi-Month 2 4,020 831 4,851 15,851 57,193 73,044 Bi-Month 2	36,473 51,463 85,55% 49,42% Bi-Month 3 1,803 12,466 145,518 143,268 288,786	34,986 68,730 Custom 87,70% Consump 51,56% Bi-Month 4 11,096 1,527 12,623 139,800 143,051 282,851	35,909 73,995 er Over 78,13% titoday 40,32% Bi-Month 5 9,943 2,795 12,738 80,819 139,844 220,663	35,311 47,096 64.23% 24.56% Bi-Month 6 8,105 4,668 12,773 35,896 135,928 171,824	178,6- 282,91 79.20% 41.80% Annual Tota 43,8: 417,88 417,88 417,88 417,88 417,88 417,88 417,88 417,88
AVAILER CHARGE MINISTER AND	15.08 12.0624643 1007a Bi-Moosth 1 12.247 147.29 Bi-Month 1 570 570	35,969 41,701 82,76% 23,37% Bi-Month 2 4,020 831 15,851 57,193 73,044 Bi-Month 2 225 40 265 3,772	36,473 51,463 85,55% 49,42% Bi-Month 3 10,663 12,466 145,518 143,268 288,786 Bi-Month 3 497 83 580 50,314	34,986 68,739 Custom 87,706 Consump 51,50% 11,096 11,527 12,623 139,800 143,051 282,851 Bi-Month 4 527 60 587 26,201	35,909 73,995 er Over 78,13% tion Over 40,32% Bi-Month 5 9,943 2,795 12,738 80,819 139,844 220,663 Bi-Month 5 490 102	35,311 47,996 64.23% 24.56% Bi-Month 6 8,105 4,668 12,773 35,896 135,928 171,824 Bi-Month 6 418 166 584 411,563	178.6- 282,9i 79.20% 41.80% 41.80% 43.8: 11,6: 55,4: 417.8i 619,2: 1,037,1: 4: 4: 2,1: 4: 2,1: 1,0: 1,0: 1,0: 1,0: 1,0: 1,0: 1,0: 1
Miniter Quarter Multiplier Inside Village - Single Family # of Cholescen using More than WQ Multiplier of of Cholescen using Burd Less than Multiplier for Cholescen with Burd Less than Multiplier for Cholescen WQM Total Usage Mow WQM For Living within WQM Limits Total Usage More than WQ Multiplier of Cholescen using Burd Less than Multiplier for Cholescen using Burd Less than Multiplier for Cholescen using Total Usage About Total Total Usage Mow WQM Total Usage WQM Limits Total Usage Mow WQM Limits Total Usage Above WQM Total Usage WMM WQM Limits	15.08 12.0624643 10062 Bi-Mouth 1 12.247 12.247 147.728 147.728 Bi-Mouth 1 570 570 45.344	35,969 41,701 82,76% 82,76% 23,37% Bi-Month 2 4,020 831 15,851 57,193 73,044 Bi-Month 2 225 40 265 3,772 12,948 16,720	36,473 51,463 85,55% 49,42% Bi-Month 3 10,663 12,466 145,518 143,268 288,786 Bi-Month 3 580 580 59,314 44,849 95,163	34,986 68,730 Customore 87,70% Consump 51,56% Bi-Month 4 11,096 1,527 12,623 139,305 139,305 143,051 282,851 Bi-Month 4 527 60 587 26,201 44,817 71,018	35,909 73,995 er Over 78,13% tion Over 40,32% Bi-Month 5 12,738 80,819 139,844 220,663 Bi-Month 5 490 102 592 18,995 44,432 63,427	35,311 47,996 64.23% 24.56% Bi-Month 6 8,105 4,668 12,773 35,896 135,928 171,824 Bi-Month 6 418 166 584 41,156 55,719	79.20% 41.80% 41.80% 41.80% 41.80% 41.80% 41.81 417.81 417.82 417.82 417.83 417.83 417.83 417.83 417.83 417.83 417.83 417.83
Witter Quarter Mulipiler Minde Village - Single Family 8 of Customers using More than WQ Mulipiler 8 of Customers using Equal Less than Mulipiler 16 of Customers using Equal Less than Mulipiler 16 of Customers using Equal Less than Mulipiler 16 call Usage 17 total Usage 18 of Customers using More than WQ Mulipiler 18 of Customers usi	15.08 12.0624643 10062 Bi-Mouth 1 12.247 12.247 147.728 147.728 Bi-Mouth 1 570 570 45.344	35,969 41,701 82,76% 82,76% 23,37% Bi-Month 2 4,020 331 4,881 55,193 73,044 Bi-Month 2 225 40 265 3,772 17,948	36,473 51,463 85,55% 49,42% Bi-Month 3 10,663 12,466 145,518 143,268 288,786 Bi-Month 3 580 580 59,314 44,849 95,163	34,986 68,730 Customore 87,70% Consump 51,56% Bi-Month 4 11,096 1,527 12,623 139,305 139,305 143,051 282,851 Bi-Month 4 527 60 587 26,201 44,817 71,018	35,909 73,995 er Over 78,13% tion Over 40,32% Bi-Month 5 12,738 80,819 139,844 220,663 Bi-Month 5 490 102 592 18,995 44,432 63,427	35,311 47,996 64.23% 24.56% Bi-Month 6 8,105 4,668 12,773 35,896 135,928 171,824 Bi-Month 6 418 166 584 41,156 55,719	79.20% 41.80% 41.80% 41.80% 41.80% 41.80% 41.81 417.81 417.82 417.82 417.83 417.83 417.83 417.83 417.83 417.83 417.83 417.83
Miniter Quarter Multiplier Inside Village - Single Family # of Cholescen using More than WQ Multiplier of of Cholescen using Burd Less than Multiplier for Cholescen with Burd Less than Multiplier for Cholescen WQM Total Usage Mow WQM For Living within WQM Limits Total Usage More than WQ Multiplier of Cholescen using Burd Less than Multiplier for Cholescen using Burd Less than Multiplier for Cholescen using Total Usage About Total Total Usage Mow WQM Total Usage WQM Limits Total Usage Mow WQM Limits Total Usage Above WQM Total Usage WMM WQM Limits	15.08 12.0624643 10062 Bi-Mouth 1 12.247 12.247 147.728 147.728 Bi-Mouth 1 570 570 45.344	35,969 41,701 82,76% 82,76% 23,37% Bi-Month 2 4,020 831 15,851 57,193 73,044 Bi-Month 2 225 40 265 3,772 12,948 16,720	36,473 51,463 85,55% 49,42% Bi-Month 3 10,663 12,466 145,518 143,268 288,786 Bi-Month 3 580 580 59,314 44,849 95,163	34,986 68,730 Customore 87,70% Consump 51,56% Bi-Month 4 11,096 1,527 12,623 139,305 139,305 143,051 282,851 Bi-Month 4 527 60 587 26,201 44,817 71,018	35,909 73,995 er Over 78,13% tion Over 40,32% Bi-Month 5 12,738 80,819 139,844 220,663 Bi-Month 5 490 102 592 18,995 44,432 63,427	35,311 47,996 64.23% 24.56% Bi-Month 6 8,105 4,668 12,773 35,896 135,928 171,824 Bi-Month 6 418 166 584 41,156 55,719	178.6 282,9 79.20% 41.80% 41.80% 43.8. 11.6. 55,4: 417.8: 619.2: 1,037,1: 4.110.8. 110.8. 110.8. 110.8. 110.8. 110.8. 110.8. 110.8. 110.8. 110.8.
Winter Quarter Multiplier Inside Village - Single Family ### of Cachesen using Mee then VQ Multiplier ###################################	11.698 12.0624643 10043 Bi-Month 1 12.247 147.729 147.729 Bi-Month 1 577 570 45.346 Bi-Month 1 377 373	82,76% 82,76% 23,37% Bi-Month 2 4,020 8111 4,881 15,881 57,193 73,044 Bi-Month 2 225 240 265 3,772 19,884 16,720 Bi-Month 2 198 66	36.473 51.463 85.55% 49.42% Bi-Month 3 10.663 1,803 12,466 145.518 143.268 288,786 39.50 50.314 44,849 95,163 Bi-Month 3 50.314 44,849 95,163 Bi-Month 3 32.30 30.3	34,986 68,739 Custom 87,70% Consump 51,50% Hi-Month 4 11,096 1,527 12,623 139,800 143,051 282,851 527 60 587 71,018 Bi-Month 4 1,319 26,201 399 329 61 399	35,909 73,995 er Over 78,13% ion Over 40,32% Bj-Month 5 12,738 80,819 139,844 229,643 162 162 18,995 44,432 63,427 Bj-Month 5 19,995 64,432 64,995	35,311 47,996 64,23% 24,56% Bi-Month 6 8,105 4,668 12,773 35,896 135,928 171,824 Bi-Month 6 884 11,563 44,156 55,719 Bi-Month 6 13,938 13,938 11,863 14,156 31,338 13,338 13,338 13,338 13,338 13,396 13,396	178,6- 282,91 79.20% 41.80% Annual Tota 43,8: 11,6: 55,4: 11,7: 11,0: 11
Availer Courses Multiplier Inside Village - Single Family of Castoners using More than WQ Multiplier of Castoners using More than WQ Multiplier of Castoners using More than WQ Multiplier Total Courses WQM Total Usage Mow WQM Total Usage Single WqM I Single of Castoners using More than WQ Multiplier of Castoners using More than WQ Multiplier of Castoners using More than WQ Multiplier Total Castoners using More than WQ Multiplier Total Castoners using More than WQ Multiplier of Castoners using Equal Castoners of Castoners using Spatial Castoners of Castoners using More than WQ Multiplier of Castoners using Spatial Castoners of	41,494 15.08 12.0624643 1004 Bi-Mouth 1 12,247 12,247 147,728 Bi-Mouth 1 570 570 45,346 Bi-Mouth 1 372 372 373 30,308	\$2,500 41,701 82,76% 23,37% Bi-Month 2 4,020 831 15,819 15,819 15,704 16,720 205 3,772 12,048 16,720 10,720 10,720 10,732	36,473 51,463 85,55% 49,42% Bi-Month 3 10,663 1,803 12,466 145,518 145,128 145,786 145,786 145,786 145,786 145,786 145,786 145,786 145,786 145,786 145,786 145,786 145,786 145,786 145,786 145,786 150,314 145,819 95,163 181-Month 3 300 300 390 390 390 390 390 390 390 39	34,986 68,739 Costomer 87.70% Consump 51.56% 51.56% 1,527 12,623 1,527 12,623 143.051 139,650 143.051 527 7,1018 Bi-Mouth 4 1,527 7,527 8	35,909 73,995 27,095 287 Over 78,13% 1500 Over 40.32% 89-Month 5 12,738 80,819 139,844 220,663 81-Month 5 490 102 592 18,995 44,432 63,427 81-Month 5 282 112 394 29,419 28,596 58,015	35,311 47,096 64,23% 24,56% Bi-Moeth 6 10,773 135,928 171,824 Bi-Moeth 6 18,605 18	178,6-6 282,91 79,20% 41,80% 41,80% 43,83% 43,83% 43,83% 619,22,6 619,22,6 619,23,6 110,84% 110,110,110,110,110,110,110,110,110,110
Winter Quarter Multiplier Inside Village - Single Family ## of Cachesen using More than WQ Multiplier ### of Cachesen using More than WQ Multiplier #### of Cachesen using Reputal Lea than Multiplier Total Usage Above WQM ###################################	41,494 15.08 12.0624643 1004 Bi-Mouth 1 12,247 12,247 147,728 Bi-Mouth 1 570 570 45,346 Bi-Mouth 1 372 372 373 30,308	35,509 41,701 82,76% 23,37% Bi-Month 2 4,020 831 15,881 57,193 73,044 Bi-Month 2 198 16,720 Bi-Month 2 198 66 73,77 72,744 Bi-Month 2 198 66 73,77 72,744 Bi-Month 2	36,473 51,463 85,55% 49,42% Bi-Month 3 10,663 12,466 145,518 143,268 143,268 145,518 143,268 15,0314 497 83 580 50,314 44,849 95,163 Bi-Month 3 10,000 10,00	34,986 68,739 Custom 87,70% Consump 51,56% Bi-Month 4 1,527 12,623 139,800 143,021 143,021 282,951 Bi-Month 4 527 60 587 71,018 Bi-Month 4 1,527 60 143,021 143,021 143,021 143,021 143,021 144,817 71,018 Bi-Month 4 1,000 144,817 144,817 144,817 144,817 1590 161 1990 171,018 Bi-Month 4 1,000 171,001 180 190 190 190 190 190 190 190 190 190 19	35,909 73,995 73,995 er Over 78,13% tion Over 40,32% Bi-Month 5 12,738 80,819 139,844 229,663 Bi-Month 5 162 592 18,995 44,432 63,427 Bi-Month 5 17 Bi-Month 5 18,995 44,432 112 29,419 28,596 394 29,419 28,596 38,015 38,015	35,311 47,996 64,23% 24,56% Bi-Month 6 12,773 35,896 13,5,928 171,824 Bi-Month 6 14,88 166 58,4 11,563 44,156 55,719 Bi-Month 6 13,928 13,928 13,928 14,928	178.6-5.2.98 79.20% 41.30% 41.50% 41.
Availer Courses Multiplier Inside Village - Single Family of Castoners using More than WQ Multiplier of Castoners using More than WQ Multiplier of Castoners using More than WQ Multiplier Total Courses WQM Total Usage Mow WQM Total Usage Single WqM I Single of Castoners using More than WQ Multiplier of Castoners using More than WQ Multiplier of Castoners using More than WQ Multiplier Total Castoners using More than WQ Multiplier Total Castoners using More than WQ Multiplier of Castoners using Equal Castoners of Castoners using Spatial Castoners of Castoners using More than WQ Multiplier of Castoners using Spatial Castoners of	41,494 15.08 12.0624643 1004 Bi-Mouth 1 12,247 12,247 147,728 Bi-Mouth 1 570 570 45,346 Bi-Mouth 1 372 372 373 30,308	\$2,500 41,701 82,76% 23,37% Bi-Month 2 4,020 831 15,819 15,819 15,704 16,720 205 3,772 12,048 16,720 10,720 10,720 10,732	36,473 51,463 85,55% 49,42% Bi-Month 3 10,663 1,803 12,466 145,518 145,128 145,786 145,786 145,786 145,786 145,786 145,786 145,786 145,786 145,786 145,786 145,786 145,786 145,786 145,786 145,786 150,314 145,819 95,163 181-Month 3 300 300 390 390 390 390 390 390 390 39	34,986 68,739 Costomer 87.70% Consump 51.56% 51.56% 1,527 12,623 1,527 12,623 143.051 139,650 143.051 527 7,1018 Bi-Mouth 4 1,527 7,527 8	35,909 73,995 27,095 287 Over 78,13% 1500 Over 40.32% 8Bi-Month 5 9,943 2,795 12,738 8Bi-Month 5 490 102 592 18,995 44,432 63,427 8Bi-Month 5 282 112 394 29,419 28,516 58,015	35,311 47,096 64,23% 24,56% Bi-Moeth 6 10,773 135,928 171,824 Bi-Moeth 6 18,605 18	178,6-6 282,91 79,20% 41,80% 41,80% 43,83% 43,83% 43,83% 619,22,6 619,22,6 619,23,6 110,84% 110,110,110,110,110,110,110,110,110,110
Winter Quarter Multiplier Inside Village - Single Family ## of Cashoene ming More than WQ Multiplier ## of Cashoene ming Reputal Lea than Multiplier ## of Cashoene ming Reputal Lea than Multiplier Total Usage Above WQM Total Usage Above WQM More Total Usage Above WQM More Total Usage More than WQ Multiplier ## of Cashoene ming More than WQ Multiplier ## of Cashoene ming More than WQ Multiplier ## of Cashoene ming More than WQ Multiplier Total Usage Above WQM Total Usage More WQM ## of Cashoene ming More than WQ Multiplier ## of Cashoene ming Multiplier	15.08 12.0624643 Bi-Mooth 1 12.247 147.728 Bi-Mooth 1 570 45.346 Bi-Mooth 1 30.309 Bi-Mooth 1 7.70	15,509 12,769 12,376 13,376 14,701 15,501 15	36,73 \$1,460 85,55% 49,42% 49,42% 19,000	1.4(6) 68,700 68,700 68,700 68,700 87,70% Consumption 11,000 11,0	35,000 7,3995 7,3995 7,8136 1000 7,8136 1000 1000 1100 1100 1100 1100 1100 1	35,311 47,096 64,23% 24,56% Bi-Mouth 6 8,105 4,668 12,773 35,906 135,928 171,824 Bi-Mouth 6 584 41,156 58,44 11,563 33,966 133,591 133,396 133,978 141,82 263 133,396 133,986 133,986 133,986 134,156 55,719 Bi-Mouth 6	178.6 282.9 79.20% 41.80% 441.80% 441.81% 441.
Winter Quarter Multiplier Inside Village - Single Family of Castoners using Men then WQ Multiplier of Castoners using Men then WQ Multiplier of Castoners using Equal Less than Multiplier Total Castoners using Equal Less than Multiplier Total Castoners using Men then WQ Multiplier of Castoners using Men then WQ Multiplier of Castoners using Men than WQ Multiplier for Castoners using Men than WQ Multiplier Total Castoners using Men than WQ Multiplier of Castoners using Equal Less than Multiplier for Castoners using Men than WQ Multiplier of Castoners using Men than WQ Multiplier for Castoners using Men than WQ Multiplier Total Castoners Total Usage Anne WQM Total Usage Williage - Instite Village - Instite Vi	15.08 12.0624643 Bi-Month I 12.247 147.729 147.729 147.739 Bi-Month I 570 570 45.346 Bi-Month I 372 373 30.398 Bi-Month I 7.07 7.007 7.007	15.569 (41.70) 44.701 44.701 44.701 44.701 45.705 4	36,73 (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	13,000 GS 730 GS	35500 73,995 77,995 77,995 77,196 77,1196 100 100 100 100 100 100 100 100 100 10	53.11 64.276 64.276 64.276 64.276 64.276 64.276 64.286 64.686 64.686 64.686 64.686 64.686 64.686 64.686 64.686 64.686 64.686 64.686 64.686 64.686 64.686 64.6866 64.6866 64.68666 64.68666 64.686666 64.6866666 64.686666666666	179,6-6 282,9/1 79,20% 41,80% 41,80% 41,80% 41,80% 11,84,10% 11,84
Winter Quarter Multiplier Inside Village - Single Family ## of Casheson using More than WQ Multiplier ## of Casheson using Reputal Leas than Multiplier ## of Casheson using Reputal Leas than Multiplier Total Usage Above WQM Total Usage Above WQM ## of Casheson using More than WQ Multiplier ## of Casheson using More than WQ Multiplier ## of Casheson using More than WQ Multiplier ## of Casheson using Equal Leas than Multiplier Total Usage Above WQM Total Usage Above WQM ## of Casheson using More than WQ Multiplier ## of Casheson using Equal Leas than Multiplier Total Usage More than WQ Multiplier ## of Casheson using Equal Leas than Multiplier Total Usage Above WQM Total Usage Willinge - Industrial ## of Casheson using Bund Leas than Multiplier Total Usage More than WQ Multiplier ## of Casheson using Bund Leas than Le	15.08 12.0624643 Bi-Month I 12.247 147.729 147.729 147.739 Bi-Month I 570 570 45.346 Bi-Month I 372 373 30.398 Bi-Month I 7.07 7.007 7.007	32.76% 32.76% 32.37% 4.000 4.000 4.000 4.000 4.000 4.000	36,73 \$1,463 \$5,1463 \$5,1463 \$6,1463 \$1,460 \$1,100	1.1406 6.579 6.579 6.570	35500 73,995 74,157 74,	53.31 G4.25	178,64,201 79,20% 41,80
Winter Quarter Multiplier Inside Village - Single Family of Castoners using Men then WQ Multiplier of Castoners using Men then WQ Multiplier of Castoners using Equal Less than Multiplier Total Castoners using Equal Less than Multiplier Total Castoners using Men then WQ Multiplier of Castoners using Men then WQ Multiplier of Castoners using Men than WQ Multiplier for Castoners using Men than WQ Multiplier Total Castoners using Men than WQ Multiplier of Castoners using Equal Less than Multiplier for Castoners using Men than WQ Multiplier of Castoners using Men than WQ Multiplier for Castoners using Men than WQ Multiplier Total Castoners Total Usage Anne WQM Total Usage Williage - Instite Village - Instite Vi	15.08 12.0624643 Bi-Month I 12.247 147.729 147.729 147.739 Bi-Month I 570 570 45.346 Bi-Month I 372 373 30.398 Bi-Month I 7.07 7.007 7.007	15.569 (41.70) 44.701 44.701 44.701 44.701 45.705 4	36,73 (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	13,000 GS 730 GS	35500 73,995 77,995 77,995 77,196 77,1196 100 100 100 100 100 100 100 100 100 10	53.11 64.276 64.276 64.276 64.276 64.276 64.276 64.286 64.686 64.686 64.686 64.686 64.686 64.686 64.686 64.686 64.686 64.686 64.686 64.686 64.686 64.686 64.6866 64.6866 64.68666 64.68666 64.686666 64.6866666 64.686666666666	179,6-6 282,9/1 79,20% 41,80% 41,80% 41,80% 41,80% 11,84,10% 11,84

82.4227517 99.6387009 148.117077 165.656595 136.012427 103.498523 133.6671538 101.426667 138.75 196.74359 131.530864 132.935897 105.443038 141.2916667

Village of Downers Grove Water Rate Study

				Consum	ption Over		
		14.76%	15.50%	26.45%	23.76%	10.92%	18.84%
Outside Village - Single		Annual Total					
of Customers using More than WQ Multiplier		157	385	572	466	341	1,92
# of Customers using Equal/Less than Multiplier	1.065	907	694	517	630	759	3,50
Fotal Customers	1,065	1,064	1,079	1,089	1,096	1,100	5,42
Total Usage Above WQM		1,108	2,108	5,973	4,999	2,231	16,41
Total Usage within WQM Limits	16,908		14,868	15,192	14,784	14,432	73,39
Total Usage	16,908	15,229	16,976				89,81
Outside Village - Multi	Bi-Month 1	Bi-Month 2	Bi-Month 3	Bi-Month 4	Bi-Month 5	Bi-Month 6	Annual Total
of Customers using More than WQ Multiplier		1	5	5	4	3	1
of Customers using Equal/Less than Multiplier	16	15	11	11	12	13	
Fotal Customers	16	16	16	16	16	16	
Fotal Usage Above WQM							81
Fotal Usage within WQM Limits							22,20
Total Usage	5,317	4,537	4,677	4,752	4,666	4,437	23,00
Outside Village - Retail	Bi-Month 1	Bi-Month 2	Bi-Month 3	Bi-Month 4	Bi-Month 5	Bi-Month 6	Annual Tota
of Customers using More than WQ Multiplier		1	1	4	4	3	1
of Customers using Equal/Less than Multiplier	6	4	5	2	2	3	1
Total Customers	- 6	5	6	6	6	6	
otal Usage Above WQM							
Total Usage within WQM Limits							6
otal Usage	326	286	90	94	103	99	6
Outside Village - Other	Bi-Month 1	Bi-Month 2	Bi-Month 3	Bi-Month 4	Bi-Month 5	Bi-Month 6	Annual Tota
of Customers using More than WQ Multiplier		2	4	8	10	5	
of Customers using Equal/Less than Multiplier		8	9	5	3	7	
otal Customers	12	10	13	13	13	12	
otal Usage Above WQM							6,0
Fotal Usage within WQM Limits							4,6
Total Usage	1,269	2,450	2,540	2,563	2,135	1,029	10,71

