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COMMISSION
CLERK

October 3, 2013

Ann Cole, Commission Clerk
Office of Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399

RE: Docket No.: 130180-WS; Application of Sunlake Estates Utilities, L.L.C. for Original
Water and Wastewater Certificates in Lake County, Florida
Our File No.: 46096.01

Dear Ms. Cole:

Apparently in the process of being scanned for e-filing, Document No. 05406-13 includes schedules that are illegible on the Commission's website. Therefore, I am resubmitting those schedules by mail instead of e-filing them. Hopefully this will correct that problem.

Should you or Staff have any questions concerning this filing, please do not hesitate to give me call.

Very truly yours,

MARTIN S. FRIEDMAN
For the Firm

MSF/der
Enclosures

cc: Ben Allen, Esquire (via e-mail, w/enclosures)
Jeremy Davis (via e-mail, w/enclosures)
Julia E. Gilcher, Esquire (via e-mail, w/enclosures)
Zach Broome, Esquire (via e-mail, w/enclosures)
Stephen Reilly, Esquire (via e-mail, w/enclosures)

UTILITY NAME: Sunlake Utilities
 DOCKET NO. 04307-13
 Historical Test Year Ended: July 31, 2013
 CONVERSION OF BILLS TO ERCS AND CALCULATION OF RATES

BY:

**WASTEWATER
RECOMMENDATION**

PART 1	A	B	C	D	E	F	G
		2012	Meter	Meter	2006 TY		Factored
<u>Class / Meter Size</u>		<u>TY Bills</u>	<u>Factor</u>	<u>Equiv</u>	<u>Cons Gals</u>	<u>Factor</u>	<u>Gals</u>
Residential:	5/8" x 3/4"	5,808	1.0	5,808	87,107.720		0
	3/4"	0	1.5	0			
	1"	0	2.5	0			
	1 1/2"	0	5.0	0	0.000		
Gals at cap	0.0%				32,137.540		
Gals over cap					47,554.940		
	0.0%				79,692.480		
Residential Base				5,808			
Residential Gals					87,107.720		
TOTAL RESIDENTIAL		5,808				Avg cons:	14,998
General:	5/8" x 3/4"	12	1.0	12	120.000		
	1"	12	2.5	30	240.000		
	1 1/2"	36	5.0	180	360.000		
	2"	0	8.0	0	0.000		
	3"	0	16.0	0	0.000		
	4"	0	25.0	0	0.000		
	6"	0	50.0	0	0.000