Customer Over 14.70% 35.46% 52.40% 42.79% 31.04% 35.39%

Knottingham	Ri-Month 1	Bi-Month 2	Bi-Month 3	Bi-Month 4	Ri-Month 5	Ri-Month 6	Annual Total
Kilottilighalii	Di-Monii i	Di-Monti 2	Di-Monti 3	BI-MOIRII 4	Di-Month 3	Di-Moisii o	Aimuai Totai
# of Customers using More than WQ Multiplier		16	62	113	88	69	348
# of Customers using Equal/Less than Multiplier	237	221	176	126	153	172	848
Total Customers	237	237	238	239	241	241	1,196
Total Usage Above WQM		35	368	1,606	649	326	2,984
Total Usage within WQM Limits	4,560	3,659	3,870	3,989	3,865	3,939	19,322
Total Usage	4,560	3,694	4,238	5,595	4,514	4,265	22,306
Westmont	Bi-Month 1	Bi-Month 2	Bi-Month 3	Bi-Month 4	Bi-Month 5	Bi-Month 6	Annual Total
# of Customers using More than WQ Multiplier		20	32	47	47	18	164
# of Customers using Equal/Less than Multiplier	62	42	30	16	16	46	150
Total Customers	62	62	62	63	63	64	314
Total Usage Above WQM		53	205	702	723	244	1,927
Total Usage within WQM Limits	917	876	865	890	863	758	4,252

				Custo	mer Over		
		75.00%	90.69%	87.28%	78.27%	62.19%	79.25%
					ption Over		
		21.19%	58.40%	47.36%	36.58%	22.05%	43.66%
Outside Village - Single	Bi-Month 1	Bi-Month 2	Bi-Month 3	Bi-Month 4	Bi-Month 5	Bi-Month 6	Annual Total
of Customers using More than WQ Multiplier		175	1,024	993	908	723	3,82
# of Customers using Equal/Less than Multiplier	1,104	59	101	143			99
Total Customers	1,104	234	1,125	1,136	1,157	1,164	4,81
Total Usage Above WQM		744	16,671	12,255			40,17
Total Usage within WQM Limits	13,213	2,787	12,629	12,470			51,93
Total Usage	13,213	3,531	29,300	24,725	19,622	14,936	92,11
Outside Village - Multi	Bi-Month 1	Bi-Month 2	Bi-Month 3	Bi-Month 4	Bi-Month 5	Bi-Month 6	Annual Total
of Customers using More than WQ Multiplier		0	16	13			5
f of Customers using Equal/Less than Multiplier Fotal Customers	16	0	0 16	3 16			1
Total Usage Above WOM		0	5,674	818	1.333	894	8.71
Total Usage within WOM Limits	3.758	0	3,758	3,563			14.40
Total Usage	3,758	0	9,432	4,381			23,11
Outside Village - Retail	Bi-Month 1	Bi-Month 2	Bi-Month 3	Bi-Month 4	Bi-Month 5	Bi-Month 6	Annual Total
of Customers using More than WQ Multiplier		3	4	5	4	3	1
of Customers using Equal/Less than Multiplier	6	1	2	1	2		
Total Customers	6	4	6	6	6	6	2
Total Usage Above WQM		12	58	44			15
Total Usage within WQM Limits	75	39 51	75	71			32
Total Usage	75	51	133	115	101	80	48
Outside Village - Other	Bi-Month 1	Bi-Month 2	Bi-Month 3	Bi-Month 4	Bi-Month 5	Bi-Month 6	Annual Total
of Customers using More than WQ Multiplier		5	8	11			2
of Customers using Equal/Less than Multiplier Total Customers	12	6	5 13	13			1
otal Usage Above WQM		154	1.660	2.149	898	463	5.32
Total Usage within WOM Limits	883	558	681	865			3,52
Total Usage	883	712	2.341	3.014			8.84

Knottingham	Bi-Month 1	Bi-Month 2	Bi-Month 3	Bi-Month 4	Bi-Month 5	Bi-Month 6	Annual Total
# of Customers using More than WO Multiplier		0	239	200	185	140	76
of Customers using Equal/Less than Multiplier	241	0	2	44	60	108	21
Fotal Customers	241	0	241	244	245	248	97
Total Usage Above WOM		0	5.028	2.367	1.228	590	9,21
Total Usage within WQM Limits	3,315	0	3,259	3,199	3,139	3,024	12,62
Total Usage	3,315	0	8,287	5,566	4,367	3,614	21,83
Westmont	Bi-Month I	Bi-Month 2	Bi-Month 3	Bi-Month 4	Bi-Month 5	Bi-Month 6	Annual Total
# of Customers using More than WO Multiplier		52	46	67	56	49	27
# of Customers using Equal/Less than Multiplier	65	12	20	2	14	22	7
Total Customers	65	64	66	69	70	71	34
Total Usage Above WQM		273	177	1,306	712	250	2,71
Total Usage within WQM Limits	794	780	761	785	774	731	3,83
Total Usage	794	1.053	938	2.091	1.486	981	6,54

Total Inside Village Consumption

Model Index SCHEDULE 13C - CUSTOMER AND CONSUMPTION PROJECTIONS Village of Downers Grove Water Rate Study

SOMEDOLD ISO COSTOSILA	TD COMBONE	110.VIROJE	C110.10						Water Rate Study									
Inside Village	Meter Size	AWWA Equivalents	2005 Actual	2006 Actual	2007 Actual	2008 Actual	2009 Actual	2010 Projected	2011 Projected	2012 Projected	2013 Projected	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2019 Projected	2020 Projected
Single Family Residential	5/8	1.00	. retuur	744444	710001	11,788	12,331	12,331	12,331	12,331	12,331	12,331	12,331	12,331	12,331	12,331	12,331	12,331
	1 1 1/2	1.50 5.00				543 48	639 55	639 55										
	2	8.00				4	5	5	5	5	5	5	5	5	5	5	5	5
	3	15.00				1 12,384	13,031	13,031	13,031	13,031	13,031	13,031	13,031	13,031	13,031	13,031	13,031	13,031
Total EDU's						12,890	13,620	13,620	13,620	13,620	13,620	13,620	13,620	13,620	13,620	13,620	13,620	13,620
Multi Family																		
	5/8 1	1.00 1.50				179 77	190 79	190 79										
	1 1/2	5.00				149	149	149	149	149	149	149	149	149	149	149	149	149
	2	8.00 15.00				126 37	133 37	133 37										
	4	25.00				14	20	20	20	20	20	20	20	20	20	20	20	20
	6	50.00			-	4	612	612	612	612	612	4	612	612	612	612	612	612
Total EDU's						586 3,153	3,373	3,373	3,373	3,373	3,373	612 3,373	3,373	3,373	3,373	3,373	3,373	3,373
Retail																		
	5/8	1.00 1.50				201 49	215 53	215 53										
	1 1/2	5.00				62	69	69	69	69	69	69	69	69	69	69	69	69
	2	8.00				41	48	48	48	48	48	48	48	48	48	48	48	48
	3 4	15.00 25.00				29 20	30 22	30 22										
	6	50.00			-	2	2	2	2	2	2	2	2	2	2	2	2	22 2
Total EDU's						404 1,948	439 2,124	439 2,124										
Industrial																		
	5/8	1.00				13	13	13	13	13	13	13	13	13	13	13	13	13
	1 1 1/2	1.50 5.00				14 22	14 26	14 26										
	2	8.00				21	23	23	23	23	23	23	23	23	23	23	23	23
	3	15.00			-	10 80	10 86	10 86										
Total EDU's						462	498	498	498	498	498	498	498	498	498	498	498	498
Other																		
	5/8 1	1.00 1.50				91 53	102 55	102 55										
	1 1/2	5.00				94	96	96	96	96	96	96	96	96	96	96	96	96
	2	8.00 15.00				80 34	85 34	85 34										
	4	25.00				34	34	34	34	34	34	34	34	34	34	34	34	34
	6	50.00				6	6	6	6	6	6	6	6	6	6	6	6	6
	10	120.00			=	393	413	413	413	413	413	413	413	413	413	413	413	413
Total EDU's						3,061	3,125	3,125	3,125	3,125	3,125	3,125	3,125	3,125	3,125	3,125	3,125	3,125
Inside City Consumption																		
Residential 0 - 1 CCFs							626	620	614	607	601	595	589	583	578	572	566	560
1 - 2 CCFs							1,520	1,505	1,490	1,475	1,460	1,446	1,431	1,417	1,403	1,389	1,375	1,361
Over 2 CCFs Total Consumption						_	1,173,267 1,175,413	1,161,534 1,163,659	1,149,919 1,152,022	1,138,420 1,140,502	1,127,036 1,129,097	1,115,765 1,117,806	1,104,608 1,106,628	1,093,562 1,095,562	1,082,626 1,084,606	1,071,800 1,073,760	1,061,082 1,063,022	1,050,471
Non-Residential							1,175,115	1,100,007	1,102,022	1,110,002	1,123,037	1,117,000	1,100,020	1,075,502	1,001,000	1,075,700	1,000,022	1,002,002
Non-Residential 0 - 1 CCFs							256	253	251	248	246	243	241	239	236	234	232	229
1 - 2 CCFs							422	418	414	409	405	401	397	393	389	386	382	378
Over 2 CCFs Total Consumption						_	1,005,810 1,006,488	995,752 996,423	985,794 986,459	975,936 976,594	966,177 966,828	956,515 957,160	946,950 947,588	937,481 938,113	928,106 928,731	918,825 919,444	909,637 910,250	900,540 901,147
Commercial Total Consumption							953,073	943,542	934,107	924,766	915,518	906,363	897,299	888,326	879,443	870,649	861,942	853,323
Industrial Total Consumption							53,415	52,881	52,352	51,829	51,310	50,797	50,289	49,786	49,288	48,796	48,308	47,824

2,181,901 2,160,082

2,138,481

2,117,096

2,095,925

2,074,966

2,054,216

2,013,338

1,993,204

2,033,674

1,973,272

1,953,539

SCHEDULE 13C - CUSTOMER AND CONSUMPTION PROJECTIONS

Village of Downers Grove

SCHEDULE ISC - CUSTOMER A	ND CONSUMI	HONTKOJ	ECHONS						Village of Downers Gr Water Rate Study	rove								
Outside Village Single Family Customers	Meter Size					FY 08 Actual	FY 09 Actual	FY 10 Projected	FY 11 Projected	FY 12 Projected	FY 13 Projected	FY 14 Projected	FY 15 Projected	FY 16 Projected	FY 17 Projected	FY 18 Projected	FY 19 Projected	FY 20 Projected
oligie runny customers	5/8	1.00 1.50			=	1,036	1,089	1,089 98	1,089 98	1,089 98	1,089 98	1,089 98	1,089 98	1,089 98	1,089 98	1,089 98	1,089 98	1,089 98
	1 1/2	5.00			=	6 1,126	7 1,194	7 1,194	7 1,194	7 1,194	7 1,194	7 1,194	7 1,194	7 1,194	7 1,194	7 1,194	7 1,194	7 1,194
Total EDU's						1,192	1,271	1,271	1,271	1,271	1,271	1,271	1,271	1,271	1,271	1,271	1,271	1,271
Multi Family Customers	5/8	1.00					1	1	1						1	1		1
	1 1 1/2	1.50				1 2	1	1	1 2	1	1	1	1	1	1	1	1	1 2
	2	8.00			-	12 16	12 16	12	12 16	12 16	12 16	12 16	12 16	12 16	12 16	12 16	12 16	12
Total EDU's						109	109	109	109	109	109	109	109	109	109	109	109	109
Retail Customers	£ 10	1.00				5	5	5	5	5	5	5	5	5	5	5	5	5
	5/8 1 1 1/2	1.50 5.00				0	0	0	0	0	0	0	0	0	0	0	0	0
Total EDU's	1 1/2	5.00			=	6	6	6	6	6	6	6	6	6	6	6	6	6
						10	10	10	10	10	10	10	10	10	10	10	10	10
Other	5/8	1.00				6	6	6	6	6	6	6	6	6	6	6	6	6
	1 1/2	1.50 5.00				2	1 2	1	3	1	1	1	1	1	3	3	3	1 2
	2 4	8.00 25.00			=	2	2	2	2	2	2	2	2	2	2 2	2 2	2 2	2 2 14
Total EDU's						13 80	14 82	14 82	14 82	14 82	14 82	14 82	14 82	14 82	14 82	14 82	14 82	14 82
Outside City Consumption																		
Residential							73	72	72	71	70	69	69	68	67	67		
0 - 1 CCFs 1 - 2 CCFs							198	196	194	192	190	188	186	185	183	181	66 179	65 177
Over 2 CCFs Total Consumption						_	97,317 97,588	96,344 96,612	95,380 95,646	94,427 94,690	93,482 93,743	92,547 92,805	91,622 91,877	90,706 90,958	89,799 90,049	88,901 89,148	88,012 88,257	87,132 87,374
Non-Residential							4	4										
0 - 1 CCFs 1 - 2 CCFs							12	12	4 12	4 12	4 12	4 11	4 11	4 11	4 11	4 11	4 11	4
Over 2 CCFs Total Consumption						_	32,857 32,873	32,528 32,544	32,203 32,219	31,881 31,897	31,562 31,578	31,247 31,262	30,934 30,949	30,625 30,640	30,319 30,333	30,015 30,030	29,715 29,730	29,418 29,432
Knottingham						2008	2000	2010	2011	2012	2012	2014	2015	2016	2017	2010	2010	2020
Single Family Customers	Meter Size				-	Actual	2009 Actual	2010 Projected	2011 Projected	2012 Projected	2013 Projected	Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2019 Projected	Projected
	5/8 1				_	236 5	244 5	244 5	244 5	244 5	244 5	244 5	244 5	244 5	244 5	244 5	244 5	244 5
						241	249	249	249	249	249	249	249	249	249	249	249	249
Total Consumption							22,553	22,327	22,104	21,883	21,664	21,448	21,233	21,021	20,811	20,603	20,397	20,193
Westmont Single Family Customers	Meter Size					2008 Actual	2009 Actual	2010 Projected	2011 Projected	2012 Projected	2013 Projected	2014 Projected	2015 Projected	2016 Projected	2017 Projected	2018 Projected	2019 Projected	2020 Projected
	5/8 1				=	49 15	54 18	54 18	54 18	54 18	54 18	54 18	54 18	54 18	54 18	54 18	54 18	54 18
					=	64	72	72	72	72	72	72	72	72	72	72	72	72
0 - 1 CCFs 2 - 13 CCFs							405 3,960	401 3,920	397 3,881	393 3,842	389 3,804	385 3,766	381 3,728	377 3,691	374 3,654	370 3,618	366 3,581	363 3,546
Over 13 CCFs						=	2,978 7,343	2,948 7,270	2,919 7,197	2,890 7,125	2,861 7,054	2,832 6,983	2,804 6,913	2,776 6,844	2,748 6,776	2,720 6,708	2,693 6,641	2,666 6,574
Total Outside Village							160,357	158,753	157,166	155,594	154,038	152,498	150,973	149,463	147,969	146,489	145,024	143,574
Total System Consumption (CCF)			2,746,026	2,568,263	2,645,973	2,533,934	2,342,258	2,318,835	2,295,647	2,272,691	2,249,964	2,227,464	2,205,189	2,183,138	2,161,306	2,139,693	2,118,296	2,097,113
Total System Consumption (cubic Feet)		274,602,600	256,826,300	264,597,300	253,393,400	234,225,800	231,883,542	229,564,707	227,269,060	224,996,369	222,746,405	220,518,941	218,313,752	216,130,614	213,969,308	211,829,615	209,711,319
Totally System Consumption (MCF) Total System Consumption (gallons)			274,603 2,054,027,448	256,826 1,921,060,724	264,597 1,979,187,804	253,393 1,895,382,632	234,226 1,752,008,984	231,884 1,734,488,894	229,565 1,717,144,005	227,269 1,699,972,565	224,996 1,682,972,840	222,746 1,666,143,111	220,519 1,649,481,680	218,314 1,632,986,863	216,131 1,616,656,995	213,969 1,600,490,425	211,830 1,584,485,520	209,711 1,568,640,665
			2054.027448	1921.060724	1979.187804	1895.382632	1752.008984	1734.488894										
			5.63 6.59	5.26 6.59	5.42 6.59	5.19 6.59	4.80 6.59	4.75 6.59	5.261									

 $0.854070794 \qquad 0.79878283 \qquad 0.822952245 \qquad 0.788105802 \qquad 0.728490608 \qquad 0.721205702$

SCHEDULE 14A - FY 08 RATE RECONCILIATION

 Actual Revenues Collected
 2008

 \$ 6,900,114
 \$

		2008 A	Actuals
Consumption Information *in CCFs	_	Bills	Consumption
Inside Village		83,082	2,223,335
Outside Village		6,966	148,094
Westmont			7,096
	0 - 1 CCFs		6%
	2 - 13 CCFs		54%
	Over 13 CCFs		41%
Knottingham			26,866

Current Rate Structure

Inside Village						Outside Village				Ī
Minimum Charge			2008	2008				2008	2008	
Cost Allocated = # of Customers Billed Minimum Minimum Charge	2.00	\$	435,829 83,082 5.25	451,966 83,082 5.44	-3.6%	Cost Allocated = # of Customers Billed Minimum Minimum Charge	2.00	\$ 46,160 6,966 6.63	46,533 6,966 6.68	-0.8%
Consumption = Cost Allocated = Unit Rate (per CCF)	90.83% 1.00	\$ \$	FY 10 2,223,335 6,267,374 2.62	FY 10 2,223,335 6,047,471 2.72	-3.6%	Consumption = Cost Allocated = Unit Rate (per CCF)	7.78% 1.00	FY 10 148,094 536,829 3.31	\$ FY 10 148,094 494,634 3.34	-0.8%
Westmont Customers	0.27%					Knottingham	1.12%			
		_	2009	2009						
Level 1: 0 - 1 CCF Consumption =			391	391		Consumption =		26,866	26,866	
Cost Allocated =		\$	1,551	1,566		Cost Allocated =		\$ 77,281	\$ 77,374	
Unit Rate (per CCF)	1.00	\$	3.96	4.00	-1.0%	Unit Rate (per CCF)		\$ 2.88	2.88	-0.1%
Level 2: 2 - 13 CCFs										
Consumption =			3,827	3,827						
Cost Allocated =		\$	8,528	\$ 8,610						
Unit Rate (per CCF)	0.56	\$	2.23	\$ 2.25	-1.0%					
Level 3: Over 13 CCFs										
Consumption =			2,878	2,878						
Cost Allocated =		\$	8,551	8,633						
Unit Rate (per CCF)	0.75	\$	2.97	\$ 3.00	-1.0%					
Collected Revenue - Inside Village		\$	6,267,374	\$ 6.499.437						
Collected Revenue - Outside Village		\$	536,829	541,167						
Collected Revenue - Knottingham		\$	18,630	18,809						
Collected Revenue - Westmont		\$	77,281	77,374						
Total Collected Revenue		\$	6,900,114	\$ 7,136,787						
		\$	6,900,114	-3.32%						

SCHEDULE 14B - FY 09 RATE RECONCILIATION

 Z009

 Actual Revenues Collected
 \$ 7,164,670

			2009
Consumption Information *in CCFs			Consumption
Inside Village		Jan - Apr	415,884
		May - Dec	1,770,927
Outside Village		Jan - Apr	20,807
_		May - Dec	110,117
Westmont	0 - 1 CCFs		405
	2 - 13 CCFs		3,960
	Over 13 CCFs		2,978
Knottingham			22,553

Current Rate Structure

Inside Village	92.46%						Outside Village	6.40%				
Minimum Charge		_	2009		2009				_	2009	2009	
Consumption = Cost Allocated = Unit Rate (per CCF)	0.9	\$ \$	415,884 1,202,161 2.89		415,884 1,193,587 2.87	0.7%	Consumption = Cost Allocated = Unit Rate (per CCF)	0.9	\$	20,807 69,379 3.33	\$ 20,807 69,495 3.34	-0.2%
Consumption = Cost Allocated = Unit Rate (per CCF)	1.0	\$ \$	1,770,927 5,422,292 3.06		1,770,927 5,383,618 3.04	0.7%	Consumption = Cost Allocated = Unit Rate (per CCF)	1.0	\$ \$	110,117 389,160 3.53	\$ 110,117 389,814 3.54	-0.2%
Westmont Customers	0.26%						Knottingham	0.88%				
			2009		2009					2009	2009	
Level 1: 0 - 1 CCF			105		10.5		G :			22.552	22.552	
Consumption = Cost Allocated =		\$	405 1,550	¢	405 1,620		Consumption = Cost Allocated =		\$	22,553 63,049	22,553 64,953	
Unit Rate (per CCF)	1.00	\$	3.83		4.00	-4.3%	Unit Rate (per CCF)		\$	2.80	2.88	-2.9%
Level 2: 2 - 13 CCFs Consumption =		Φ.	3,960	•	3,960							
Cost Allocated = Unit Rate (per CCF)	0.56	\$ \$	8,527 2.15		8,910 2.25	-4.3%						
Level 3: Over 13 CCFs Consumption = Cost Allocated =		\$	2,978 8,550	\$	2,978 8,934							
Unit Rate (per CCF)	0.75	\$	2.87	\$	3.00	-4.3%						
Collected Revenue - Inside Village		\$	6,624,454		6,577,205							
Collected Revenue - Outside Village Collected Revenue - Westmont		\$	458,539		459,310							
		\$	18,628		19,464							
Collected Revenue - Knottingham Total Collected Revenue		\$ \$	63,049 7,164,670		64,953 7,120,931							
Total Collected Revenue		\$ \$	7,164,670		0.61%							

SCHEDULE 14C - FY 10 RATE RECONCILIATION

Council Adopted Projected Revenues 2010 \$ 7,955,137

2010 (no growth from FY 09)

Consumption Information *in CCFs			Consumption
Inside Village		Jan - June	920,650
		July - Dec	1,266,161
Outside Village		Jan - June	58,056
_		July - Dec	72,868
Westmont	0 - 1 CCFs		401
	2 - 13 CCFs		3,920
	Over 13 CCFs		2,948
Knottingham			22,553

Current Rate Structure

Inside Village	92.43%						Outside Village	6.45%				
Minimum Charge		20	010 (no growt	h fr	om FY 09)				20	10 (no growth fr	om FY 09)	
Consumption =			920,650		920,650		Consumption =			58,056	58,056	
Cost Allocated =		\$	2,944,254	\$	2,798,776		Cost Allocated =		\$	216,954 \$	205,518	
Unit Rate (per CCF)	0.9	\$	3.20		3.04	5.2%	Unit Rate (per CCF)	0.9	\$	3.74 \$	3.54	5.6%
Consumption =			1,266,161		1,266,161		Consumption =			72,868	72,868	
Cost Allocated =		\$	4,408,838	\$			Cost Allocated =		\$	296,152 \$	280,542	
Unit Rate (per CCF)	1.0	\$	3.48		3.31	5.2%	Unit Rate (per CCF)	1.0	\$	4.06 \$	3.85	5.6%
omi Rate (per Cer)	1.0	Ψ	5.40	Ψ	5.51	3.270	om rate (per cer)	1.0	Ψ	4.00 ψ	3.03	3.0%
Westmont Customers	0.26%						Knottingham	0.86%				
			010 (no growt	h fr	om FY 09)				20	10 (no growth fr	om FY 09)	_
Level 1: 0 - 1 CCF												
Consumption =			401		401		Consumption =			22,553	22,553	
Cost Allocated =		\$	1,708		1,604		Cost Allocated =		\$	68,414 \$	64,953	
Unit Rate (per CCF)	1.00	\$	4.26	\$	4.00	6.5%	Unit Rate (per CCF)		\$	3.03 \$	2.88	5.3%
Level 2: 2 - 13 CCFs												
Consumption =			3,920		3,920							
Cost Allocated =		\$	9,395	\$	8,821							
Unit Rate (per CCF)	0.56	\$	2.40		2.25	6.5%						
Level 3: Over 13 CCFs												
Consumption =			2,948		2,948							
Cost Allocated =		\$	9,421	\$	8,845							
Unit Rate (per CCF)	0.75	\$	3.20	\$	3.00	6.5%						
Collected Revenue - Inside Village		\$	7,353,092	\$	6,989,769							
Collected Revenue - Outside Village		\$	513,106	\$	486,060							
Collected Revenue - Westmont		\$	20,524		19,269							
Collected Revenue - Knottingham		\$	68,414		64,953							
Total Collected Revenue		\$	7,955,137		7,560,051							
		\$	7,955,137		5.23%							

SCHEDULE 14D - FY 11 RATE ANALYSIS

Downers Grove Revenue Requirements	2011 \$ 9.143.763
Downers Grove Revenue Requirements	φ 9,143,703
Rev. Req Fixed Portion	\$ 1,258,671
Rev. Req Variable Portion	\$ 7,885,092
Consumption Information *in CCFs	2011 (no growth from FY 09) Total EDU's
Inside Village (including min. 2 CCFs)	2,139,346 22,738
Residential (No Min. Usage)	1,152,022
Non-Residential (No Min. Usage)	986,459
Commercial	953,073
Industrial	53,415
Outside Village (including min. 2 CCFs)	127,940 1,471
Residential (No Min. Usage)	95,646
Non-Residential (No Min. Usage)	32,219

Water Conservation	
Alternative C	
Residential Consumption Conservation	
Level 2 Reduction Level	4.0%
Level 3 Reduction Level	7.0%
Alternative D	
Residential Consumption Conservation	
Level 2 Reduction Level	4.0%
Level 3 Reduction Level	7.0%
Commercial Consumption Conservation	
Level 2 Reduction Level	4.0%
Level 3 Reduction Level	7.0%
Industrial Consumption Conservation	
Level 2 Reduction Level	4.0%
Level 3 Reduction Level	7.0%

Alternative A - Current Rate Structure

Inside Village	93.50%		201	0		Outside Village	6.50%		2010	
		 2011	Curre	ent				 2011	Curren	
Consumption =		2,139,346	2,13	39,346		Consumption =		127,940	127	.940
Cost Allocated =		\$ 8,549,418				Cost Allocated =		\$ 594,345		
Unit Rate (per CCF)		\$ 4.00	\$	3.31	20.7%	Unit Rate (per CCF)		\$ 4.65	\$.85 20.7%
Collected Revenue - Inside Village		\$ 8,549,418	\$ 7,08	1,234		•				
Collected Revenue - Outside Village		\$ 594,345	\$ 49	2,570						
Total Collected Revenue		\$ 9,143,763	\$ 7,57	3,804						
		\$ 9,143,763	20.73	3%						

Alternative B - Fixed Charge Based on Meter Size with Unit Rate Volume Charge

Bi-Monthly Fixed Charge						
Total EDU's		24,209				
Cost Allocated =		\$ 1,258,671				
Bi-Monthly Fixed Charge		\$ 8.67				
Inside Village	93.50%		Outside Villag	e	6.50%	
		2011				2011
Variable Charges			Variable Charg	es		
Consumption =		2,138,481	Consumption =	:		127,865
Cost Allocated =		\$ 7,372,561	Cost Allocated	=	\$	512,531
Unit Rate (per CCF)		\$ 3.45	Unit Rate (per	CCF)	\$	4.01
Collected Revenue - Fixed Charge		\$ 1,258,671				
Collected Revenue - Inside Village		\$ 7,372,561				
Collected Revenue - Outside Village		\$ 512,531				
Total Collected Revenue		\$ 9,143,763				
1		\$ 9,143,763				

Alternative B Phase-In - Fixed Charge Based on Meter Size with Unit Rate Volume Charge

Bi-Monthly Fixed Charge					
Total EDU's % of Revenue Collected in Fixed Charge =	10.00%	\$ 24,209 914,376			
Bi-Monthly Fixed Charge	10.00%	\$ 6.30			
Inside Village	93.50%		Outside Village	6.50%	
Variable Charges		 2011	Variable Charges		 2011
Consumption =		2,138,481	Consumption =		127,865
Cost Allocated =	90.00%	\$ 7,694,477	Cost Allocated =		\$ 534,910
Unit Rate (per CCF)		\$ 3.60	Unit Rate (per CCF)		\$ 4.18
Collected Revenue - Fixed Charge		\$ 914,376	L		
Collected Revenue - Inside Village		\$ 7,694,477			
Collected Revenue - Outside Village		\$ 534,910			
Total Collected Revenue		\$ 9,143,763			
		\$ 9,143,763			

Alternative C - Fixed Charge Based on Meter Size with Residential Inclining Block Rate

		24 200				
	e	,				
	Þ	8.07				
93.50%			Outside Village	6.50%		
		2011	Variable Charges			2011
54%			Residential Block Rate Structure	75%		
			Level 1: 0 - 15 CCFs			
69%		790,801	Consumption =	69%		66,012
	\$	2,518,730	Cost Allocated =		\$	244,428
1.00	\$	3.19	Unit Rate (per CCF)	1.00	\$	3.70
			Level 2: 15 - 30 CCFs			
21%		234 958		20%		18,768
2170	\$			2070	\$	86,868
1.25	\$	3.98	Unit Rate (per CCF)	1.25	\$	4.63
			Level 3: Over 30 CCEs			
10%		108 321		11%		9,378
10%	\$			1170	•	52,089
1.50	\$	4.78	Unit Rate (per CCF)	1.5	\$	5.55
46%			Non-Residential Unit Rate	25%		
		986.459	Consumption =			32.219
	\$,			\$	129,145
	\$	3.45	Unit Rate (per CCF)		\$	4.01
	\$	1 258 671				
oes.						
		- /- / /				
	-					
one charges						
6	54% 69% 1.00 21% 1.25 10% 1.50	54% 69% \$ 1.00 \$ \$ 1.25 \$ \$ 10% \$ 1.50 \$ \$ 46% Seges \$ 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	\$ 8.67 93.50% 2011 54% 69%	\$ 1,258,671 \$ 8.67 Solution Solution	\$ 1,258,671 \$ 8.67 Solution	\$ 1,258,671 \$ 8.67 Solution Solution

\$ 9,143,763

Alternative D - Fixed Charge Based on Meter Size with Multiple Class Inclining Block Rates

Bi-Monthly Fixed Charge								
'otal EDU's			24,209					
Cost Allocated =		\$	1,258,671					
Bi-Monthly Fixed Charge		\$	8.67					
nside Village	93.50%			Outside Village	6.50%			
Variable Charges			2011	Variable Charges			2011	
•								
Residential Block Rate Structure				Residential Block Rate Structure	75%			
evel 1: 0 - 15 CCFs				Level 1: 0 - 15 CCFs				
onsumption =	69%	¢.	790,801	Consumption =	69%	¢.	66,012	
ost Allocated = (nit Rate (per CCF)	1.00	\$ \$	2,361,309 2.99	Cost Allocated = Unit Rate (per CCF)	1.00	\$ \$	236,921 3.59	
onit Rate (per CCF)	1.00	Ф	2.99	Oilit Rate (per CCF)	1.00	Ф	3.39	
evel 2: 15 - 30 CCFs				Level 2: 15 - 30 CCFs				
Consumption =	21%		234,958	Consumption =	20%		18,768	
Cost Allocated =		\$	876,972	Cost Allocated =		\$	84,200	
Jnit Rate (per CCF)	1.25	\$	3.73	Unit Rate (per CCF)	1.25	\$	4.49	
evel 3: Over 30 CCFs				Level 3: Over 30 CCFs				
Consumption =	10%		108,321	Consumption =	11%		9,378	
Cost Allocated =		\$	485,165	Cost Allocated =		\$	50,489	
Unit Rate (per CCF)	1.50	\$	4.48	Unit Rate (per CCF)	1.50	\$	5.38	
Commercial Unit Rate				Commercial Unit Rate				
evel 1: 0 - 100 CCFs				Level 1: 0 - 100 CCFs				
Consumption =	37%		355,235	Consumption =	32%		10,367	
ost Allocated =	5.70	\$	1,060,722	Cost Allocated =	52.0	\$	37,210	
Init Rate (per CCF)	1.00	\$	2.99	Unit Rate (per CCF)	1.00	\$	3.59	
evel 2: 100 - 200 CCFs				Level 2: 100 - 200 CCFs				
Consumption =	17%		152,925	Consumption =	25%		7,809	
Cost Allocated =		\$	570,788	Cost Allocated =		\$	35,036	
Jnit Rate (per CCF)	1.25	\$	3.73	Unit Rate (per CCF)	1.25	\$	4.49	
evel 3: Over 200 CCFs				Level 3: Over 200 CCFs				
Consumption =	46%		407,843	Consumption =	43%		12,756	
Cost Allocated =		\$	1,826,712	Cost Allocated =		\$	68,675	
Jnit Rate (per CCF)	1.50	\$	4.48	Unit Rate (per CCF)	1.50	\$	5.38	
ndustrial Unit Rate								
evel 1: 0 - 130 CCFs								
Consumption =	42%		22,223					
Cost Allocated =		\$	66,357					
Init Rate (per CCF)	1.00	\$	2.99					
evel 2: 130 - 260 CCFs								
Consumption =	17%		8,890					
Cost Allocated =		\$	33,180					
Init Rate (per CCF)	1.25	\$	3.73					
evel 3: Over 260 CCFs								
Consumption =	41%		20,397					
ost Allocated =		\$	91,356					
Init Rate (per CCF)	1.50	\$	4.48					
Collected Revenue - Fixed Charge		\$	1,258,671	1				
Collected Revenue - Inside Village Residential Variable C	harges	\$	3,723,445					
ollected Revenue - Inside Village Commercial Variable	Charges	\$	3,458,222					
ollected Revenue - Inside Village Industrial Variable Cha		\$	190,894					
ollected Revenue - Outside Village Residential Variable		\$	371,610					
Collected Revenue - Outside Village Commercial Variable	Charges	\$	140,921					
Total Collected Revenue		\$	9,143,763					

Village of Downers Grove Water Rate Study

SCHEDULE 15 - RATE PROJECTIONS

	Current	Rates	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Net Revenue Requirements		\$	9,143,763 \$	10,205,695 \$	11,177,783 \$	11,751,597	\$ 12,204,803 \$	16,108,819 \$	17,879,936 \$	18,946,217 \$	19,786,017 \$	20,761,110
Rev. Req Fixed Portion Rev. Req Variable Portion	13.8% 86.2%	\$ \$	1,258,671 \$ 7,885,092 \$	1,296,431 \$ 8,909,263 \$	1,335,324 \$ 9,842,459 \$			1,459,145 \$ 14,649,674 \$		1,548,007 \$ 17,398,210 \$		
Total Inside Village EDU's Total Outside Village EDU's			22,738 1,471	22,738 1,471	22,738 1,471	22,738 1,471	22,738 1,471	22,738 1,471	22,738 1,471	22,738 1,471	22,738 1,471	22,738 1,471
Inside Village Consumption 0 - 1 CCF			864	856	847	839	830	822	814	806	798	790
Over 1 CCF			2,137,617	2,116,241	2,095,078	2,074,127	2,053,386	2,032,852	2,012,524	1,992,398	1,972,474	1,952,750
Residential (in CCFs) Non-Residential (in CCFs) Commercial (in CCFs) Industrial (in CCFs)			1,152,022 986,459 934,107 52,352	1,140,502 976,594 924,766 51,829	1,129,097 966,828 915,518 51,310	1,117,806 957,160 906,363 50,797	1,106,628 947,588 897,299 50,289	1,095,562 938,113 888,326 49,786	1,084,606 928,731 879,443 49,288	1,073,760 919,444 870,649 48,796	1,063,022 910,250 861,942 48,308	1,052,392 901,147 853,323 47,824
Outside Village Consumption												
0 - 1 CCF Over 1 CCF			75 127,789	75 126,511	74 125,246	73 123,994	72 122,754	72 121,526	71 120,311	70 119,108	70 117,917	69 116,738
Residential (in CCFs) Non-Residential (in CCFs)			95,646 32,219	94,690 31,897	93,743 31,578	92,805 31,262	91,877 30,949	90,958 30,640	90,049 30,333	89,148 30,030	88,257 29,730	87,374 29,432
Alternative A - Current Rate Structure												
Breakeven Rates												
Inside Village	93.50%											
Unit Rate per CCF	\$	3.31 \$	4.00 \$ 20.7%	4.51 \$ 12.7%	4.98 \$ 10.6%	5.29 6.2%	\$ 5.55 \$ 4.9%	7.40 \$ 33.3%	8.30 \$ 12.1%	8.88 \$ 7.0%	9.37 \$ 5.5%	9.93 6.0%
Outside Village	6.50%											
Unit Rate per CCF	\$	3.85 \$	4.65 \$ 20.7%	5.24 \$ 12.7%	5.79 \$ 10.6%	6.15	\$ 6.45 \$ 4.9%	8.61 \$ 33.3%	9.65 \$ 12.1%	10.33 \$ 7.0%	10.89 \$ 5.5%	11.55 6.0%
Total Collected Revenue - Inside Village Total Collected Revenue - Outside Village Total Collected Revenue Total Required Revenue Total Surplus/Shortfall		\$ \$ \$ \$	8,549,418 \$ 594,345 \$ 9,143,763 \$ 9,143,763 \$	9,542,325 \$ 663,370 \$ 10,205,695 \$ 10,205,695 \$	726,556 \$ 11,177,783 \$ 11,177,783 \$	763,854 11,751,597 11,751,597	\$ 12,204,803 \$	1,047,073 \$ 16,108,819 \$ 16,108,819 \$	1,162,196 \$ 17,879,936 \$ 17,879,936 \$	1,231,504 \$ 18,946,217 \$ 18,946,217 \$	1,286,091 \$ 19,786,017 \$	1,349,472 20,761,110 20,761,110
User Defined Rates												
Inside Village												
Unit Rate per CCF	\$	3.31	14.7% \$3.80	14.0% \$4.33	14.0% \$4.93	10.0% \$5.43	9.0% \$5.92 \$	10.0% 6.51 \$	10.0% 7.16 \$	10.0% 7.87 \$	10.0% 8.66 \$	10.0% 9.53
Outside Village												
Unit Rate per CCF	\$	3.85	14.7% \$4.42	14.0% \$5.03	14.0% \$5.74	10.0% \$6.31	9.0% \$6.88 \$	10.0% 7.57 \$	10.0% 8.33 \$	10.0% 9.16 \$	10.0% 10.07 \$	10.0% 11.08
Total Collected Revenue - Inside Village Total Collected Revenue - Outside Village Total Collected Revenue Total Required Revenue Total Surplus/Shortfall		\$ \$ \$ \$	8,122,175 \$ 564,978 \$ 8,687,153 \$ 9,143,763 \$ (456,610) \$	9,166,687 \$ 637,634 \$ 9,804,321 \$ 10,205,695 \$ (401,374) \$	719,634 \$ 11,065,157 \$ 11,177,783 \$	783,681 12,049,956 11,751,597	\$ 12,204,803 \$	920,935 \$ 14,160,384 \$ 16,108,819 \$	1,002,898 \$ 15,420,658 \$ 17,879,936 \$	16,793,097 \$	1,189,358 \$ 18,287,682 \$ 19,786,017 \$	1,295,211 19,915,286 20,761,110

Village of Downers Grove Water Rate Study

Alternative R - Fixed Char	ge Based on Meter Size with	Unit Pate Volume Charge
Alternative D - Fixed Char	ze daseu on Meter Size with	Unit Kate volume Charge

User Defined Rates											
Bi-Monthly Fixed Charge		\$8.23	\$9.29	\$10.49	\$11.42	\$12.32	\$13.42	\$14.61	\$15.91	\$17.33	\$18.87
Inside Village	93.5%										
Unit Rate per CCF		\$3.28	\$3.73	\$4.26	\$4.68	\$5.10 \$	5.61 \$	6.18 \$	6.79 \$	7.47 \$	8.22
Outside Village	6.5%										
Unit Rate per CCF		\$3.81	\$4.34	\$4.95	\$5.44	\$5.93 \$	6.53 \$	7.18 \$	7.90 \$	8.69 \$	9.56
Total Collected Revenue - Fixed Charge Total Collected Revenue - Inside Village Total Collected Revenue - Outside Village Total Collected Revenue Total Required Revenue Total Surplus/Shortfall		\$ 1,195,817 \$ 7,004,399 \$ \$ 486,937 \$ \$ 8,687,153 \$ 9,143,763 \$ \$ (456,610) \$	549,557 S 9,804,321 S	8,921,769 \$ 6 620,230 \$ 7 11,065,157 \$ 7 11,177,783 \$	9,715,806 \$ 675,430 \$ 12,049,956 \$ 11,751,597	\$ 10,484,327 \$ 728,857 \$ 13,003,107 \$ 12,204,803 \$	11,417,432 \$ 793,725 \$ 14,160,384 \$ 16,108,819 \$	12,433,583 \$ 864,367 \$ 15,420,658 \$ 17,879,936 \$	941,295 \$ 16,793,097 \$ 18,946,217 \$	14,745,247 \$ 1,025,071 \$ 18,287,682 \$	16,057,574 1,116,302 19,915,286
Alternative B Phase-In - Fixed Charge Based on Meter Size with U	nit Rate Volume Charge		6.50	2.17	11.67						
User Defined Rates % of Revenues Collected in Fixed C	harge	9.50%	12%	14%	14%	14%	14%	14%	14%	14%	14%
Bi-Monthly Fixed Charge		\$ 5.68 \$			11.42			14.61 \$	15.91 \$		18.87
% of Revenues Collected in Variable Ch Inside Village	93.5%	91%	89%	86%	86%	86%	86%	86%	86%	86%	86%
Unit Rate per CCF	75.5 10	\$ 3.44 \$	3.83	6 4.26 \$	4.68	§ 5.10 \$	5.61 \$	6.18 \$	6.79 \$	7.47 \$	8.22
Outside Village	6.5%	φ 5.44 ψ	3.63	7.20 ¥	4.00 4	ў <u>5.10</u> ф	3.01 ¢	0.16 \$	0.72 φ	7.47 φ	0.22
Unit Rate per CCF	0.5 %	\$ 4.00 \$	4.46	6 4.95 \$	5.44 \$	5.93 \$	6.53 \$	7.18 \$	7.90 \$	8.69 \$	9.56
Total Collected Revenue - Fixed Charge Total Collected Revenue - Inside Village Total Collected Revenue - Outside Village Total Collected Revenue Total Required Revenue Total Surplus/Shortfall		\$ 825,280 \$ 7,350,852 \$ 511,022 \$ 8,687,153 \$ 9,143,763 \$ (456,610) \$	1,127,497 \$ 8,112,831 \$ 563,994 \$ 9,804,321 \$	5 1,523,158 \$ 5 8,921,769 \$ 6 620,230 \$ 6 11,065,157 \$ 7 11,177,783 \$	1,658,719 \$ 9,715,806 \$ 675,430 \$ 12,049,956 \$ 11,751,597 \$	\$ 1,789,924 \$ 10,484,327 \$ 728,857 \$ 13,003,107 \$ 12,204,803 \$	1,949,227 \$ 11,417,432 \$ 793,725 \$ 14,160,384 \$ 16,108,819 \$	2,122,708 \$ 12,433,583 \$ 864,367 \$ 15,420,658 \$ 17,879,936 \$	2,311,629 \$ 13,540,172 \$ 941,295 \$ 16,793,097 \$ 18,946,217 \$	2,517,364 \$ 14,745,247 \$ 1,025,071 \$ 18,287,682 \$ 19,786,017 \$	2,741,410 16,057,574 1,116,302 19,915,286
Alternative C - Fixed Charge Based on Meter Size with Residential	Inclining Block Rate										
User Defined Rates											
Bi-Monthly Fixed Charge		\$ 8.23 \$	9.29	5 10.49 \$	11.42	\$ 12.32 \$	13.42 \$	14.61 \$	15.91 \$	17.33 \$	18.87
Inside Village	93.50%										
Variable Charges	Conservation										
Residential Block Rate Structure	54%										
Level 1: 0 - 15 CCFs Unit Rate (per CCF)	69%	\$ 3.03 \$	3.45	3.93 \$	4.33	\$ 4.72 \$	5.19 \$	5.71 \$	6.28 \$	6.90 \$	7.59
Level 2: 15 - 30 CCFs Unit Rate (per CCF)	21% 1.25 4%	\$ 3.78 \$	4.31	4.92 \$	5.41 \$	5.89 \$	6.48 \$	7.13 \$	7.84 \$	8.63 \$	9.49
Level 3: Over 30 CCFs Unit Rate (per CCF)	10% 1.5 7%	\$ 4.54 \$	5.17	5.90 \$	6.49	\$ 7.07 \$	7.78 \$	8.56 \$	9.41 \$	10.36 \$	11.39
Non-Residential Unit Rate	46%	\$ 3.28 \$	3.73	s 4.26 \$	4.68	5.10 \$	5.61 \$	6.18 \$	6.79 \$	7.47 \$	8.22

																					_
SCHEDULE 15 - RATE PROJECTIONS					Vill	lage of Downers Gro Water Rate Study	ove														
Outside Village	6.50%					water Rate Study															
Variable Charges																					
Residential Block Rate Structure	75%																				
Level 1: 0 - 15 CCFs Unit Rate (per CCF)	69% 1.00		\$	3.52	\$	4.01	\$	4.57	\$	5.03	\$	5.48	\$	6.03	\$	6.63	\$	7.30	\$	8.03	\$
Level 2: 15 - 30 CCFs Unit Rate (per CCF)	20% 1.25	4%	\$	4.40	\$	5.01	\$	5.71	\$	6.29	\$	6.85	\$	7.54	\$	8.29	\$	9.12	\$	10.03	\$
Level 3: Over 30 CCFs Unit Rate (per CCF)	11%	7%	\$	5.28	\$	6.02	\$	6.86	\$	7.54	\$	8.22	\$	9.04	\$	9.95	\$	10.94	\$	12.04	\$
Non-Residential Unit Rate	25%		\$	3.81	\$	4.34	\$	4.95	\$	5.44	\$	5.93	\$	6.53	\$	7.18	\$	7.90	\$	8.69	\$
Collected Revenue - Fixed Charge Collected Revenue - Inside Village Residential Variable Charges Collected Revenue - Inside Village Non - Residential Variable Charges Collected Revenue - Outside Village Residential Variable Charges Collected Revenue - Outside Village Non - Residential Variable Charges Total Collected Revenue Total Required Revenue Total Surplus/Shortfall			\$ \$ \$ \$ \$	1,195,817 3,773,343 3,231,056 364,241 122,696 8,687,153 9,143,763 (456,610)	\$ \$ \$ \$ \$		\$ \$ \$ \$		\$ \$ \$ \$ \$		\$ \$ \$ \$ \$	1,789,924 5,648,017 4,836,310 545,203 183,654 13,003,107 12,204,803 798,304	\$ \$ \$ \$ \$	16,108,819	\$ \$ \$ \$ \$		\$ \$ \$ \$ \$	18,946,217	\$ \$ \$ \$ \$	19,786,017	\$ \$ \$ \$
Alternative D - Fixed Charge Based on Meter Size with Multiple Class I	Inclining Bloc	k Rates																			
User Defined Rates Bi-Monthly Fixed Charge			\$	8.23	\$	9.29	\$	10.49	\$	11.42	\$	12.32	\$	13.42	\$	14.61	\$	15.91	\$	17.33	\$
Inside Village	93.50%																				
Variable Charges Residential Block Rate Structure		Conservation																			
Level 1: 0 - 15 CCFs Unit Rate (per CCF)	69% 1.00		\$	2.87	\$	3.27	\$	3.72	\$	4.10	\$	4.46	\$	4.91	\$	5.40	\$	5.94	\$	6.54	\$
Level 2: 15 - 30 CCFs Unit Rate (per CCF)	21% 1.25	4%	\$	3.58	\$	4.08	\$	4.65	\$	5.12	\$	5.58	\$	6.14	\$	6.75	\$	7.43	\$	8.17	\$
Level 3: Over 30 CCFs Unit Rate (per CCF)	10% 1.50	7%	\$	4.30	\$	4.90	\$	5.59	\$	6.14	\$	6.70	\$	7.37	\$	8.10	\$	8.91	\$	9.80	\$
Commercial Unit Rate																					
Level 1: 0 - 100 CCFs Unit Rate (per CCF)	37% 1.00		\$	2.87	\$	3.27	\$	3.72	\$	4.10	\$	4.46	\$	4.91	\$	5.40	\$	5.94	\$	6.54	\$

8.83

11.04

13.24

9.56

2,741,410

8,650,384

7,407,190 835,021 281,281 \$ 19,915,286 \$ 20,761,110 (845,824)

18.87

\$

\$

\$

\$

\$

\$

\$

\$ 7.19 8.99 \$ 10.79 Unit Rate (per CCF) 2.87 \$ 3.27 \$ 3.72 \$ 4.91 \$ 6.54 \$ 7.19 1.00 \$ 4.10 \$ 4.46 \$ 5.40 \$ 5.94 \$ 17% Level 2: 100 - 200 CCFs Unit Rate (per CCF) 1.25 3.58 \$ 4.08 \$ 4.65 \$ 5.12 \$ 5.58 \$ 6.14 \$ 6.75 \$ 7.43 \$ 8.17 \$ 8.99 4% \$ Level 3: Over 200 CCFs 46% Unit Rate (per CCF) 1.50 7% \$ 4.30 \$ 4.90 \$ 5.59 \$ 6.14 \$ 6.70 \$ 7.37 \$ 8.10 \$ 8.91 \$ 9.80 \$ 10.79 Industrial Unit Rate 42% Level 1: 0 - 130 CCFs 1.00 4.10 \$ 4.46 \$ Unit Rate (per CCF) \$ 2.87 \$ 3.27 \$ 3.72 \$ 4.91 \$ 5.40 \$ 5.94 \$ 6.54 \$ 7.19 Level 2: 130 - 260 CCFs 17% 1.25 Unit Rate (per CCF) 4% \$ 3.58 \$ 4.08 \$ 4.65 \$ 5.12 \$ 5.58 \$ 6.14 \$ 6.75 \$ 7.43 \$ 8.17 \$ 8.99 Level 3: Over 260 CCFs 41% 1.50 7% \$ 5.59 \$ 6.70 \$ 7.37 \$ 8.10 \$ 8.91 \$ 9.80 \$ 10.79 Unit Rate (per CCF) 4.30 \$ 4.90 \$ 6.14 \$ Page 32 of 39

Prepared by: Municipal and Financial Services Group

SCHEDULE 15 - RATE PROJECTIONS

Village of Downers Grove Water Rate Study

Outside Village	6.50%														
Variable Charges															
Residential Block Rate Structure															
Level 1: 0 - 15 CCFs Unit Rate (per CCF)	69% 1.00		\$	3.41 \$	3.89 \$	4.43	3 \$	4.87	\$ 5.31 \$	5.84	\$ 6.43	\$	7.07 \$	7.78	\$ 8.56
Level 2: 15 - 30 CCFs Unit Rate (per CCF)	20% 1.25	4%	\$	4.26 \$	4.86 \$	5.54	\$	6.09	\$ 6.64 \$	7.31	\$ 8.04	\$	8.84 \$	9.72	\$ 10.70
Level 3: Over 30 CCFs Unit Rate (per CCF)	11% 1.50	7%	\$	5.11 \$	5.83 \$	6.65	5 \$	7.31	\$ 7.97 \$	8.77	\$ 9.64	\$	10.61 \$	11.67	\$ 12.84
Commercial Unit Rate															
Level 1: 0 - 100 CCFs Unit Rate (per CCF)	32% 1.00		\$	3.41 \$	3.89 \$	4.43	3 \$	4.87	\$ 5.31 \$	5.84	\$ 6.43	\$	7.07 \$	7.78	\$ 8.56
Level 2: 100 - 200 CCFs Unit Rate (per CCF)	25% 1.25	4%	\$	4.26 \$	4.86 \$	5.54	\$	6.09	\$ 6.64 \$	7.31	\$ 8.04	\$	8.84 \$	9.72	\$ 10.70
Level 3: Over 200 CCFs Unit Rate (per CCF)	43% 1.50	7%	\$	5.11 \$	5.83 \$	6.65	5 \$	7.31	\$ 7.97 \$	8.77	\$ 9.64	\$	10.61 \$	11.67	\$ 12.84
Collected Revenue - Fixed Charge Collected Revenue - Inside Village Residential Variable Charges Collected Revenue - Inside Village Commercial Variable Charges			\$ 3,572 \$ 3,252	,817 \$,698 \$,181 \$	1,349,600 \$ 4,032,147 \$ 3,670,411 \$	4,550,681 4,142,426	\$ \$	1,658,719 4,955,692 4,511,102	\$ 1,789,924 \$ 5,347,687 \$ 4,867,930 \$	5,823,631 5,301,176	\$ 6,341,935 \$ 5,772,980	\$ 6,90 \$ 6,28	1,629 \$ 6,367 \$ 6,776 \$	7,521,034 6,846,299	\$ 2,741,410 8,190,406 7,455,619
Collected Revenue - Inside Village Industrial Variable Charges Collected Revenue - Outside Village Residential Variable Charges Collected Revenue - Outside Village Commercial Variable Charges Total Collected Revenue			\$ 353 \$ 133	,520 \$,053 \$,884 \$,153 \$	202,606 \$ 398,456 \$ 151,101 \$ 9,804,321 \$	228,662 449,697 170,533 11,065,157	7 \$ 3 \$	249,013 489,720 185,710 12,049,956	\$ 268,709 \$ 528,457 \$ 200,400 \$ 13,003,107 \$	292,625 575,490 218,235 14,160,384	\$ 626,709 \$ 237,658	\$ 68 \$ 25	7,030 \$ 2,486 \$ 8,810 \$ 3,097 \$	743,227 281,844	\$ 411,550 809,374 306,928 19,915,286
Total Required Revenue Total Surplus/Shortfall			\$ 9,143	5,763 \$ 5,610) \$	10,205,695 \$ (401,374) \$	11,177,783	\$	11,751,597 298,359	\$ 12,204,803 \$ 798,304 \$	16,108,819 (1,948,435)	\$ 17,879,936	\$ 18,94	6,217 \$ 3,120) \$	19,786,017	\$ 20,761,110 (845,824)

SCHEDULE 16A - INSIDE VILLAGE SAMPLE BILLS

LE BILLS	Curr	ent Rates	1	2011		2012		2013		2014	2015
	Alterna	tive A - Cur	rent	Rate St	ruct	ture					
Inside Village - Unit Rate per CCF (Min 2 CCFs)	s	3.31	\$	3.80	\$	4.33	\$	4.93	\$	5.43	\$ 5.92
Alternative B - Fixe	d Charge	Based on M	/leter	r Size wi	th U	Init Rate Vo	lum	e Charge			
Inside Village - Bi-Monthly Fixed Charge			\$	8.23	s	9.29	\$	10.49	\$	11.42	\$ 12.32
Inside Village - Unit Rate per CCF (No Minimum)			\$	3.28	\$	3.73	\$	4.26	\$	4.68	\$ 5.10
Alternative C - Fixed C	Charge Ba	sed on Met	er Si	ize with	Resi	idential Incli	ning	g Block Ra	te		
Inside Village - Bi-Monthly Fixed Charge Inside Village - Residential Inclining Block Rate			\$	8.23	\$	9.29	\$	10.49	\$	11.42	\$ 12.32
Level 1: 0 - 15 CCFs per CCF			s	3.03	s	3,45	\$	3.93	\$	4.33	\$ 4.72
Level 2: 15 - 30 CCFs per CCF			\$	3.78	\$	4.31	\$	4.92	\$	5.41	\$ 5.89
Level 3: Over 30 CCFs per CCF			\$	4.54	\$	5.17	\$	5.90	\$	6.49	\$ 7.07
Inside Village - Non-Residential Unit Rate per CCF			\$	3.28	\$	3.73	\$	4.26	\$	4.68	\$ 5.10
Alternative D - Fixed Ch	arge Base	ed on Meter	Size	with M	ultip	ole Class Inc	linir	ng Block R	ates		
Inside Village - Bi-Monthly Fixed Charge Inside Village - Residential Inclining Block Rate			\$	8.23	\$	9.29	\$	10.49	\$	11.42	\$ 12.32
Level 1: 0 - 15 CCFs per CCF			\$	2.87	\$	3.27	\$	3.72	\$	4.10	\$ 4.46
Level 2: 15 - 30 CCFs per CCF			\$	3.58	\$	4.08	\$	4.65	\$	5.12	\$ 5.58
Level 3: Over 30 CCFs per CCF			\$	4.30	\$	4.90	\$	5.59	\$	6.14	\$ 6.70
Commercial Unit Rate per CCF											
Level 1: 0 - 100 CCFs per CCF			\$	2.87		3.27	\$	3.72	\$	4.10	\$ 4.46
Level 2: 100 - 200 CCFs per CCF			\$	3.58	\$	4.08	\$	4.65	\$	5.12	\$ 5.58
Level 3: Over 200 CCFs per CCF			\$	4.30	\$	4.90	\$	5.59	\$	6.14	\$ 6.70
Industrial Unit Rate											
Level 1: 0 - 130 CCFs			\$	2.87	\$	3.27	\$	3.72	\$	4.10	\$ 4.46
Level 2: 130 - 260 CCFs			\$	3.58	\$	4.08	\$	4.65	\$	5.12	\$ 5.58
Level 3: Over 260 CCFs			\$	4.30	\$	4.90	\$	5.59	\$	6.14	\$ 6.70

Meter Size	Equivalent					
5/8	1.00	\$8.20	\$5.68	\$7.76	\$10.49	
1	1.50	\$12.35	\$8.52	\$11.64	\$15.73	
1 1/2	5.00	\$41.16	\$28.41	\$38.81	\$52.43	
2	8.00	\$65.86	\$45.45	\$62.10	\$83.89	
3	15.00	\$123.49	\$85.22	\$116.43	\$157.29	
4	25.00	\$205.81	\$142.04	\$194.06	\$262.15	
6	50.00	\$411.63	\$284.08	\$388.11	\$524.31	
10	120.00	\$987.91	\$681.80	\$931.47	\$1,258,34	

			Level 2: 130 - 260 CCFs Level 3: Over 260 CCFs			\$ 4.08 \$ 4.90			\$ 5.58 \$ 6.70					
			Level 3. Ovel 200 CCFs		3 4.30	3 4.90	\$ 3.39	3 0.14	\$ 0.70	J				
				Ī					Alter	native A				
	Meter Size	Water Consumption (in		Current Bill										_
_		CCFs)	Customer Class		2011	% Difference	2012	% Difference	2013	% Difference	2014	% Difference	2015	% Difference
	5/8 5/8	1 10	Residential Residential	\$6.62 \$33.10	\$7.59 \$37.97	14.70% 14.70%	\$ 8.66 \$ 43.28	14.00% 14.00%	\$ 9.87 \$ 49.34	14.00% 14.00%	\$ 10.85 \$ 54.27	10.00% 10.00%	\$ 11.83 \$ 59.16	9.00% 9.00%
	5/8	15	Residential	\$49.65	\$56.95	14.70%	\$ 64.92	14.00%	\$ 74.01	14.00%	\$ 81.41	10.00%	\$ 88.74	9.00%
	5/8	40	Residential	\$132.40	\$151.86	14.70%	\$ 173.12	14.00%	\$ 197.36	14.00%	\$ 217.10	10.00%	\$ 236.64	9.00%
	5/8	5	Commercial	\$16.55	\$18.98	14.70%	\$ 21.64		\$ 24.67	14.00%	\$ 27.14	10.00%	\$ 29.58	9.00%
	1 1/2	50	Commercial	\$165.50	\$189.83	14.70%	\$ 216.40	14.00%	\$ 246.70	14.00%	\$ 271.37	10.00%	\$ 295.79	9.00%
	1 1/2	100	Commercial	\$331.00	\$379.66	14.70%	\$ 432.81	14.00%	\$ 493.40	14.00%	\$ 542.74	10.00%	\$ 591.59	9.00%
	1 1/2	250	Commercial	\$827.50	\$949.14	14.70%	\$ 1,082.02	14.00%	\$ 1,233.51	14.00%	\$ 1,356.86	10.00%	\$ 1,478.97	9.00%
	5/8	60	Industrial	\$198.60	\$227.79	14.70%	\$ 259.69	14.00%	\$ 296.04	14.00%	\$ 325.65	10.00%	\$ 354.95	9.00%
	2	120	Industrial	\$397.20	\$455.59	14.70%	\$ 519.37	14.00%	\$ 592.08	14.00%	\$ 651.29	10.00%	\$ 709.91	9.00%
	2	200 400	Industrial	\$662.00	\$759.31	14.70%	\$ 865.62		\$ 986.80	14.00%	\$ 1,085.48	10.00%	\$ 1,183.18	9.00%
	2	400	Industrial	\$1,324.00	\$1,518.63	14.70%	\$ 1,731.24	14.00%	\$ 1,973.61	14.00%	\$ 2,170.97	10.00%	\$ 2,366.36	9.00%
				Г					Alter	native B				
	Meter Size	Water Consumption (in		Current Bill										
_		CCFs)	Customer Class		2011	% Difference	2012	% Difference	2013	% Difference	2014	% Difference	2015	% Difference
	5/8 5/8	10	Residential Residential	\$6.62 \$33.10	\$11.51 \$40.99	73.84% 23.83%	\$13.03 \$46.63	13.18% 13.77%	\$14.74 \$53.05	13.19% 13.77%	\$16.10 \$58.24	9.22% 9.78%	\$17.43 \$63.36	8.23% 8.79%
	5/8	15	Residential	\$33.10 \$49.65	\$57.36	15.54%	\$65.30	13.77%	\$33.03 \$74.34	13.77%	\$81.66	9.78%	\$88.88	8.85%
	5/8	40	Residential	\$132.40	\$139.25	5.17%	\$158.65	13.93%	\$180.75	13.93%	\$198.72	9.94%	\$216.48	8.94%
	5/8	5	Commercial	\$16.55	\$24.61	48.70%	\$27.96	13.62%	\$31.77	13.62%	\$34.83	9.64%	\$37.84	8.64%
	1 1/2	50	Commercial	\$165.50	\$204.93	23.83%	\$233.15	13.77%	\$265.27	13.77%	\$291.22	9.78%	\$316.80	8.79%
	1 1/2	100	Commercial	\$331.00	\$368.70	11.39%	\$419.85	13.87%	\$478.10	13.87%	\$525.34	9.88%	\$571.99	8.88%
	1 1/2	250	Commercial	\$827.50	\$860.02	3.93%	\$979.95	13.95%	\$1,116.61	13.95%	\$1,227.70	9.95%	\$1,337.57	8.95%
	5/8	60	Industrial	\$198.60	\$204.76	3.10%	\$233.33	13.95%	\$265.89	13.95%	\$292.36	9.96%	\$318.55	8.96%
	2	120	Industrial	\$397.20	\$458.91	15.54%	\$522.41	13.84%	\$594.70	13.84%	\$653.24	9.84%	\$711.04	8.85%
	2	200 400	Industrial	\$662.00	\$720.94 \$1,376.02	8.90% 3.93%	\$821.12	13.90%	\$935.23	13.90% 13.95%	\$1,027.83	9.90%	\$1,119.34	8.90%
	2	400	Industrial	\$1,324.00	\$1,376.02	3.93%	\$1,567.92	13.95%	\$1,786.58	13.95%	\$1,964.31	9.95%	\$2,140.10	8.95%
				Ī					Alter	native C				
	Meter Size	Water Consumption (in	g	Current Bill	2011	or proc	2012	or mice	2012	or mice	2011	or Disc	2015	or proc
	Meter Size	Water Consumption (in CCFs)	Customer Class	Current Bill	2011	% Difference	2012	% Difference	2013	% Difference	2014	% Difference	2015	% Difference
	5/8	CCFs)	Residential	\$6.62	\$11.26	70.07%	\$12.74	13.17%	\$14.42	13.17%	\$15.75	9.20%	\$17.04	8.21%
	5/8 5/8	CCFs) 1 10	Residential Residential	\$6.62 \$33.10	\$11.26 \$38.49	70.07% 16.29%	\$12.74 \$43.79	13.17% 13.76%	\$14.42 \$49.81	13.17% 13.76%	\$15.75 \$54.68	9.20% 9.77%	\$17.04 \$59.47	8.21% 8.77%
	5/8	CCFs)	Residential	\$6.62	\$11.26	70.07%	\$12.74	13.17%	\$14.42	13.17%	\$15.75	9.20%	\$17.04	8.21%
	5/8 5/8 5/8	CCFs) 1 10 15	Residential Residential Residential	\$6.62 \$33.10 \$49.65	\$11.26 \$38.49 \$53.62	70.07% 16.29% 8.00%	\$12.74 \$43.79 \$61.04	13.17% 13.76% 13.82%	\$14.42 \$49.81 \$69.47	13.17% 13.76% 13.83%	\$15.75 \$54.68 \$76.31	9.20% 9.77% 9.83%	\$17.04 \$59.47 \$83.05	8.21% 8.77% 8.84%
	5/8 5/8 5/8 5/8 5/8 1 1/2	CCFs) 1 10 15 40 5 50	Residential Residential Residential Residential	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$165.50	\$11.26 \$38.49 \$53.62 \$155.75 \$24.61 \$204.93	70.07% 16.29% 8.00% 17.64% 48.70% 23.83%	\$12.74 \$43.79 \$61.04 \$177.46 \$27.96 \$233.15	13.17% 13.76% 13.82% 13.94% 13.62% 13.77%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$265.27	13.17% 13.76% 13.83% 13.94% 13.62% 13.77%	\$15.75 \$54.68 \$76.31 \$222.30 \$34.83 \$291.22	9.20% 9.77% 9.83% 9.94% 9.64% 9.78%	\$17.04 \$59.47 \$83.05 \$242.19 \$37.84 \$316.80	8.21% 8.77% 8.84% 8.94% 8.64% 8.79%
	5/8 5/8 5/8 5/8 5/8 1 1/2 1 1/2	CCFs) 1 10 15 40 5 50 100	Residential Residential Residential Residential Residential Commercial Commercial Commercial	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$165.50 \$331.00	\$11.26 \$38.49 \$53.62 \$155.75 \$24.61 \$204.93 \$368.70	70.07% 16.29% 8.00% 17.64% 48.70% 23.83% 11.39%	\$12.74 \$43.79 \$61.04 \$177.46 \$27.96 \$233.15 \$419.85	13.17% 13.76% 13.82% 13.94% 13.62% 13.77% 13.87%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$265.27 \$478.10	13.17% 13.76% 13.83% 13.94% 13.62% 13.77% 13.87%	\$15.75 \$54.68 \$76.31 \$222.30 \$34.83 \$291.22 \$525.34	9.20% 9.77% 9.83% 9.94% 9.64% 9.78% 9.88%	\$17.04 \$59.47 \$83.05 \$242.19 \$37.84 \$316.80 \$571.99	8.21% 8.77% 8.84% 8.94% 8.64% 8.79% 8.88%
	5/8 5/8 5/8 5/8 5/8 1 1/2 1 1/2 1 1/2	CCFs) 1 10 15 40 5 50 100 250	Residential Residential Residential Residential Residential Commercial Commercial Commercial	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$165.50 \$331.00 \$827.50	\$11.26 \$38.49 \$53.62 \$155.75 \$24.61 \$204.93 \$368.70 \$860.02	70.07% 16.29% 8.00% 17.64% 48.70% 23.83% 11.39% 3.93%	\$12.74 \$43.79 \$61.04 \$177.46 \$27.96 \$233.15 \$419.85 \$979.95	13.17% 13.76% 13.82% 13.94% 13.62% 13.77% 13.87% 13.95%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$265.27 \$478.10 \$1,116.61	13.17% 13.76% 13.83% 13.94% 13.62% 13.77% 13.87% 13.95%	\$15.75 \$54.68 \$76.31 \$222.30 \$34.83 \$291.22 \$525.34 \$1,227.70	9.20% 9.77% 9.83% 9.94% 9.64% 9.78% 9.88% 9.95%	\$17.04 \$59.47 \$83.05 \$242.19 \$37.84 \$316.80 \$571.99 \$1,337.57	8.21% 8.77% 8.84% 8.94% 8.64% 8.79% 8.88% 8.95%
	5/8 5/8 5/8 5/8 5/8 1 1/2 1 1/2 1 1/2 5/8	CCFs) 1 10 15 40 5 50 100 250 60	Residential Residential Residential Residential Residential Commercial Commercial Commercial Lommercial Commercial Lommercial Lommercial	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$165.50 \$331.00 \$827.50 \$198.60	\$11.26 \$38.49 \$53.62 \$155.75 \$24.61 \$204.93 \$368.70 \$860.02 \$204.76	70.07% 16.29% 8.00% 17.64% 48.70% 23.83% 11.39% 3.93% 3.10%	\$12.74 \$43.79 \$61.04 \$177.46 \$27.96 \$233.15 \$419.85 \$979.95 \$233.33	13.17% 13.76% 13.82% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$265.27 \$478.10 \$1,116.61 \$265.89	13.17% 13.76% 13.83% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95%	\$15.75 \$54.68 \$76.31 \$222.30 \$34.83 \$291.22 \$525.34 \$1,227.70 \$292.36	9.20% 9.77% 9.83% 9.94% 9.64% 9.78% 9.88% 9.95% 9.96%	\$17.04 \$59.47 \$83.05 \$242.19 \$37.84 \$316.80 \$571.99 \$1,337.57 \$318.55	8.21% 8.77% 8.84% 8.94% 8.64% 8.79% 8.88% 8.95% 8.96%
	5/8 5/8 5/8 5/8 5/8 1 1/2 1 1/2 1 1/2 5/8 2	CCFs) 1 10 15 40 5 50 100 250 60 120	Residential Residential Residential Residential Residential Residential Commercial Commercial Commercial Industrial Industrial	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$165.50 \$331.00 \$827.50 \$198.60 \$397.20	\$11.26 \$38.49 \$53.62 \$155.75 \$24.61 \$204.93 \$368.70 \$860.02 \$204.76 \$458.91	70.07% 16.29% 8.00% 17.64% 48.70% 23.83% 11.39% 3.93% 3.10% 15.54%	\$12.74 \$43.79 \$61.04 \$177.46 \$27.96 \$233.15 \$419.85 \$979.95 \$233.33 \$522.41	13.17% 13.76% 13.82% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95% 13.95%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$265.27 \$478.10 \$1,116.61 \$265.89 \$594.70	13.17% 13.76% 13.83% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95% 13.95%	\$15.75 \$54.68 \$76.31 \$222.30 \$34.83 \$291.22 \$525.34 \$1,227.70 \$292.36	9.20% 9.77% 9.83% 9.94% 9.64% 9.78% 9.88% 9.95% 9.96% 9.84%	\$17.04 \$59.47 \$83.05 \$242.19 \$37.84 \$316.80 \$571.99 \$1,337.57 \$318.55 \$711.04	8.21% 8.77% 8.84% 8.94% 8.64% 8.79% 8.88% 8.95% 8.96% 8.85%
	5/8 5/8 5/8 5/8 5/8 1 1/2 1 1/2 1 1/2 5/8	CCFs) 1 10 15 40 5 50 100 250 60 120 200	Residential Residential Residential Residential Residential Commercial Commercial Commercial Industrial Industrial Industrial	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$165.50 \$331.00 \$827.50 \$198.60 \$397.20 \$662.00	\$11.26 \$38.49 \$53.62 \$155.75 \$24.61 \$204.93 \$368.70 \$860.02 \$204.76 \$458.91 \$720.94	70.07% 16.29% 8.00% 17.64% 48.70% 23.83% 11.39% 3.93% 3.10% 15.54% 8.90%	\$12.74 \$43.79 \$61.04 \$177.46 \$27.96 \$233.15 \$419.85 \$979.95 \$233.33 \$522.41 \$821.12	13.17% 13.76% 13.82% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95% 13.95% 13.90%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$265.27 \$478.10 \$1,116.61 \$265.89 \$594.70 \$935.23	13.17% 13.76% 13.83% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95% 13.95% 13.95% 13.90%	\$15.75 \$54.68 \$76.31 \$222.30 \$34.83 \$291.22 \$525.34 \$1,227.70 \$292.36 \$653.24 \$1,027.83	9.20% 9.77% 9.83% 9.94% 9.64% 9.78% 9.88% 9.95% 9.96% 9.84%	\$17.04 \$59.47 \$83.05 \$242.19 \$37.84 \$316.80 \$571.99 \$1,337.57 \$318.55 \$711.04	8.21% 8.77% 8.84% 8.94% 8.64% 8.79% 8.88% 8.95% 8.95% 8.95% 8.95%
	5/8 5/8 5/8 5/8 5/8 1 1/2 1 1/2 1 1/2 2 1 1/2 2 5/8 2	CCFs) 1 10 15 40 5 50 100 250 60 120	Residential Residential Residential Residential Residential Residential Commercial Commercial Commercial Industrial Industrial	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$165.50 \$331.00 \$827.50 \$198.60 \$397.20	\$11.26 \$38.49 \$53.62 \$155.75 \$24.61 \$204.93 \$368.70 \$860.02 \$204.76 \$458.91	70.07% 16.29% 8.00% 17.64% 48.70% 23.83% 11.39% 3.93% 3.10% 15.54%	\$12.74 \$43.79 \$61.04 \$177.46 \$27.96 \$233.15 \$419.85 \$979.95 \$233.33 \$522.41	13.17% 13.76% 13.82% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95% 13.95%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$265.27 \$478.10 \$1,116.61 \$265.89 \$594.70	13.17% 13.76% 13.83% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95% 13.95%	\$15.75 \$54.68 \$76.31 \$222.30 \$34.83 \$291.22 \$525.34 \$1,227.70 \$292.36	9.20% 9.77% 9.83% 9.94% 9.64% 9.78% 9.88% 9.95% 9.96% 9.84%	\$17.04 \$59.47 \$83.05 \$242.19 \$37.84 \$316.80 \$571.99 \$1,337.57 \$318.55 \$711.04	8.21% 8.77% 8.84% 8.94% 8.64% 8.79% 8.88% 8.95% 8.96% 8.85%
	5/8 5/8 5/8 5/8 5/8 1 1/2 1 1/2 1 1/2 2 1 1/2 2 5/8 2	CCFs) 1 10 15 40 5 5 50 100 250 60 120 200 400	Residential Residential Residential Residential Residential Commercial Commercial Commercial Industrial Industrial Industrial	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$165.50 \$331.00 \$827.50 \$198.60 \$397.20 \$662.00	\$11.26 \$38.49 \$53.62 \$155.75 \$24.61 \$204.93 \$368.70 \$860.02 \$204.76 \$458.91 \$720.94	70.07% 16.29% 8.00% 17.64% 48.70% 23.83% 11.39% 3.93% 3.10% 15.54% 8.90%	\$12.74 \$43.79 \$61.04 \$177.46 \$27.96 \$233.15 \$419.85 \$979.95 \$233.33 \$522.41 \$821.12	13.17% 13.76% 13.82% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95% 13.95% 13.90%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$265.27 \$478.10 \$1,116.61 \$265.89 \$594.70 \$935.23	13.17% 13.76% 13.83% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95% 13.95% 13.95% 13.90%	\$15.75 \$54.68 \$76.31 \$222.30 \$34.83 \$291.22 \$525.34 \$1,227.70 \$292.36 \$653.24 \$1,027.83	9.20% 9.77% 9.83% 9.94% 9.64% 9.78% 9.88% 9.95% 9.96% 9.84%	\$17.04 \$59.47 \$83.05 \$242.19 \$37.84 \$316.80 \$571.99 \$1,337.57 \$318.55 \$711.04	8.21% 8.77% 8.84% 8.94% 8.64% 8.79% 8.88% 8.95% 8.95% 8.95% 8.95%
	5/8 5/8 5/8 5/8 5/8 1 1/2 1 1/2 1 1/2 2 1 1/2 2 5/8 2	CCFs) 1 10 15 40 5 5 100 250 60 120 200 400 Water Consumption (in	Residential Residential Residential Residential Residential Commercial Commercial Commercial Industrial Industrial Industrial Industrial	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$165.50 \$331.00 \$827.50 \$198.60 \$397.20 \$662.00	\$11.26 \$38.49 \$53.62 \$155.75 \$24.61 \$204.93 \$368.70 \$860.02 \$204.76 \$458.91 \$720.94 \$1,376.02	70.07% 16.29% 8.00% 17.64% 48.70% 23.83% 11.39% 3.93% 3.10% 15.54% 8.90% 3.93%	\$12.74 \$43.79 \$61.04 \$177.46 \$27.96 \$233.15 \$419.85 \$979.95 \$233.33 \$522.41 \$821.12 \$1,567.92	13.17% 13.76% 13.82% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95% 13.95% 13.95% 13.95%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$265.27 \$478.10 \$1,116.61 \$265.89 \$594.70 \$935.23 \$1,786.58	13.17% 13.76% 13.83% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95% 13.95% 13.95% 13.95%	\$15.75 \$34.68 \$76.31 \$222.30 \$34.83 \$291.22 \$525.34 \$1,227.70 \$292.36 \$653.24 \$1,027.83 \$1,964.31	9.20% 9.77% 9.83% 9.94% 9.64% 9.78% 9.88% 9.95% 9.96% 9.84% 9.90% 9.95%	\$17.04 \$59.47 \$83.05 \$242.19 \$37.84 \$316.80 \$571.99 \$1,337.57 \$318.55 \$711.04 \$1,119.34 \$2,140.10	8.21% 8.77% 8.84% 8.94% 8.64% 8.79% 8.88% 8.95% 8.96% 8.85% 8.95%
	5/8 5/8 5/8 5/8 5/8 5/8 1 1/2 1 1/2 1 1/2 2 2 2	CCFs) 1 10 15 40 5 5 50 100 250 60 120 200 400	Residential Residential Residential Residential Residential Commercial Commercial Commercial Industrial Industrial Industrial	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$165.50 \$331.00 \$827.50 \$198.60 \$397.20 \$662.00	\$11.26 \$38.49 \$53.62 \$155.75 \$24.61 \$204.93 \$368.70 \$860.02 \$204.76 \$458.91 \$720.94	70.07% 16.29% 8.00% 17.64% 48.70% 23.83% 11.39% 3.93% 3.10% 15.54% 8.90%	\$12.74 \$43.79 \$61.04 \$177.46 \$27.96 \$233.15 \$419.85 \$979.95 \$233.33 \$522.41 \$821.12	13.17% 13.76% 13.82% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95% 13.95% 13.90%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$265.27 \$478.10 \$1,116.61 \$265.89 \$594.70 \$935.23	13.17% 13.76% 13.83% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95% 13.95% 13.95%	\$15.75 \$54.68 \$76.31 \$222.30 \$34.83 \$291.22 \$525.34 \$1,227.70 \$292.36 \$653.24 \$1,027.83	9.20% 9.77% 9.83% 9.94% 9.64% 9.78% 9.88% 9.95% 9.96% 9.84%	\$17.04 \$59.47 \$83.05 \$242.19 \$37.84 \$316.80 \$571.99 \$1,337.57 \$318.55 \$711.04	8.21% 8.77% 8.84% 8.94% 8.64% 8.79% 8.88% 8.95% 8.95% 8.95% 8.95%
	5/8 5/8 5/8 5/8 5/8 5/8 1 1/2 1 1/2 1 1/2 2 2 2 2 2	CCFs) 1 10 15 40 5 5 50 100 250 60 120 200 400 Water Consumption (in CCFs) 1 10	Residential Residential Residential Residential Residential Commercial Commercial Commercial Industrial Industrial Industrial Industrial Industrial Industrial Industrial	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$331.00 \$827.50 \$198.60 \$397.20 \$662.00 \$1,324.00	\$11.26 \$38.49 \$53.62 \$155.75 \$24.61 \$204.93 \$368.70 \$860.02 \$204.76 \$458.91 \$720.94 \$1,376.02	70.07% 16.29% 8.00% 17.64% 48.70% 23.83% 11.39% 3.93% 3.10% 15.54% 8.90% 3.93%	\$12.74 \$43.79 \$61.04 \$177.46 \$27.96 \$233.15 \$419.85 \$979.95 \$233.33 \$522.41 \$821.12 \$1,567.92	13.17% 13.76% 13.82% 13.94% 13.62% 13.77% 13.95% 13.95% 13.95% 13.90% 13.95%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$265.27 \$478.10 \$1,116.61 \$265.89 \$594.70 \$935.23 \$1,786.58	13.17% 13.76% 13.83% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95% 13.84% 13.90% 13.95%	\$15.75 \$34.68 \$76.31 \$222.30 \$34.83 \$291.22 \$525.34 \$1,227.70 \$292.36 \$653.24 \$1,027.83 \$1,964.31	9.20% 9.77% 9.83% 9.94% 9.64% 9.78% 9.95% 9.95% 9.96% 9.95%	\$17.04 \$59.47 \$83.05 \$242.19 \$37.84 \$316.80 \$571.99 \$1,337.57 \$318.55 \$711.04 \$1,119.34 \$2,140.10	8.21% 8.77% 8.84% 8.94% 8.64% 8.79% 8.88% 8.95% 8.95% 8.95%
	5/8 5/8 5/8 5/8 5/8 5/8 1 1/2 1 1/2 1 1/2 2 1 1/2 2 2 2 2 2 Meter Size 5/8 5/8 5/8	CCFs) 1 10 15 40 5 5 50 100 250 60 120 200 400 Water Consumption (in CCFs) 1 1 10 15	Residential Residential Residential Residential Residential Commercial Commercial Commercial Industrial Industrial Industrial Industrial Industrial Residential Residential Residential Residential Residential Residential	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$165.50 \$331.00 \$827.50 \$198.60 \$1,324.00 \$1,324.00 \$20.00 \$1,334.00 \$40.65	\$11.26 \$38.49 \$33.62 \$155.75 \$24.61 \$204.93 \$368.70 \$860.02 \$204.76 \$458.91 \$720.94 \$1,376.02	70.07% 16.29% 8.00% 17.64% 48.70% 23.83% 11.39% 3.93% 3.10% 15.54% 8.90% 3.93%	\$12.74 \$43.79 \$61.04 \$177.46 \$27.96 \$233.15 \$419.85 \$279.95 \$233.33 \$522.41 \$821.12 \$1,567.92	13.17% 13.76% 13.82% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$265.27 \$478.10 \$1,116.61 \$265.89 \$594.70 \$935.23 \$1,786.58 Alter	13.17% 13.76% 13.83% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95%	\$15.75 \$54.68 \$76.31 \$222.30 \$34.83 \$291.22 \$525.34 \$1.227.70 \$292.36 \$653.24 \$1.027.83 \$1,964.31 \$2014 \$15.52 \$52.38 \$72.86	9.20% 9.77% 9.83% 9.94% 9.64% 9.78% 9.95% 9.96% 9.95% 9.95% 9.919% 9.76% 9.19% 9.76% 9.83%	\$17.04 \$59.47 \$83.05 \$242.19 \$37.84 \$316.80 \$571.99 \$1,337.57 \$318.55 \$711.04 \$2,140.10	8.21% 8.77% 8.84% 8.94% 8.64% 8.79% 8.85% 8.95% 8.95% 8.95% 8.95% 8.95% 8.95% 8.95% 8.95%
	5/8 5/8 5/8 5/8 5/8 5/8 1 1/2 1 1/2 1 1/2 5/8 2 2 2 2 2 2 Meter Size 5/8 5/8 5/8 5/8	CCFs) 1 10 15 40 5 5 50 100 250 60 120 200 400 Water Consumption (in CCFs) 1 10 15 40	Residential Residential Residential Residential Residential Commercial Commercial Commercial Industrial Industrial Industrial Industrial Industrial Residential Residential Residential Residential Residential Residential	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$16.50 \$331.00 \$827.50 \$198.60 \$198.60 \$1,324.00	\$11.26 \$38.49 \$33.62 \$155.75 \$24.61 \$204.93 \$368.70 \$860.02 \$204.76 \$458.91 \$720.94 \$11.376.02	70.07% 16.29% 8.00% 17.64% 48.70% 23.83% 3.10% 3.93% 3.10% 15.54% 8.90% 3.93% % Difference 67.64% 11.43% 3.14% 11.71%	\$12.74 \$43.79 \$61.04 \$177.46 \$27.96 \$233.15 \$419.85 \$233.33 \$522.41 \$821.12 \$1,567.92 \$12.56 \$41.95 \$58.28 \$168.52	13.17% 13.76% 13.82% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.94%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$478.10 \$1.116.61 \$265.89 \$94.70 \$352.32 \$1,786.58 \$47.72 \$47.72 \$47.72 \$47.72 \$1,786.58	13.17% 13.76% 13.83% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95% 13.95% 13.95% 13.95% 13.16% 13.16% 13.16% 13.16% 13.16% 13.16% 13.16% 13.17%	\$15.75 \$54.68 \$76.31 \$222.30 \$34.83 \$291.22 \$525.34 \$1,227.70 \$292.36 \$653.24 \$1,027.83 \$1,964.31 \$15.52 \$52.38 \$72.86 \$211.09	9.20% 9.77% 9.83% 9.94% 9.64% 9.78% 9.95% 9.96% 9.95% 9.95% 9.95% 9.95%	\$17.04 \$59.47 \$83.05 \$242.19 \$37.84 \$316.80 \$571.99 \$1,337.57 \$318.55 \$711.04 \$1,119.34 \$2,140.10	8.21% 8.77% 8.84% 8.94% 8.64% 8.79% 8.89% 8.95% 8.95% 8.95% 8.95% 8.20% 8.20% 8.76% 8.33% 8.34%
	5/8 5/8 5/8 5/8 5/8 5/8 1 1/2 1 1/2 1 1/2 5/8 2 2 2 2 2 2 Meter Size 5/8 5/8 5/8 5/8 5/8	CCFs) 1 10 15 40 5 5 50 100 250 60 120 200 400 Water Consumption (in CCFs) 1 1 1 10 15 40 5	Residential Residential Residential Residential Residential Commercial Commercial Commercial Industrial Industrial Industrial Industrial Industrial Industrial Residential	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$165.50 \$827.50 \$827.50 \$198.60 \$397.20 \$1,324.00 \$1,324.00 \$2,333.10 \$49.65 \$132.40 \$16.55	\$11.26 \$38.49 \$33.62 \$155.75 \$24.61 \$204.93 \$368.70 \$860.02 \$204.76 \$458.91 \$720.94 \$1,376.02	70.07% 16.29% 8.00% 17.64% 48.70% 23.83% 11.39% 3.93% 3.93% 3.93% 8.90% 3.93% 4.14% 11.43% 3.14% 11.71% 36.30%	\$12.74 \$43.79 \$61.04 \$177.46 \$27.96 \$233.15 \$419.85 \$579.95 \$233.33 \$522.41 \$821.12 \$1.567.92 \$12.56 \$58.28 \$1.86.52 \$1.86.52 \$1.86.52	13.17% 13.76% 13.82% 13.94% 13.62% 13.77% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$265.27 \$478.10 \$1,116.61 \$265.89 \$594.70 \$335.23 \$1,786.58 \$47.72 \$47.72 \$47.72 \$1,20 \$1,	13,17% 13,83% 13,83% 13,94% 13,62% 13,77% 13,95% 13,95% 13,95% 13,95% 13,16% 13,16% 13,15% 13,15% 13,15% 13,15% 13,15% 13,15%	\$15.75 \$54.68 \$76.31 \$222.30 \$34.83 \$291.22 \$525.34 \$1,227.70 \$92.36 \$653.24 \$1,027.83 \$1,027.83 \$1,525 \$5.52.38 \$7.286 \$2.21.09 \$1.30 \$2.21.02 \$1.30 \$2.21.02 \$1.30 \$2.21.02 \$1.30	9.20% 9.77% 9.83% 9.84% 9.64% 9.64% 9.88% 9.95% 9.96% 9.84% 9.95% **Difference 9.19% 9.76% 9.83% 9.94% 9.94%	\$17.04 \$59.47 \$33.05 \$242.19 \$37.84 \$316.80 \$571.99 \$1,337.57 \$318.55 \$711.04 \$1,119.34 \$2,140.10 \$2015 \$5.697 \$79.29 \$229.96 \$34.64	8.21% 8.77% 8.84% 8.94% 8.64% 8.79% 8.85% 8.95% 8.95% 8.95% 8.95% 8.95% 8.95% 8.95% 8.95% 8.95% 8.95%
	5/8 5/8 5/8 5/8 5/8 5/8 1 1/2 1 1/2 1 1/2 2 2 2 Meter Size 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8	CCFs) 1 10 15 40 5 50 100 250 60 120 200 400 Water Consumption (in CCFs) 1 10 15 40 5 50	Residential Residential Residential Residential Residential Commercial Commercial Commercial Industrial Indust	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$16.55 \$165.50 \$331.00 \$827.50 \$198.60 \$132.400 \$1.324.00	\$11.26 \$38.49 \$53.62 \$155.75 \$24.61 \$204.93 \$368.70 \$860.02 \$204.76 \$458.91 \$720.94 \$1,376.02	70.07% 16.29% 8.00% 17.64% 48.70% 23.83% 11.39% 3.10% 8.90% 3.93% 15.54% 8.90% 3.93% 11.43% 3.14% 11.43% 3.14% 11.71% 36.30% 11.43%	\$12.74 \$43.79 \$61.04 \$177.46 \$27.96 \$233.15 \$419.85 \$419.85 \$821.12 \$1,567.92 2012 \$ 12.56 \$ 41.95 \$ 58.28 \$ 18.82 \$ 25.62 \$ 25.62 \$ 209.77	13.17% 13.76% 13.82% 13.94% 13.62% 13.77% 13.95% 13.87% 13.95% 13.84% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$265.27 \$478.10 \$1,116.61 \$265.89 \$594.70 \$335.23 \$1,786.58 \$47.72 \$6.34 \$14.21 \$1,20 \$1,2	13.17% 13.76% 13.83% 13.94% 13.62% 13.77% 13.87% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.15% 13.15% 13.25% 13.25% 13.25% 13.25% 13.25% 13.25% 13.25% 13.25% 13.25% 13.25% 13.25% 13.25%	\$15.75 \$\$4.68 \$76.31 \$222.30 \$34.88 \$991.22 \$525.34 \$1,227.70 \$992.36 \$653.24 \$1,027.83 \$1,964.31 \$2,014 \$1,552 \$2,586 \$2,11.09 \$1,964.31	9.20% 9.77% 9.83% 9.94% 9.64% 9.78% 9.95% 9.95% 9.95% 9.95% 9.95% 9.94% 9.94% 9.94% 9.94% 9.96% 9.94% 9.96%	\$17.04 \$59.47 \$83.05 \$242.19 \$37.84 \$316.80 \$571.99 \$1,337.57 \$318.55 \$711.04 \$1,119.34 \$2,140.10	8.21% 8.77% 8.84% 8.94% 8.64% 8.79% 8.88% 8.95% 8.85% 8.95% 8.95% 8.95% 8.95% 8.95% 8.16% 8.37% 8.34% 8.61% 8.76%
	5/8 5/8 5/8 5/8 5/8 5/8 1 1/2 1 1/2 5/8 2 2 2 2 2 2 Meter Size 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8	CCFs) 1 10 15 40 5 50 100 250 60 120 200 400 Water Consumption (in CCFs) 1 1 10 15 40 5 5 100 100	Residential Residential Residential Residential Residential Residential Commercial Commercial Commercial Industrial Indus	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$165.50 \$337.20 \$662.00 \$1,324.00 \$1,324.00 \$1,324.00 \$1,324.00 \$1,324.00 \$1,324.00	\$11.26 \$38.49 \$53.62 \$155.75 \$24.61 \$204.93 \$368.70 \$860.02 \$204.76 \$458.91 \$720.94 \$1,376.02	70.07% 16.29% 8.00% 17.64% 48.70% 23.83% 11.39% 3.93% 3.93% 15.54% 8.90% 4 Difference 67.64% 11.43% 3.14% 11.71% 3.630% 3.14% 11.71%	\$12.74 \$43.79 \$61.04 \$177.46 \$27.96 \$233.15 \$419.85 \$979.95 \$233.33 \$522.41 \$8211.25 \$1.367.92 \$12.56 \$41.95 \$1.82 \$1.82 \$1.82 \$1.82 \$1.82 \$1.82 \$1.82 \$1.82 \$1.83	13.17% 13.26% 13.82% 13.94% 13.94% 13.62% 13.77% 13.95% 13.87% 13.95% 13.84% 13.95% 13.84% 13.95% 13.15% 13.15% 13.15% 13.15% 13.15% 13.15% 13.15% 13.15% 13.15% 13.15% 13.15% 13.15% 13.15% 13.15% 13.15% 13.15% 13.15%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$265.27 \$478.10 \$1,116.61 \$265.89 \$594.70 \$935.23 \$1,786.58 Alter 2013 \$14.21 \$47.72 \$66.34 \$192.00 \$29.10 \$29.10 \$42.47.8	13,17% 13,83% 13,94% 13,83% 13,94% 13,62% 13,77% 13,95% 13,85% 13,95% 13,95% 13,95% 13,95% 13,95% 13,95% 13,95% 13,95% 13,95% 13,95% 13,175%	\$15.75 \$54.68 \$76.31 \$222.30 \$34.83 \$991.22 \$525.34 \$1,227.70 \$923.26 \$653.24 \$1,027.83 \$1,964.31 \$2014 \$15.52 \$23.25 \$23.25 \$1,964.31 \$2014 \$15.52 \$10.25 \$	9.20% 9.77% 9.83% 9.94% 9.94% 9.95% 9.85% 9.95% 9.95% 9.95% 9.96% 9.84% 9.95% 9.96% 9.96% 9.76% 9.83% 9.96% 9.84% 9.96% 9.76% 9.83%	\$17.04 \$59.47 \$83.05 \$242.19 \$37.84 \$316.80 \$571.99 \$1,337.57 \$318.55 \$711.04 \$1,119.34 \$2,140.10 \$1,000 \$1	8.21% 8.77% 8.84% 8.94% 8.64% 8.79% 8.88% 8.95%
	5/8 5/8 5/8 5/8 5/8 5/8 1 1/2 1 1/2 2 1/2 5/8 2 2 2 Meter Size 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8	CCFs) 1 10 15 40 5 5 50 100 250 60 120 200 400 Water Consumption (in CCFs) 1 10 15 40 5 50 100 250	Residential Residential Residential Residential Residential Residential Commercial Commercial Commercial Industrial Indus	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$16.55 \$182.60 \$331.00 \$827.50 \$198.60 \$132.400 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00	\$11.26 \$38.49 \$53.62 \$155.75 \$24.61 \$204.93 \$368.70 \$860.02 \$204.76 \$458.91 \$720.94 \$1,376.02 \$111.10 \$36.88 \$51.21 \$147.91 \$22.56 \$184.42 \$327.67 \$900.69	70.07% 16.29% 8.00% 17.64% 48.70% 23.83% 11.39% 3.93% 3.93% 3.93% 3.10% 25.54% 8.90% 3.93% 3.14% 11.43% 3.14% 11.43% 3.00% 11.14% 3.63.00% 11.14% 3.63.00% 11.14% 8.84%	\$12.74 \$43.79 \$61.04 \$177.46 \$23.96 \$233.15 \$419.85 \$979.95 \$233.33 \$522.41 \$821.12 \$1.567.92 \$1.256.5 \$41.95 \$5.26 \$1.256.5 \$1.2	13.17% 13.76% 13.82% 13.94% 13.94% 13.95% 13.87% 13.95% 13.81% 13.95% 13.81% 13.95% 13.81% 13.95% 13.81% 13.15% 13.85% 13.85% 13.86% 13.91%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$265.27 \$478.10 \$1.116.61 \$265.89 \$594.70 \$935.23 \$1,786.58 \$14.21 \$47.72 \$63.44 \$192.00 \$238.60 \$238.60 \$24.78 \$14.21 \$	13.17% 13.76% 13.83% 13.94% 13.62% 13.77% 13.95% 13.87% 13.95% 13.95% 13.95% 13.15% 13.95% 13.15% 13.15% 13.15% 13.15% 13.15% 13.26% 13.15% 13.15% 13.26% 13.15%	\$15.75 \$54.68 \$76.31 \$222.30 \$34.43 \$1,227.70 \$552.34 \$1,227.70 \$292.36 \$653.24 \$1,027.83 \$1,027	9.20% 9.77% 9.83% 9.94% 9.64% 9.78% 9.95% 9.95% 9.95% 9.95% 9.95% 9.95% 9.95% 9.96% 9.95% 9.90% 9.95% 9.90% 9.95% 9.96% 9.96% 9.96% 9.96% 9.96% 9.96% 9.96% 9.96% 9.96%	\$17.04 \$59.47 \$83.05 \$242.19 \$37.84 \$316.80 \$571.99 \$1,337.57 \$318.55 \$711.04 \$1,119.34 \$2,140.10 \$2015 \$16.79 \$2,29.66 \$3,46.46 \$2,24.84 \$5,56.96 \$2,24.84 \$5,56.96 \$2,24.84 \$5,56.96 \$1,46.94 \$5,24.84 \$5,56.96 \$1,46.94	8.21% 8.77% 8.84% 8.94% 8.94% 8.94% 8.95% 8.95% 8.95% 8.95% 8.95% 8.95% 8.95% 8.20% 8.20% 8.20% 8.21% 8.21% 8.21% 8.21% 8.21% 8.21%
	5/8 5/8 5/8 5/8 5/8 5/8 5/8 1 1/2 1 1/2 2 1/2 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8	CCFs) 1 10 15 40 5 5 50 100 250 60 120 200 400 Water Consumption (in CCFs) 1 1 10 15 40 5 5 50 100 250 60 60	Residential Residential Residential Residential Residential Commercial Commercial Commercial Industrial Commercial Residential Residential Residential Residential Commercial Commercial Commercial Commercial Industrial	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$165.50 \$337.20 \$662.00 \$1,324.00 \$1,324.00 \$1,324.00 \$1,324.00 \$1,324.00 \$1,324.00 \$1,324.00 \$1,324.00 \$1,324.00 \$1,324.00 \$1,324.00	\$11.26 \$38.49 \$53.62 \$155.75 \$24.61 \$204.93 \$368.70 \$26.04 \$1.376.02 \$204.76 \$458.91 \$720.94 \$1.376.02 \$2011 \$11.10 \$36.88 \$51.21 \$147.91 \$22.56 \$184.42 \$327.67 \$900.69 \$180.14	70.07% 16.29% 8.00% 17.64% 48.70% 48.70% 23.83% 11.39% 3.93% 3.93% 3.93% 3.93% 15.54% 8.90% 4.1.71% 3.1.43% 11.43% 11.43% 11.13% 8.84% 9.930%	\$12.74 \$43.79 \$61.04 \$177.46 \$27.96 \$233.15 \$419.85 \$979.95 \$233.33 \$522.41 \$821.12 \$1.567.92 \$12.56 \$28.28 \$1.92 \$1.567.92 \$1.567.92 \$1.567.92	13.17% 13.76% 13.82% 13.94% 13.04% 13.02% 13.97% 13.87% 13.95% 13.95% 13.95% 13.95% 13.18% 13.175% 13.175% 13.175% 13.175% 13.175% 13.175% 13.175% 13.175% 13.186% 13.186% 13.186% 13.186% 13.186% 13.186% 13.186% 13.186%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$265.27 \$478.10 \$1,116.61 \$265.89 \$594.70 \$355.23 \$1,786.58 \$47.72 \$16.63 \$192.00 \$20.00 \$1,116.47 \$192.00 \$1,116.47 \$192.00 \$1,16.47 \$1,16.47 \$1,16.47 \$1,16.47 \$1,16.47 \$1,16.47 \$1,26.47 \$1,26.47 \$1,26.47 \$1,26.47 \$1,16.47 \$1,2	13,17% 13,83% 13,94% 13,83% 13,94% 13,62% 13,77% 13,95% 13,84% 13,95% 13,95% 13,95% 13,15%	\$15.75 \$34.68 \$76.31 \$222.90 \$34.83 \$291.92 \$525.34 \$1227.70 \$392.36 \$63.24 \$1.027.33 \$1.964.31 \$2014 \$1.552 \$2.38	9.20% 9.77% 9.83% 9.94% 9.16% 9.78% 9.95% 9.95% 9.95% 9.95% 9.95% 9.90% 9.90% 9.76% 9.83% 9.90% 9.76% 9.83% 9.95% 9.95%	\$17.04 \$59.47 \$33.05 \$242.19 \$31.88 \$31.68 \$571.09 \$1.337.57 \$318.55 \$711.04 \$1.119.34 \$2.140.10 \$5.97 \$7.29 \$2.29.96 \$3.34.64 \$2.44.01 \$3.46.09 \$4.56.00 \$4.56.00 \$4	8.21% 8.77% 8.84% 8.94% 8.64% 8.64% 8.95% 8.95% 8.95% 8.95% 8.95% 8.95% 8.85% 8.95% 8.85% 8.95% 8.85% 8.95% 8.85% 8.95% 8.85% 8.95% 8.85% 8.95% 8.85% 8.95% 8.85%
	5/8 5/8 5/8 5/8 5/8 5/8 1 1/2 1 1/2 2 1/2 5/8 2 2 2 Meter Size 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8	CCFs) 1 10 15 40 5 5 50 100 250 60 120 200 400 Water Consumption (in CCFs) 1 10 15 40 5 50 100 250	Residential Residential Residential Residential Residential Commercial Commercial Commercial Industrial Industrial Industrial Industrial Industrial Industrial Commercial Commercial Commercial Industrial Industrial Industrial Industrial Industrial Commercial Residential Residential Residential Commercial Commercial Commercial Commercial Industrial Industrial Industrial	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$16.55 \$182.60 \$331.00 \$827.50 \$198.60 \$132.400 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00 \$1.324.00	\$11.26 \$38.49 \$53.62 \$155.75 \$24.61 \$204.93 \$368.70 \$860.02 \$204.76 \$458.91 \$720.94 \$1,376.02 \$111.10 \$36.88 \$51.21 \$147.91 \$22.56 \$184.42 \$327.67 \$900.69	70.07% 16.29% 8.00% 17.64% 48.70% 23.83% 11.39% 3.93% 3.93% 3.93% 3.10% 25.54% 8.90% 3.93% 3.14% 11.43% 3.14% 11.43% 3.00% 11.14% 3.63.00% 11.14% 3.63.00% 11.14% 8.84%	\$12.74 \$43.79 \$61.04 \$177.46 \$23.96 \$233.15 \$419.85 \$979.95 \$233.33 \$522.41 \$821.12 \$1.567.92 \$1.256.5 \$41.95 \$5.26 \$1.256.5 \$1.2	13.17% 13.76% 13.82% 13.94% 13.94% 13.95% 13.87% 13.95% 13.81% 13.95% 13.81% 13.95% 13.81% 13.95% 13.81% 13.15% 13.85% 13.85% 13.86% 13.91%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$478.10 \$1,116.61 \$265.89 \$594.70 \$935.23 \$1,786.58 \$1,786.58 \$29.10 \$238.60 \$238.	13.17% 13.76% 13.83% 13.94% 13.62% 13.77% 13.95% 13.87% 13.95% 13.95% 13.95% 13.15% 13.95% 13.15% 13.15% 13.15% 13.15% 13.15% 13.26% 13.15% 13.15% 13.26% 13.15%	\$15.75 \$54.68 \$76.31 \$222.30 \$34.43 \$1,227.70 \$552.34 \$1,227.70 \$292.36 \$653.24 \$1,027.83 \$1,027	9.20% 9.77% 9.83% 9.94% 9.64% 9.78% 9.95% 9.95% 9.95% 9.95% 9.95% 9.95% 9.95% 9.96% 9.95% 9.90% 9.95% 9.90% 9.95% 9.96% 9.96% 9.96% 9.96% 9.96% 9.96% 9.96% 9.96% 9.96%	\$17.04 \$59.47 \$33.05 \$242.19 \$37.84 \$31.680 \$571.99 \$1,337.57 \$318.55 \$711.04 \$1,119.34 \$2,140.10 \$2,140.10 \$1,149.34 \$2,140.10 \$1,149.34 \$2,140.10 \$1,149.34 \$2,140.10 \$1,149.34 \$1,149.3	8.21% 8.77% 8.84% 8.94% 8.94% 8.94% 8.95% 8.95% 8.95% 8.95% 8.95% 8.95% 8.95% 8.20% 8.20% 8.20% 8.21% 8.21% 8.21% 8.21% 8.21% 8.21%
	5/8 5/8 5/8 5/8 5/8 1 1/2 1 1/2 1 1/2 2 2 2 Meter Size 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8	CCFs) 1 10 15 40 5 50 100 250 400 Water Consumption (in CCFs) 1 10 15 40 5 100 250 60 120 60 120 100 120	Residential Residential Residential Residential Residential Commercial Commercial Commercial Industrial Commercial Residential Residential Residential Residential Commercial Commercial Commercial Commercial Industrial	\$6.62 \$33.10 \$49.65 \$132.40 \$16.55 \$165.50 \$331.00 \$827.50 \$198.60 \$397.20 \$62.00 \$1.324.00 Current Bill Current Sill \$49.65 \$122.40 \$16.55 \$152.40 \$16.55 \$152.40	\$11.26 \$38.49 \$33.62 \$155.75 \$24.61 \$204.93 \$368.70 \$860.02 \$204.76 \$458.91 \$720.94 \$1,376.02	70.07% 16.29% 8.00% 17.64% 8.00% 17.64% 48.70% 23.83% 3.93% 3.93% 3.93% 3.93% 3.10% 3.93% 3.11.43% 3.1.47% 3.3.30% 11.1.19% 3.3.30% 11.1.19% 3.3.30% 3.3.30% 3.3.30% 3.3.30% 3.3.30% 3.3.30% 3.3.30% 3.3.30% 3.3.30% 3.3.30%	\$12.74 \$43.79 \$61.04 \$177.46 \$27.96 \$233.15 \$419.85 \$979.95 \$233.33 \$522.41 \$821.12 \$1.567.92 \$12.56 \$41.95 \$51.567.92 \$12.56 \$10.56 \$1	13.17% 13.76% 13.82% 13.94% 13.02% 13.02% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.15% 13.25% 13.86% 13.95% 13.86% 13.95% 13.85% 13.85% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95% 13.95%	\$14.42 \$49.81 \$69.47 \$202.20 \$31.77 \$478.10 \$1,116.61 \$265.89 \$594.70 \$935.23 \$1,786.58 \$1,786.58 \$29,10 \$238.60 \$238.	13.17% 13.76% 13.83% 13.94% 13.62% 13.77% 13.95% 13.87% 13.95% 13.95% 13.95% 13.95% 13.16% 13.75% 13.16% 13.75% 13.95%	\$15.75 \$54.68 \$76.31 \$222.30 \$34.83 \$291.22 \$525.34 \$1,227.70 \$90.25 \$653.24 \$1,027.83	9.20% 9.77% 9.83% 9.94% 9.83% 9.95% 9.95% 9.95% 9.95% 9.95% 9.95% 9.96% 9.76% 9.83% 9.66% 9.95% 9.95% 9.95% 9.95% 9.95% 9.95% 9.95% 9.95% 9.95% 9.95% 9.95%	\$17.04 \$59.47 \$33.05 \$242.19 \$37.84 \$31.680 \$571.99 \$1,337.57 \$318.55 \$711.04 \$1,119.34 \$2,140.10 \$2,140.10 \$1,149.34 \$2,140.10 \$1,149.34 \$2,140.10 \$1,149.34 \$2,140.10 \$1,149.34 \$1,149.3	8.21% 8.77% 8.84% 8.94% 8.64% 8.69% 8.95%

Village of Downers Grove Water Rate Study

SCHEDULE 16B - OUTSIDE VILLAC	GE SAMPLE BILLS									Wat
		Current Rates		2011	2012		2013		2014	 2015
	A	Alternative A - Curr	ent l	Rate Structure	e			١.,		
	Outside Village - Unit Rate per CCF (Min 2 CCFs)	\$ 3.85	s	4.42	\$ 5.03	\$	5.74	\$	6.31	\$ 6.88
	Alternative B - Fixed C	Charge Based on M	eter	Size with Unit	Rate Volum	e Ch	arge			
	Outside Village - Bi-Monthly Fixed Charge Outside Village - Unit Rate per CCF (No Minimum)		s s	8.23 3.81					11.42 5.44	12.32 5.93
	Alternative C - Fixed Cha	rge Based on Meter	r Siz	e with Resider	ntial Inclining	Blo	ck Rate			

Meter Size	Equivalent	
5/8	1.00	\$8.23
1	1.50	\$12.35
1 1/2	5.00	\$41.16
2	8.00	\$65.86
3	15.00	\$123.49
4	25.00	\$205.81
6	50.00	\$411.63
10	120.00	\$987.91

Outside Village - Bi-Monthly Fixed Charge	S	8.23		9.29	\$	10.49	\$	11.42	\$	12.32
Outside Village - Unit Rate per CCF (No Minimum)	\$	3.81	\$	4.34	\$	4.95	\$	5.44	\$	5.93
Alternative C - Fixed Charge Bas	ed on Meter Size w	ith Reside	ential	Inclining	Bloc	k Rate				
Outside Village - Bi-Monthly Fixed Charge Outside Village - Residential Inclining Block Rate	s	8.23	\$	9.29	\$	10.49	\$	11.42	\$	12.32
Level 1: 0 - 15 CCFs per CCF	\$	3.52	\$	4.01	\$	4.57	\$	5.03	\$	5.48
Level 2: 15 - 30 CCFs per CCF	\$	4.40	\$	5.01	\$	5.71	\$	6.29	\$	6.85
Level 3: Over 30 CCFs per CCF	\$	5.28	\$	6.02	\$	6.86	\$	7.54	\$	8.22
Outside Village - Non-Residential Unit Rate per CCF	\$	3.81	\$	4.34	\$	4.95	\$	5.44	\$	5.93
Alternative D - Fixed Charge Based	on Meter Size with	n Multiple	Class	Inclining	g Ble	ock Rate	s			
Outside Village - Bi-Monthly Fixed Charge Outside Village - Residential Inclining Block Rate	s	8.23	\$	9.29	\$	10.49	\$	11.42	\$	12.32
Level 1: 0 - 15 CCFs per CCF		\$3.41	\$	3.89	\$	4.43	\$	4.87	\$	5.31
Level 2: 15 - 30 CCFs per CCF		\$4.26	\$	4.86	\$	5.54	\$	6.09	\$	6.64
Level 3: Over 30 CCFs per CCF		\$5.11	\$	5.83	\$	6.65	\$	7.31	\$	7.9
Commercial Unit Rate per CCF										
Level 1: 0 - 100 CCFs per CCF	\$	3.41	\$	3.89	\$	4.43	\$	4.87	\$	5.3
Level 2: 100 - 200 CCFs per CCF	s	4.26	\$	4.86	\$	5.54	\$	6.09	\$	6.6
Level 3: Over 200 CCFs per CCF	S	5.11	\$	5.83	S	6.65	S	7.31	s	7.9

			Alternative A												
Meter Size	Water Consumption (in		Current Bill												
5/8	CCFs)	Customer Class Residential	\$7.70	2011 \$8.83	% Difference 14.70%	\$ 10.07	% Difference 14.00%	2013 \$ 11.48	% Difference 14.00%	\$ 12.63	% Difference 10.00%	2015 \$ 13.76	% Difference 9.00%		
5/8	15	Residential	\$7.70 \$57.75	\$66.24	14.70%	\$ 75.51	14.00%	\$ 86.08	14.00%	\$ 94.69	10.00%	\$ 103.22	9.00%		
5/8	20	Residential	\$37.73 \$77.00	\$88.32	14.70%	\$ 100.68	14.00%	\$ 114.78	14.00%	\$ 126.26	10.00%	\$ 103.22	9.00%		
5/8	25	Residential	\$96.25	\$110.40	14.70%	\$ 125.85	14.00%	\$ 143.47	14.00%	\$ 157.82	10.00%	\$ 172.03	9.00%		
5/8	5	Commercial	\$19.25	\$22.08	14.70%	\$ 25.17	14.00%	\$ 28.69	14.00%	\$ 31.56	10.00%	\$ 34.41	9.00%		
1 1/2	50	Commercial	\$192.50	\$220.80	14.70%	\$ 251.71	14.00%	\$ 286.95	14.00%	\$ 315.64	10.00%	\$ 344.05	9.00%		
2	100	Commercial	\$385.00	\$441.60	14.70%	\$ 503.42	14.00%	\$ 573.90	14.00%	\$ 631.29	10.00%	\$ 688.10	9.00%		
3	150	Commercial	\$577.50	\$662.39	14.70%	\$ 755.13	14.00%	\$ 860.85	14.00%	\$ 946.93	10.00%	\$ 1,032.15	9.00%		
5/8	60	Industrial	\$231.00	\$264.96	14.70%	\$ 302.05	14.00%	\$ 344.34	14.00%	\$ 378.77	10.00%	\$ 412.86	9.00%		
1 1/2	120	Industrial	\$462.00	\$529.91	14.70%	\$ 604.10	14.00%	\$ 688.68	14.00%	\$ 757.54	10.00%	\$ 825.72	9.00%		
2	200	Industrial	\$770.00	\$883.19	14.70%	\$1,006.84	14.00%	\$1,147.79	14.00%	\$ 1,262.57	10.00%	\$1,376.20	9.00%		
3	350	Industrial	\$1,347.50	\$1,545.58	14.70%	\$1,761.96	14.00%	\$2,008.64	14.00%	\$ 2,209.50	10.00%	\$2,408.36	9.00%		
								Alterna	ntive B						
	Water Consumption (in		Current Bill												
	CCFs)	Customer Class		2011	% Difference	2012	% Difference	2013	% Difference	2014	% Difference	2015	% Difference		
5/8	1	Residential	\$7.70	\$12.04	56.37%	\$13.63	13.22%	\$15.44	13.22%	\$16.86	9.25%	\$18.26	8.26%		
5/8	12	Residential	\$46.20	\$53.93	16.73%	\$61.39	13.83%	\$69.88	13.83%	\$76.75	9.83%	\$83.53	8.84%		
5/8	20	Residential	\$77.00	\$84.40	9.61%	\$96.12	13.89%	\$109.47	13.89%	\$120.30	9.89%	\$131.00	8.90%		
5/8	25 5	Residential Commercial	\$96.25 \$19.25	\$103.44 \$27.27	7.47% 41.68%	\$117.83 \$31.00	13.91% 13.66%	\$134.22 \$35.23	13.91% 13.66%	\$147.52 \$38.64	9.91% 9.67%	\$160.67 \$41.99	8.92% 8.68%		
5/8	50	Commercial	\$192.50	\$27.27	20.30%	\$263.52	13.80%	\$299.89	13.80%	\$329.30	9.81%	\$358.32	8.81%		
2	100	Commercial	\$385.00	\$446.68	16.02%	\$203.32 \$508.47	13.83%	\$578.81	13.83%	\$529.30 \$635.76	9.81%	\$691.99	8.84%		
3	150	Commercial	\$577.50	\$694.72	20.30%	\$790.57	13.80%	\$899.67	13.80%	\$987.90	9.81%	\$1,074.95	8.81%		
5/8	60	Commercial	\$231.00	\$236.73	2.48%	\$269.77	13.96%	\$307.44	13.96%	\$338.06	9.96%	\$368.37	8.96%		
1 1/2	120	Commercial	\$462.00	\$498.15	7.82%	\$567.42	13.91%	\$646.33	13.91%	\$710.39	9.91%	\$773.70	8.91%		
2	200	Commercial	\$770.00	\$827.50	7.47%	\$942.60	13.91%	\$1,073.72	13.91%	\$1,180.17	9.91%	\$1,285.39	8.92%		
3	350	Commercial	\$1,347.50	\$1,456.36	8.08%	\$1,658.85	13.90%	\$1,889.50	13.90%	\$2,076.72	9.91%	\$2,261.75	8.91%		
								Alterna	ntive C						
	Water Consumption (in		Current Bill					Alterna							
	CCFs)	Customer Class	Current Bill	2011	% Difference	2012	% Difference	2013	% Difference	2014	% Difference	2015	% Difference		
5/8	CCFs)	Residential	\$7.70	\$11.75	52.60%	\$13.30	13.20%	2013 \$15.06	% Difference 13.20%	\$16.45	9.23%	\$17.80	8.24%		
5/8	CCFs) 1 12	Residential Residential	\$7.70 \$46.20	\$11.75 \$50.45	52.60% 9.19%	\$13.30 \$57.42	13.20% 13.81%	2013 \$15.06 \$65.35	% Difference 13.20% 13.82%	\$16.45 \$71.77	9.23% 9.82%	\$17.80 \$78.10	8.24% 8.83%		
5/8 5/8	CCFs) 1 12 20	Residential Residential Residential	\$7.70 \$46.20 \$77.00	\$11.75 \$50.45 \$82.99	52.60% 9.19% 7.78%	\$13.30 \$57.42 \$94.51	13.20% 13.81% 13.89%	2013 \$15.06 \$65.35 \$107.64	% Difference 13.20% 13.82% 13.89%	\$16.45 \$71.77 \$118.29	9.23% 9.82% 9.89%	\$17.80 \$78.10 \$128.81	8.24% 8.83% 8.89%		
5/8 5/8 5/8	CCFs) 1 12 20 25	Residential Residential Residential Residential	\$7.70 \$46.20 \$77.00 \$96.25	\$11.75 \$50.45 \$82.99 \$104.97	52.60% 9.19% 7.78% 9.06%	\$13.30 \$57.42 \$94.51 \$119.58	13.20% 13.81% 13.89% 13.91%	2013 \$15.06 \$65.35 \$107.64 \$136.21	% Difference 13.20% 13.82% 13.89% 13.91%	\$16.45 \$71.77 \$118.29 \$149.72	9.23% 9.82% 9.89% 9.92%	\$17.80 \$78.10 \$128.81 \$163.07	8.24% 8.83% 8.89% 8.92%		
5/8 5/8 5/8 5/8	CCFs) 1 12 20 25 5	Residential Residential Residential Residential Commercial	\$7.70 \$46.20 \$77.00 \$96.25 \$19.25	\$11.75 \$50.45 \$82.99 \$104.97 \$27.27	52.60% 9.19% 7.78% 9.06% 41.68%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00	13.20% 13.81% 13.89% 13.91% 13.66%	2013 \$15.06 \$65.35 \$107.64 \$136.21 \$35.23	% Difference 13.20% 13.82% 13.89% 13.91% 13.66%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64	9.23% 9.82% 9.89% 9.92% 9.67%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99	8.24% 8.83% 8.89% 8.92% 8.68%		
5/8 5/8 5/8 5/8 1 1/2	CCFs) 1 12 20 25 5 50	Residential Residential Residential Residential Commercial Commercial	\$7.70 \$46.20 \$77.00 \$96.25 \$19.25 \$192.50	\$11.75 \$50.45 \$82.99 \$104.97 \$27.27 \$231.57	52.60% 9.19% 7.78% 9.06% 41.68% 20.30%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00 \$263.52	13.20% 13.81% 13.89% 13.91% 13.66% 13.80%	2013 \$15.06 \$65.35 \$107.64 \$136.21 \$35.23 \$299.89	% Difference 13.20% 13.82% 13.89% 13.91% 13.66% 13.80%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64 \$329.30	9.23% 9.82% 9.89% 9.92% 9.67% 9.81%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99 \$358.32	8.24% 8.83% 8.89% 8.92% 8.68% 8.81%		
5/8 5/8 5/8 5/8 1 1/2 2	CCFs) 1 12 20 25 5 100	Residential Residential Residential Residential Commercial Commercial Commercial	\$7.70 \$46.20 \$77.00 \$96.25 \$19.25 \$192.50 \$385.00	\$11.75 \$50.45 \$82.99 \$104.97 \$27.27 \$231.57 \$446.68	52.60% 9.19% 7.78% 9.06% 41.68% 20.30% 16.02%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00 \$263.52 \$508.47	13.20% 13.81% 13.89% 13.91% 13.66% 13.80% 13.83%	2013 \$15.06 \$65.35 \$107.64 \$136.21 \$35.23 \$299.89 \$578.81	% Difference 13.20% 13.82% 13.89% 13.91% 13.66% 13.80% 13.83%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64 \$329.30 \$635.76	9.23% 9.82% 9.89% 9.92% 9.67% 9.81% 9.84%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99 \$358.32 \$691.99	8.24% 8.83% 8.89% 8.92% 8.68% 8.81% 8.84%		
5/8 5/8 5/8 5/8 1 1/2 2 3	CCFs) 1 12 20 25 5 50 100 150	Residential Residential Residential Residential Commercial Commercial Commercial	\$7.70 \$46.20 \$77.00 \$96.25 \$19.25 \$192.50 \$385.00 \$577.50	\$11.75 \$50.45 \$82.99 \$104.97 \$27.27 \$231.57 \$446.68 \$694.72	52.60% 9.19% 7.78% 9.06% 41.68% 20.30% 16.02% 20.30%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00 \$263.52 \$508.47 \$790.57	13.20% 13.81% 13.89% 13.91% 13.66% 13.80% 13.83% 13.80%	2013 \$15.06 \$65.35 \$107.64 \$136.21 \$35.23 \$299.89 \$578.81 \$899.67	% Difference 13.20% 13.82% 13.89% 13.91% 13.66% 13.80% 13.83% 13.80%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64 \$329.30 \$635.76 \$987.90	9.23% 9.82% 9.89% 9.92% 9.67% 9.81% 9.84% 9.81%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99 \$358.32 \$691.99 \$1,074.95	8.24% 8.83% 8.89% 8.92% 8.68% 8.81% 8.84% 8.84%		
5/8 5/8 5/8 5/8 1 1/2 2 3 5/8	CCFs) 1 12 20 25 5 50 100 150 60	Residential Residential Residential Residential Commercial Commercial Commercial Commercial Commercial	\$7.70 \$46.20 \$77.00 \$96.25 \$19.25 \$192.50 \$385.00 \$577.50 \$231.00	\$11.75 \$50.45 \$82.99 \$104.97 \$27.27 \$231.57 \$446.68 \$694.72 \$236.73	52.60% 9.19% 7.78% 9.06% 41.68% 20.30% 16.02% 20.30% 2.48%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00 \$263.52 \$508.47 \$790.57 \$269.77	13.20% 13.81% 13.89% 13.91% 13.66% 13.80% 13.83% 13.80% 13.96%	2013 \$15.06 \$65.35 \$107.64 \$136.21 \$35.23 \$299.89 \$578.81 \$899.67 \$307.44	% Difference 13.20% 13.82% 13.89% 13.91% 13.66% 13.80% 13.80% 13.80% 13.96%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64 \$329.30 \$635.76 \$987.90 \$338.06	9.23% 9.82% 9.89% 9.92% 9.67% 9.81% 9.84% 9.81% 9.96%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99 \$358.32 \$691.99 \$1,074.95 \$368.37	8.24% 8.83% 8.89% 8.92% 8.68% 8.81% 8.84% 8.81% 8.96%		
5/8 5/8 5/8 5/8 1 1/2 2 3	CCFs) 1 12 20 25 5 50 100 150	Residential Residential Residential Residential Commercial Commercial Commercial	\$7.70 \$46.20 \$77.00 \$96.25 \$19.25 \$192.50 \$385.00 \$577.50	\$11.75 \$50.45 \$82.99 \$104.97 \$27.27 \$231.57 \$446.68 \$694.72	52.60% 9.19% 7.78% 9.06% 41.68% 20.30% 16.02% 20.30%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00 \$263.52 \$508.47 \$790.57	13.20% 13.81% 13.89% 13.91% 13.66% 13.80% 13.83% 13.80%	2013 \$15.06 \$65.35 \$107.64 \$136.21 \$35.23 \$299.89 \$578.81 \$899.67	% Difference 13.20% 13.82% 13.89% 13.91% 13.66% 13.80% 13.83% 13.80%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64 \$329.30 \$635.76 \$987.90	9.23% 9.82% 9.89% 9.92% 9.67% 9.81% 9.84% 9.81%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99 \$358.32 \$691.99 \$1,074.95	8.24% 8.83% 8.89% 8.92% 8.68% 8.81% 8.84% 8.84%		
5/8 5/8 5/8 5/8 1 1/2 2 3 5/8 1 1/2	CCFs) 1 12 20 25 5 50 100 150 60 120	Residential Residential Residential Residential Residential Commercial Commercial Commercial Commercial Commercial Commercial	\$7.70 \$46.20 \$77.00 \$96.25 \$19.25 \$192.50 \$385.00 \$577.50 \$231.00 \$462.00	\$11.75 \$50.45 \$82.99 \$104.97 \$27.27 \$231.57 \$446.68 \$694.72 \$236.73 \$498.15	52.60% 9.19% 7.78% 9.06% 41.68% 20.30% 16.02% 20.30% 2.48% 7.82%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00 \$263.52 \$508.47 \$790.57 \$269.77	13.20% 13.81% 13.89% 13.91% 13.66% 13.80% 13.83% 13.80% 13.96% 13.91%	2013 \$15.06 \$65.35 \$107.64 \$136.21 \$35.23 \$299.89 \$578.81 \$899.67 \$307.44 \$646.33	% Difference 13.20% 13.82% 13.89% 13.91% 13.66% 13.80% 13.80% 13.91%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64 \$329.30 \$635.76 \$987.90 \$338.06 \$710.39	9.23% 9.82% 9.89% 9.92% 9.67% 9.81% 9.84% 9.84% 9.96% 9.91%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99 \$358.32 \$691.99 \$1,074.95 \$368.37 \$773.70	8.24% 8.83% 8.89% 8.92% 8.68% 8.81% 8.84% 8.81% 8.96% 8.91%		
5/8 5/8 5/8 5/8 1 1/2 2 3 5/8 1 1/2 2 3	CCFs) 1 12 20 25 5 00 100 150 60 120 200	Residential Residential Residential Residential Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial	\$7.70 \$46.20 \$77.00 \$96.25 \$19.25 \$192.50 \$385.00 \$577.50 \$231.00 \$462.00 \$770.00	\$11.75 \$50.45 \$82.99 \$104.97 \$27.27 \$231.57 \$446.68 \$694.72 \$236.73 \$498.15 \$827.50	52.60% 9.19% 7.78% 9.06% 41.68% 20.30% 16.02% 20.30% 2.48% 7.82% 7.47%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00 \$263.52 \$508.47 \$790.57 \$269.77 \$567.42	13.20% 13.81% 13.89% 13.91% 13.66% 13.80% 13.83% 13.80% 13.96% 13.91% 13.91%	2013 \$15.06 \$65.35 \$107.64 \$136.21 \$35.23 \$299.89 \$578.81 \$899.67 \$307.44 \$646.33 \$1,073.72	% Difference 13.20% 13.82% 13.89% 13.91% 13.66% 13.80% 13.83% 13.80% 13.96% 13.91% 13.90%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64 \$329.30 \$635.76 \$987.90 \$338.06 \$710.39	9.23% 9.82% 9.89% 9.92% 9.67% 9.81% 9.84% 9.81% 9.91%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99 \$358.32 \$691.99 \$1,074.95 \$368.37 \$773.70 \$1,285.39	8.24% 8.83% 8.89% 8.92% 8.68% 8.81% 8.84% 8.81% 8.96% 8.91%		
5/8 5/8 5/8 5/8 1 1/2 2 3 5/8 1 1/2 2 3	CCFs) 1 12 20 25 5 00 100 150 60 120 200	Residential Residential Residential Residential Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial	\$7.70 \$46.20 \$77.00 \$96.25 \$19.25 \$19.25 \$385.00 \$577.50 \$331.00 \$462.00 \$770.00 \$1,347.50	\$11.75 \$50.45 \$82.99 \$104.97 \$27.27 \$231.57 \$446.68 \$694.72 \$236.73 \$498.15 \$827.50	52.60% 9.19% 7.78% 9.06% 41.68% 20.30% 16.02% 20.30% 2.48% 7.82% 7.47%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00 \$263.52 \$508.47 \$790.57 \$269.77 \$567.42	13.20% 13.81% 13.89% 13.91% 13.66% 13.80% 13.83% 13.80% 13.96% 13.91% 13.91%	2013 \$15.06 \$65.35 \$107.64 \$136.21 \$35.23 \$299.89 \$578.81 \$899.67 \$307.44 \$646.33 \$1,073.72	% Difference 13.20% 13.82% 13.89% 13.91% 13.66% 13.80% 13.83% 13.80% 13.96% 13.91% 13.90%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64 \$329.30 \$635.76 \$987.90 \$338.06 \$710.39	9.23% 9.82% 9.89% 9.92% 9.67% 9.81% 9.84% 9.81% 9.91%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99 \$358.32 \$691.99 \$1,074.95 \$368.37 \$773.70 \$1,285.39	8.24% 8.83% 8.89% 8.92% 8.68% 8.81% 8.84% 8.81% 8.96% 8.91%		
5/8 5/8 5/8 5/8 1 1/2 2 3 5/8 1 1/2 2 3	CCFs) 1 12 20 25 5 50 100 150 60 120 200 350	Residential Residential Residential Residential Residential Commercial	\$7.70 \$46.20 \$77.00 \$96.25 \$19.25 \$192.50 \$385.00 \$577.50 \$462.00 \$770.00 \$1,347.50	\$11.75 \$50.45 \$82.99 \$104.97 \$27.27 \$231.57 \$446.68 \$694.72 \$236.73 \$498.15 \$827.50 \$1,456.36	52.60% 9.19% 7.78% 9.06% 41.68% 20.30% 16.02% 20.30% 2.48% 7.82% 7.47% 8.08%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00 \$263.52 \$508.47 \$790.57 \$269.77 \$367.42 \$942.60 \$1,658.85	13.20% 13.81% 13.89% 13.91% 13.66% 13.80% 13.80% 13.91% 13.91% 13.91% 13.90%	2013 \$15.06 \$65.35 \$107.64 \$136.21 \$35.23 \$299.89 \$578.81 \$899.67 \$307.44 \$646.33 \$1,073.72 \$1,889.50	% Difference 13.20% 13.82% 13.89% 13.91% 13.66% 13.80% 13.80% 13.96% 13.99% 13.91% 13.91% 13.90%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64 \$329.30 \$635.76 \$987.90 \$338.06 \$710.39 \$1.180.17 \$2,076.72	9.23% 9.82% 9.89% 9.92% 9.67% 9.81% 9.84% 9.81% 9.91% 9.91%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99 \$358.32 \$691.99 \$1,074.95 \$368.37 \$773.70 \$1,285.39 \$2,261.75	8.24% 8.83% 8.89% 8.92% 8.68% 8.81% 8.84% 8.81% 8.91% 8.92% 8.91%		
5/8 5/8 5/8 5/8 1 1/2 2 3 5/8 1 1/2 2 3	CCFs) 1 12 20 25 5 50 100 150 60 120 200 350 Water Consumption (in CCFs)	Residential Residential Residential Residential Residential Commercial	\$7.70 \$46.20 \$77.00 \$96.25 \$19.25 \$19.25 \$19.25 \$385.00 \$577.50 \$231.00 \$770.00 \$1,347.50	\$11.75 \$50.45 \$82.99 \$104.97 \$27.27 \$231.57 \$446.68 \$694.72 \$236.73 \$498.15 \$827.50 \$1,456.36	52.60% 9.19% 7.78% 9.06% 41.68% 20.30% 16.02% 20.30% 2.48% 7.47% 8.08% % Difference 51.20%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00 \$263.52 \$508.47 \$790.57 \$269.77 \$567.42 \$942.60 \$1,658.85	13.20% 13.81% 13.89% 13.91% 13.66% 13.80% 13.80% 13.91% 13.91% 13.91% 13.91%	2013 \$15.06 \$65.35 \$107.64 \$136.21 \$35.23 \$299.89 \$578.81 \$899.67 \$307.44 \$646.33 \$1,073.72 \$1,889.50	% Difference 13.20% 13.82% 13.89% 13.91% 13.66% 13.80% 13.80% 13.91% 13.90% 13.91% 13.90%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64 \$329.30 \$635.76 \$987.90 \$338.06 \$710.39 \$1,180.17 \$2,076.72	9.23% 9.82% 9.89% 9.92% 9.67% 9.81% 9.81% 9.96% 9.91% 9.91% 9.91%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99 \$358.32 \$691.99 \$1,074.95 \$368.37 \$773.70 \$1,285.39 \$2,261.75	8.24% 8.83% 8.89% 8.92% 8.68% 8.81% 8.84% 8.91% 8.91% 8.91%		
5/8 5/8 5/8 5/8 1 1/2 2 3 5/8 1 1/2 2 3 5/8 5/8 5/8	CCFs) 1 12 20 25 5 50 100 150 60 120 2200 350 Water Consumption (in CCFs) 1 12	Residential Residential Residential Residential Residential Commercial Residential Residential	\$7.70 \$46.20 \$77.00 \$96.25 \$192.25 \$192.25 \$388.50 \$577.50 \$231.00 \$462.00 \$770.00 \$1,347.50	\$11.75 \$50.45 \$82.99 \$104.97 \$27.27 \$231.57 \$446.68 \$694.72 \$236.73 \$498.15 \$827.50 \$1,456.36	52.60% 9.19% 7.78% 9.06% 41.68% 20.30% 16.02% 20.30% 2.48% 7.82% 7.47% 8.08% **Difference 51.20% 6.39%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00 \$263.52 \$508.47 \$790.57 \$269.77 \$567.42 \$942.60 \$1,658.85	13.20% 13.81% 13.89% 13.91% 13.66% 13.80% 13.80% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91%	2013 \$15.06 \$65.35 \$107.624 \$136.21 \$35.23 \$299.89 \$578.81 \$899.67 \$307.44 \$646.33 \$1,073.72 \$1,889.50 Alterna 2013 2013 \$14.92 \$1.492 \$1.492 \$1.492 \$1.600	% Difference 13.20% 13.82% 13.89% 13.91% 13.66% 13.80% 13.80% 13.96% 13.96% 13.91% 13.90% ative D % Difference 13.20% 13.81%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64 \$329.30 \$635.76 \$987.90 \$710.39 \$1,180.17 \$2,076.72	9.23% 9.82% 9.89% 9.92% 9.67% 9.81% 9.84% 9.81% 9.91% 9.91% 9.91% 9.91%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99 \$358.32 \$691.99 \$1,074.95 \$368.37 \$773.70 \$1,285.39 \$2,261.75	8.24% 8.83% 8.89% 8.92% 8.68% 8.81% 8.84% 8.91% 8.91% 8.92% 8.91%		
5/8 5/8 5/8 5/8 5/8 1 1/2 2 3 5/8 1 1/2 2 3 5/8 5/8 5/8 5/8 5/8	CCFs) 1 12 20 25 5 50 100 150 60 120 200 350 Water Consumption (in CCFs) 1 12 20	Residential Residential Residential Residential Residential Commercial Residential Residential Residential	\$7.70 \$46.20 \$77.00 \$96.25 \$19.25 \$19.25 \$19.25 \$385.00 \$231.00 \$770.00 \$1,347.50 \$1,347.50	\$11.75 \$50.45 \$82.99 \$104.97 \$27.27 \$231.57 \$446.68 \$694.72 \$236.73 \$498.15 \$827.50 \$1,456.36	52.60% 9.19% 7.78% 9.06% 41.68% 20.30% 16.02% 20.30% 2.48% 7.82% 7.82% 7.47% 8.08% % Difference 51.20% 6.39% 4.79%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00 \$263.52 \$508.47 \$790.57 \$269.77 \$567.42 \$942.60 \$1,658.85	13.20% 13.81% 13.89% 13.91% 13.66% 13.80% 13.83% 13.96% 13.91% 13.91% 13.91% 13.91% 13.91% 13.98%	2013 \$15.06 \$65.35 \$107.64 \$136.21 \$33.23 \$299.89 \$578.81 \$899.67 \$307.44 \$646.33 \$1,073.72 \$1,889.50 Alternz 2013 \$14.92 \$14.92 \$13.66 \$104.66 \$104.66	% Difference 13.20% 13.82% 13.89% 13.91% 13.60% 13.80% 13.391% 13.80% 13.90% 13.90% 4tive D % Difference 13.20% 13.81% 13.81% 13.81%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64 \$329.30 \$635.76 \$987.90 \$338.06 \$710.39 \$1.180.17 \$2,076.72	9.23% 9.82% 9.89% 9.92% 9.67% 9.81% 9.81% 9.96% 9.91% 9.91% 9.91% 9.91% 9.91%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99 \$358.32 \$691.99 \$1,074.95 \$368.32 \$71.75 \$1,285.39 \$2,261.75	8.24% 8.83% 8.89% 8.92% 8.68% 8.81% 8.84% 8.81% 8.96% 8.91% 8.92% 8.91% 8.92% 8.91% 8.92% 8.91%		
5/8 5/8 5/8 5/8 5/8 1 1/2 2 3 5/8 1 1/2 2 3 5/8 5/8 5/8 5/8	CCFs) 1 12 20 25 5 50 100 150 60 120 200 350 Water Consumption (in CCFs) 1 12 20 25	Residential Residential Residential Residential Residential Residential Commercial Residential Residential Residential Residential	\$7.70 \$46.20 \$77.00 \$96.25 \$192.55 \$192.55 \$388.50 \$577.50 \$231.00 \$462.00 \$77.00 \$1,347.50	\$11.75 \$50.45 \$82.99 \$104.97 \$231.57 \$446.68 \$694.72 \$236.73 \$498.15 \$827.50 \$1,456.36	52.60% 9.19% 7.78% 9.06% 41.68% 20.30% 16.02% 20.30% 2.48% 7.82% 7.47% 8.08% **Difference 51.20% 6.39% 4.79% 5.98%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00 \$263.52 \$508.47 \$790.57 \$269.77 \$567.42 \$942.60 \$1,658.85	13.20% 13.81% 13.89% 13.91% 13.66% 13.80% 13.80% 13.96% 13.96% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91%	2013 \$15.06 \$65.35 \$107.64 \$13.6.21 \$35.23 \$299.89 \$578.81 \$899.67 \$307.44 \$646.33 \$1,073.72 \$1,889.50 Alterne 21,492 \$63.66 \$14.92 \$63.66 \$14.92 \$13.23 \$12.35	% Difference 13.20% 13.82% 13.89% 13.91% 13.66% 13.80% 13.83% 13.96% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64 \$329.30 \$635.76 \$987.90 \$1.180.17 \$2,076.72	9.23% 9.82% 9.89% 9.92% 9.67% 9.81% 9.81% 9.91% 9.91% 9.91% 9.91% 9.91% 9.91%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99 \$358.32 \$691.99 \$1,074.95 \$368.37 \$773.70 \$1,285.39 \$2,261.75	8.24% 8.83% 8.89% 8.92% 8.68% 8.81% 8.96% 8.91% 8.91% 8.92% 8.91% % Difference 8.24% 8.82% 8.89% 8.89%		
5/8 5/8 5/8 5/8 5/8 1 11/2 2 3 5/8 1 11/2 2 3 5/8 5/8 5/8 5/8 5/8	CCFs) 1 12 20 25 5 50 100 150 60 120 200 350 Water Consumption (in CCFs) 1 1 20 20 5 5 5	Residential Residential Residential Residential Residential Residential Commercial Residential Residential Residential Residential Residential Residential Commercial	\$7.70 \$46.20 \$77.00 \$96.25 \$19.25 \$19.25 \$19.25 \$19.25 \$385.00 \$377.50 \$231.00 \$770.00 \$1.347.50 \$1.347.50 \$2.70 \$2.70 \$2.70 \$2.70 \$3.70 \$4.62 \$1.70 \$3.70 \$3.70 \$4.62 \$1.90 \$	\$11.75 \$50.45 \$82.99 \$104.97 \$27.27 \$231.57 \$446.68 \$694.72 \$236.73 \$498.15 \$827.50 \$1,456.36	52.60% 9.19% 7.78% 9.06% 41.68% 20.30% 16.02% 20.30% 2.48% 7.82% 8.08% **Difference* 51.20% 6.39% 4.79% 5.98%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00 \$263.52 \$508.47 \$790.57 \$567.42 \$942.60 \$1,658.85 \$2012 \$13.18 \$15.94 \$18.95 \$116.19 \$18.95	13.20% 13.81% 13.89% 13.91% 13.66% 13.80% 13.80% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.93% 13.91% 13.63%	2013 \$15.06 \$65.35 \$107.64 \$136.21 \$35.23 \$299.89 \$578.81 \$899.67 \$307.44 \$646.33 \$1,073.72 \$1,889.50 Atterne 2013 \$14.92 \$13.86 \$104.65 \$132.35 \$132.35 \$132.35 \$132.35	% Difference 13.20% 13.82% 13.82% 13.91% 13.91% 13.96% 13.80% 13.80% 13.91%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64 \$329.30 \$635.76 \$987.90 \$338.06 \$710.39 \$1,180.17 \$2,076.72	9 23% 9 82% 9 82% 9 82% 9 92% 9 96% 9 81% 9 81% 9 91% 9 91% 9 91% 9 93% 9 98% 9 99% 9 98% 9 99% 9 98% 9 99%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99 \$358.32 \$691.99 \$1,074.95 \$368.37 \$773.70 \$1,285.30 \$7.64 \$7.64 \$7.64 \$1.25.23 \$1.2	8.24% 8.83% 8.89% 8.92% 8.68% 8.81% 8.81% 8.91% 8.91% 8.91% 8.91% 8.91% 8.91% 8.91% 8.91% 8.91% 8.82% 8.89% 8.89% 8.89%		
5/8 5/8 5/8 5/8 5/8 5/8 5/8 1 1/2 2 3 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8	CCFs) 1 12 20 25 5 50 100 150 60 120 200 350 Water Consumption (in CCFs) 1 1 2 20 25 5 50	Residential Residential Residential Residential Residential Residential Commercial Residential Residential Residential Residential Residential Residential Commercial Commercial Commercial	\$7.70 \$46.20 \$77.00 \$96.25 \$192.55 \$192.55 \$192.55 \$192.55 \$3885.00 \$577.50 \$3885.00 \$462.00 \$1.347.50 Current Bill \$7.70 \$46.20 \$77.00 \$96.25 \$192.25	\$11.75 \$50.45 \$82.99 \$104.97 \$27.27 \$231.57 \$246.68 \$694.72 \$236.73 \$498.15 \$827.50 \$1,456.36	52.60% 9.19% 9.19% 9.00% 41.68% 9.00% 41.68% 20.30% 16.02% 7.47% 8.08% W. Difference 51.20% 6.39% 4.79% 6.39% 4.79% 6.39% 4.79% 6.39% 4.79% 6.33% 9.95%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00 \$263.52 \$508.47 \$790.57 \$269.77 \$567.42 \$942.60 \$1,658.85 2012 \$13.18 \$55.94 \$1.65 \$11.619 \$11.619 \$11.619 \$11.619 \$11.619	13.20% 13.81% 13.89% 13.91% 13.66% 13.80% 13.80% 13.90% **Difference 13.199% 13.81% 13.91% 13.91% 13.81% 13.81% 13.81% 13.85%	2013 \$15.06 \$65.35 \$107.64 \$13.6.21 \$35.23 \$299.89 \$578.81 \$646.33 \$1,073.72 \$1.889.50 Alterna 2013 \$14.92 \$ 63.66 \$ 104.65 \$ 104.65 \$ 104.65 \$ 104.65 \$ 132.35 \$ 32.64 \$ 274.00	% Difference 13.20% 13.82% 13.89% 13.91% 13.96% 13.91% 13.80% 13.30% 13.30% 13.90% 140 D % Difference 13.20% 13.81% 13.88% 13.83% 13.83% 13.83% 13.83% 13.83% 13.83% 13.83% 13.83% 13.83% 13.91% 13.83% 13.83% 13.83% 13.83%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64 \$329.30 \$635.76 \$987.90 \$338.06 \$710.39 \$1,180.17 \$2,076.72	9 23% 9 82% 9 82% 9 82% 9 92% 9 967% 9 81% 9 81% 9 91% 9 91% 9 91% 9 92% 9 82% 9 82% 9 82% 9 89% 9 89% 9 89% 9 89% 9 991%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99 \$13.98 \$3691.99 \$1,074.95 \$368.37 \$773.70 \$1,285.39 \$2,261.75 \$17.64 \$76.08 \$125.23 \$125.	8.24% 8.83% 8.89% 8.99% 8.68% 8.81% 8.81% 8.90% 8.91% 8.91% 8.24% 8.224 8.829 8.89% 8.91% 8.89% 8.89%		
5/8 5/8 5/8 5/8 5/8 1 1/2 2 3 5/8 1 1/2 2 3 3 5/8 5/8 5/8 5/8 5/8 1 1/2 2 2	CCFs) 1 12 20 25 5 50 100 150 60 120 200 350 Water Consumption (in CCFs) 1 12 20 20 5 5 50 100	Residential Residential Residential Residential Residential Residential Commercial Residential Residential Residential Residential Commercial Commercial Commercial	\$7.70 \$46.20 \$77.00 \$96.25 \$192.50 \$192.50 \$388.50 \$231.00 \$770.00 \$1,347.50 \$46.20 \$770.00 \$46.20 \$77.00 \$46.20 \$77.00 \$46.20 \$77.00 \$46.20 \$77.00 \$46.20 \$77.00 \$46.20 \$77.00 \$46.20 \$77.00 \$	\$11.75 \$50.45 \$82.99 \$104.97 \$27.27 \$231.57 \$446.68 \$694.72 \$236.73 \$498.15 \$827.50 \$1,456.36	52.60% 9.19% 9.19% 9.06% 41.68% 420.30% 16.02% 7.82% 7.82% 7.82% 7.47% 8.08%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00 \$263.52 \$508.47 \$269.77 \$269.77 \$269.77 \$269.77 \$269.78 \$942.60 \$1,658.85 \$116.19 \$13.18 \$13	13.20% 13.81% 13.89% 13.91% 13.91% 13.66% 13.80% 13.80% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.81% 13.88% 13.81% 13.88% 13.81% 13.81% 13.81% 13.81% 13.81% 13.81% 13.81%	2013 \$15.06 \$65.35 \$107.64 \$13.6.21 \$35.23 \$35.23 \$299.89 \$578.81 \$899.67 \$40.73 \$1.873.72 \$1.889.50 Alterns 2013 \$14.92 \$63.66 \$104.65 \$104.6	% Difference 13.20% 13.82% 13.89% 13.91% 13.91% 13.96% 13.80% 13.80% 13.91% 13.81% 13.88% 13.91% 13.88% 13.91% 13.88% 13.91% 13.88% 13.88%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64 \$329.30 \$635.76 \$987.90 \$338.06 \$710.39 \$1,180.17 \$2,076.72 2014 \$16.29 \$6.91 \$115.00 \$15.79 \$15.70 \$15.70 \$15.70 \$15.70 \$15.70 \$15.7	9 23% 9 82% 9 82% 9 82% 9 92% 9 87% 9 81% 9 81% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 9 82% 9 89% 9 9 89% 9 9 89% 9 9 9 89%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99 \$358.32 \$1,074.95 \$368.37 \$773.70 \$1,285.39 \$2,261.75 \$76.08 \$125.23 \$17.64 \$17.60 \$125.23 \$17.64 \$17.60	8.24% 8.83% 8.89% 8.92% 8.68% 8.81% 8.814% 8.96% 8.91% 8.91% 8.92% 8.224% 8.224% 8.829 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		
5/8 5/8 5/8 5/8 1 1/2 2 3 5/8 1 1/2 2 3 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8	CCFs) 1 12 20 25 5 50 100 150 60 120 200 350 Water Consumption (in CCFs) 1 12 20 25 5 5 100 150	Residential Residential Residential Residential Residential Residential Commercial Residential Residential Residential Residential Commercial Commercial Commercial	\$7.70 \$46.20 \$77.00 \$96.25 \$19.25 \$19.25 \$19.25 \$385.00 \$377.00 \$46.20 \$770.00 \$1.347.50 \$46.20 \$770.00 \$1.347.50 \$46.20 \$577.00 \$46.25 \$19.25 \$19.25 \$19.25 \$19.25 \$19.25	\$11.75 \$50.45 \$82.99 \$104.97 \$27.27 \$231.57 \$246.68 \$694.72 \$23.6.73 \$498.15 \$827.50 \$11.456.36 \$102.00 \$252.88 \$211.66 \$406.85 \$607.59	52.60% 9.19% 9.10% 9.00% 41.68% 9.00% 41.68% 20.30% 16.02% 20.30% 5.42% 7.47% 8.08% % Difference 5.120% 6.39% 4.79% 5.98% 31.33% 9.95% 5.67% 17.33%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00 \$263.52 \$508.47 \$790.57 \$269.77 \$269.77 \$269.77 \$1,658.85 \$11.18 \$555.94 \$11.658.85 \$11.619 \$20.82 \$463.05 \$71.04	13.20% 13.81% 13.81% 13.95% 13.91% 13.66% 13.30% 13.90% 13.91% 13.90%	2013 \$15.06 \$65.35 \$107.64 \$13.6.21 \$35.23 \$299.89 \$578.81 \$899.67 \$307.44 \$646.33 \$1,073.72 \$1,889.67 \$3.07.44 \$646.33 \$1,073.72 \$1,889.67 \$3.07.44 \$646.33 \$1,073.72 \$1,889.67 \$1,073.72	% Difference 13.20% 13.82% 13.89% 13.91% 13.90% 13.80% 13.80% 13.80% 13.80% 13.90% 13.91% 13.90% 140** 13.91% 13.90% 141** 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.91% 13.81% 13.85% 13.81% 13.85% 13.81% 13.82% 13.82% 13.82%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64 \$329.30 \$338.06 \$710.39 \$11.180.17 \$2.076.72 2014 \$16.29 \$69.91 \$115.00 \$145.47 \$35.78 \$15.	9 23% 9 83% 9 83% 9 89% 9 92% 9 81% 9 81% 9 81% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 82% 9 82% 9 85% 9 95% 9 95% 9 95% 9 95% 9 95% 9 95% 9 95% 9 95% 9 95% 9 95% 9 95% 9 95%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99 \$358.32 \$691.99 \$1,074.95 \$368.37 \$773.70 \$1,285.39 \$2,261.75 \$17.64 \$76.08 \$125.23 \$158.44 \$76.08 \$125.23 \$158.44 \$125.23 \$158.44 \$125.23 \$158.44 \$125.23 \$158.44 \$125.23 \$125.2	\$.24% \$.83% \$.95% \$.92% \$.92% \$.91% \$.81% \$.96% \$.91% \$.91% \$.91% \$.91% \$.91% \$.91% \$.91% \$.91% \$.91% \$.91% \$.91% \$.91% \$.91% \$.91% \$.91% \$.91% \$.92% \$.91% \$.92% \$.91% \$.92% \$.91% \$.92% \$.91% \$.92% \$.91% \$.92% \$.91% \$.92% \$.91% \$.92% \$.91% \$.92% \$.91% \$.92% \$.91% \$.92% \$.91% \$.92% \$.91%		
5/8 5/8 5/8 5/8 1 1/2 2 3 5/8 1 1/2 2 3 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8	CCFs) 1 12 20 25 5 50 100 150 60 120 200 350 Water Consumption (in CCFs) 12 20 25 5 50 100 150 60	Residential Residential Residential Residential Residential Residential Commercial Residential Residential Residential Residential Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial	\$7.70 \$46.20 \$77.00 \$96.25 \$192.50 \$192.50 \$388.50 \$388.500 \$377.50 \$231.00 \$770.00 \$1,347.50 \$46.20 \$770.00 \$96.25 \$192.50 \$192.50 \$192.50 \$388.500 \$577.500	\$11.75 \$50.45 \$82.99 \$104.97 \$27.27 \$231.57 \$446.68 \$694.72 \$236.73 \$498.15 \$827.50 \$1,456.36 \$49.15 \$80.69 \$102.00 \$25.28 \$310.66 \$40.65 \$40.	52.60% 9.19% 9.19% 7.78% 9.00% 41.68% 20.30% 16.02% 20.30% 5.48% 7.82% 7.47% 8.08% **Difference 51.20% 6.39% 4.79% 5.96% 31.33% 9.95% 17.33% 7.87%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00 \$263.52 \$508.47 \$790.57 \$269.77 \$269.77 \$269.77 \$267.42 \$942.60 \$1,658.85 \$116.19 \$240.82 \$48.42 \$4	13.20% 13.81% 13.89% 13.91% 13.91% 13.66% 13.80% 13.80% 13.91% 13.90% 13.91% 13.91% 13.95% 13.91% 13.95% 13.91% 13.95% 13.91% 13.95% 13.91% 13.88% 13.88% 13.88% 13.88% 13.81% 13.88% 13.91% 13.81% 13.81% 13.81% 13.81% 13.81% 13.81% 13.81% 13.81% 13.81% 13.91% 13.91% 13.91% 13.91%	2013 \$15.06 \$65.35 \$107.64 \$136.21 \$35.23 \$299.89 \$578.81 \$899.67 \$307.44 \$646.33 \$1,073.72 \$1,889.50 \$1,8	% Difference 13.20% 13.82% 13.89% 13.91% 13.91% 13.96% 13.80% 13.30% 13.30% 13.91% 13.90% 13.91% 13.91% 13.95% 13.91% 13.95% 13.91% 13.98% 13.91% 13.81% 13.88% 13.91% 13.81% 13.88% 13.91% 13.81% 13.88% 13.91% 13.81% 13.88% 13.91% 13.81% 13.81% 13.81% 13.81% 13.91% 13.91% 13.91% 13.91% 13.91%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64 \$329.30 \$635.76 \$987.90 \$11.80.17 \$2.076.72 2014 \$16.29 \$11.500 \$11.50	9 23% 9 83% 9 82% 9 82% 9 92% 9 87% 9 81% 9 81% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99 \$358.32 \$1.074.95 \$368.37 \$773.70 \$1.285.39 \$2.261.75 \$2015 \$17.64 \$76.08 \$125.23 \$15.25 \$38.89 \$125.23 \$15.25 \$	8.24% 8.83% 8.89% 8.90% 8.90% 8.68% 8.81% 8.84% 8.91% 8.91% 8.91% 8.91% 8.91% 8.90% 8.91% 8.82% 8.82% 8.83% 8.83% 8.83% 8.83% 8.83% 8.83% 8.91%		
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5/8 5/8 5/8 5/8 1 1/2 2 3 5/8 1 1/2 2 3 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8 5/8	CCFs) 1 12 20 25 5 50 100 150 60 120 200 350 Water Consumption (in CCFs) 12 20 25 5 50 100 150 60	Residential Residential Residential Residential Residential Residential Commercial Residential Residential Residential Residential Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial	\$7.70 \$46.20 \$77.00 \$96.25 \$192.50 \$192.50 \$388.50 \$388.500 \$377.50 \$231.00 \$770.00 \$1,347.50 \$46.20 \$770.00 \$96.25 \$192.50 \$192.50 \$192.50 \$388.500 \$577.500	\$11.75 \$50.45 \$82.99 \$104.97 \$27.27 \$231.57 \$446.68 \$694.72 \$236.73 \$498.15 \$827.50 \$1,456.36 \$49.15 \$80.69 \$102.00 \$25.28 \$310.66 \$40.65 \$40.	52.60% 9.19% 9.19% 7.78% 9.00% 41.68% 20.30% 16.02% 20.30% 5.48% 7.82% 7.47% 8.08% **Difference 51.20% 6.39% 4.79% 5.96% 31.33% 9.95% 17.33% 7.87%	\$13.30 \$57.42 \$94.51 \$119.58 \$31.00 \$263.52 \$508.47 \$790.57 \$269.77 \$269.77 \$269.77 \$267.42 \$942.60 \$1,658.85 \$116.19 \$240.82 \$48.42 \$4	13.20% 13.81% 13.89% 13.91% 13.91% 13.66% 13.80% 13.80% 13.91% 13.90% 13.91% 13.91% 13.95% 13.91% 13.95% 13.91% 13.95% 13.91% 13.95% 13.91% 13.88% 13.88% 13.88% 13.88% 13.81% 13.88% 13.91% 13.81% 13.81% 13.81% 13.81% 13.81% 13.81% 13.81% 13.81% 13.81% 13.91% 13.91% 13.91% 13.91%	2013 \$15.06 \$65.35 \$107.64 \$136.21 \$35.23 \$299.89 \$578.81 \$899.67 \$307.44 \$646.33 \$1,073.72 \$1,889.50 \$1,8	% Difference 13.20% 13.82% 13.89% 13.91% 13.91% 13.96% 13.80% 13.30% 13.30% 13.91% 13.90% 13.91% 13.91% 13.95% 13.91% 13.95% 13.91% 13.98% 13.91% 13.81% 13.88% 13.91% 13.81% 13.88% 13.91% 13.81% 13.88% 13.91% 13.81% 13.88% 13.91% 13.81% 13.81% 13.81% 13.81% 13.91% 13.91% 13.91% 13.91% 13.91%	\$16.45 \$71.77 \$118.29 \$149.72 \$38.64 \$329.30 \$635.76 \$987.90 \$11.80.17 \$2.076.72 2014 \$16.29 \$11.500 \$11.50	9 23% 9 83% 9 82% 9 82% 9 92% 9 87% 9 81% 9 81% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91% 9 91%	\$17.80 \$78.10 \$128.81 \$163.07 \$41.99 \$358.32 \$1.074.95 \$368.37 \$773.70 \$1.285.39 \$2.261.75 \$2015 \$17.64 \$76.08 \$125.23 \$15.25 \$38.89 \$125.23 \$15.25 \$	8.24% 8.83% 8.89% 8.90% 8.90% 8.68% 8.81% 8.84% 8.91% 8.91% 8.91% 8.91% 8.91% 8.90% 8.91% 8.82% 8.82% 8.83% 8.83% 8.83% 8.83% 8.83% 8.83% 8.91%		

SCHEDULE 17 - CAPACITY FEE

Average Day System Capacity
IDNR Water Allocation 6.589 MGD
Five Year Average System Daily Usage 5.261 MGD
Percentage of Average Daily Capacity Utilized 79.8%

Equivalent Dwelling Unit Analysis
Current Number of EDUs in System 22,738
Percentage of Average Daily Capacity Utilized 79.8%
Remaining EDUs Available 5,740

Total EDU's at Full Capacity Utilization 28,478

System Buy-In Method

System Day In Nicolog										
Replacement Cost New Less Depreciation (RCNLD)	\$ 58,769,658				AWWA Demand	Calculated	Current Demand	Current	Current	Total Current
			Meter Size	Line Size	Factors	Capacity Fee	Factors	Connection Fee	Capacity Fee	Capacity
Cost per EDU	\$	2,064	5/8"	1"	1	\$2,100	1	\$1,900	\$600	\$2,500
			3/4"	1 1/4"	1.1	\$2,300			\$600	
			1"	1 1/2"	2.5	\$5,200	1.2	\$2,200	\$600	\$2,800
			1 1/2"	2"	5.0	\$10,300	1.3	\$2,400	\$600	\$3,000
			2"	4"	8.0	\$16,500	1.5	\$2,900	\$600	\$3,500
			3"	6"	15.0	\$31,000	3.4	\$6,500	\$600	\$7,100
			4"	8"	25.0	\$51,600	6.2	\$11,800	\$600	\$12,400
			6"	10"	50.0	\$103,200	9.6	\$18,300	\$600	\$18,900
			8"	12"	120.0	\$247,600	13.8	\$26,300	\$600	\$26,900

SCHEDULE 18 - CAPITAL FEES

_	Current	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Tap Fees											
1"	\$200	\$230	\$240	\$250	\$260	\$270	\$280	\$290	\$300	\$310	\$320
1 1/2"	\$250	\$370	\$380	\$390	\$400	\$410	\$420	\$430	\$440	\$450	\$460
2"	\$325	\$425	\$440	\$450	\$460	\$470	\$480	\$490	\$500	\$520	\$540
Over 2"	\$400	\$590	\$610	\$630	\$650	\$670	\$690	\$710	\$730	\$750	\$770
Meter Fees											
5/8" to 3/4"	\$250	\$260	\$270	\$280	\$290	\$300	\$310	\$320	\$330	\$340	\$350
1"	\$325	\$370	\$380	\$390	\$400	\$410	\$420	\$430	\$440	\$450	\$460
1 1/2"	\$400	\$1,500	\$1,550	\$1,600	\$1,650	\$1,700	\$1,750	\$1,800	\$1,850	\$1,910	\$1,970
2"	\$500	\$1,780	\$1,830	\$1,880	\$1,940	\$2,000	\$2,060	\$2,120	\$2,180	\$2,250	\$2,320
3"	\$0	\$2,940	\$3,030	\$3,120	\$3,210	\$3,310	\$3,410	\$3,510	\$3,620	\$3,730	\$3,840
4"	\$0	\$3,900	\$4,020	\$4,140	\$4,260	\$4,390	\$4,520	\$4,660	\$4,800	\$4,940	\$5,090
6"	\$0	\$6,240	\$6,430	\$6,620	\$6,820	\$7,020	\$7,230	\$7,450	\$7,670	\$7,900	\$8,140
Capacity Fees											
1"	\$1,900	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100
1 1/4"	\$0	\$2,300	\$2,300	\$2,300	\$2,300	\$2,300	\$2,300	\$2,300	\$2,300	\$2,300	\$2,300
1 1/2"	\$2,200	\$5,200	\$5,200	\$5,200	\$5,200	\$5,200	\$5,200	\$5,200	\$5,200	\$5,200	\$5,200
2"	\$2,400	\$10,300	\$10,300	\$10,300	\$10,300	\$10,300	\$10,300	\$10,300	\$10,300	\$10,300	\$10,300
4"	\$2,900	\$16,500	\$16,500	\$16,500	\$16,500	\$16,500	\$16,500	\$16,500	\$16,500	\$16,500	\$16,500
6"	\$6,500	\$31,000	\$31,000	\$31,000	\$31,000	\$31,000	\$31,000	\$31,000	\$31,000	\$31,000	\$31,000
8"	\$11,800	\$51,600	\$51,600	\$51,600	\$51,600	\$51,600	\$51,600	\$51,600	\$51,600	\$51,600	\$51,600
10"	\$18,300	\$103,200	\$103,200	\$103,200	\$103,200	\$103,200	\$103,200	\$103,200	\$103,200	\$103,200	\$103,200
12"	\$26,300	\$247,600	\$247,600	\$247,600	\$247,600	\$247,600	\$247,600	\$247,600	\$247,600	\$247,600	\$247,600

SCHEDULE 19 - OPERATING CASH FLOW

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Revenue											
User Fee Revenue	\$ 7,560,051 \$	8,687,153 \$	9,804,321 \$	11,065,157 \$	12,049,956 \$	13,003,107 \$	14,160,384 \$	15,420,658 \$	16,793,097 \$	18,287,682 \$	19,915,286
Revenues Collected - Westmont & Knottingham	\$ 84,417 \$	84,417 \$	86,949 \$	89,558 \$	92,244 \$	95,012 \$	97,862 \$	100,798 \$	103,822 \$	106,936 \$	110,145
Miscellaneous Revenue	\$ 386,883 \$	324,754 \$	329,967 \$	334,326 \$	343,857 \$	381,944 \$	412,199 \$	502,750 \$	572,519 \$	759,504 \$	900,656
Revenues from Unmetered Water Sales	\$ 5,000 \$	5,000 \$	5,000 \$	5,000 \$	5,000 \$	5,000 \$	5,000 \$	5,000 \$	5,000 \$	5,000 \$	5,000
Use of Available Fund Balance											
Total Operating Revenue	\$ 8,036,351 \$	9,101,324 \$	10,226,238 \$	11,494,041 \$	12,491,058 \$	13,485,063 \$	14,675,445 \$	16,029,206 \$	17,474,438 \$	19,159,123 \$	20,931,087
											<u> </u>
Operating and Capital Expenses											
Total Operating Expenses	\$ 7,548,011 \$	8,180,707 \$	8,764,289 \$	9,394,053 \$	10,040,085 \$	10,741,918 \$	11,504,870 \$	12,334,780 \$	13,238,063 \$	14,221,769 \$	15,293,642
Operating Reserve	\$ - \$	100,000 \$	100,000 \$	100,000 \$	100,000 \$	100,000 \$	100,000 \$	100,000 \$	100,000 \$	100,000 \$	100,000
Existing Debt Service	\$ 503,708 \$	503,003 \$	496,155 \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Cash Funded Capital Projects	\$ 1,113,093 \$	285,000 \$	933,300 \$	660,000 \$	600,000 \$	500,000 \$	- \$	- \$	- \$	- \$	-
Projected Debt Service	\$ - \$	- \$	- \$	905,413 \$	905,413 \$	905,413 \$	1,463,320 \$	1,463,320 \$	1,463,320 \$	1,463,320 \$	1,463,320
3R Reserve	\$ - \$	489,223 \$	333,867 \$	547,201 \$	547,201 \$	439,427 \$	3,555,690 \$	4,590,385 \$	4,826,175 \$	4,872,369 \$	4,919,949
Total Expenses	\$ 9,164,812 \$	9,557,933 \$	10,627,611 \$	11,606,667 \$	12,192,699 \$	12,686,759 \$	16,623,880 \$	18,488,484 \$	19,627,558 \$	20,657,458 \$	21,776,911
Net Surplus (Deficit)	\$ (1,128,461) \$	(456,610) \$	(401,374) \$	(112,626) \$	298,359 \$	798,304 \$	(1,948,435) \$	(2,459,278) \$	(2,153,120) \$	(1,498,335) \$	(845,824)

Village of Downers Grove Water Rate Study

SCHEDULE 20 - CASH BALANCE

	End 2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
"3R" Investments												
Begin FY Cash "3R" Cash Reserves	\$0	\$0	\$0	\$47,276	\$47,277	\$528,547	\$1,075,748	\$1,515,174	\$5,070,865	\$9,661,250	\$14,487,425	\$19,359,793
Annual Contribution		\$0	\$489,223	\$333,867	\$547,201	\$547,201	\$439,427	\$3,555,690	\$4,590,385	\$4,826,175	\$4,872,369	\$4,919,949
Operating (Checking Account) Begin FY Operating Cash Balance (Checking Account) Annual Operating Surplus (Shortfall) Transfer from Available "3R" Cash Reserves Transfer from O&M Reserve Cash Reserves	\$2,312,236	\$2,312,236 (\$1,128,461)	\$1,183,775 (\$456,610) \$441,947	\$1,169,113 (\$401,374) \$333,867	\$1,101,606 (\$112,626) \$65,931	\$1,054,911 \$298,359	\$1,353,269 \$798,304	\$2,151,573 (\$1,948,435)	\$203,138 (\$2,459,278)	(\$2,256,140) (\$2,153,120)	(\$4,409,260) (\$1,498,335)	(\$5,907,595) (\$845,824)
Total Available Cash Balance - Begin FY Total Available Cash Balance - End FY	\$2,312,236	\$2,312,236 \$1,183,775	\$1,183,775 \$1,216,389	\$1,216,389 \$1,148,883	\$1,148,883 \$1,583,457	\$1,583,457 \$2,429,017	\$2,429,017 \$3,666,748	\$3,666,748 \$5,274,003	\$5,274,003 \$7,405,110	\$7,405,110 \$10,078,165	\$10,078,165 \$13,452,199	\$13,452,199 \$17,526,324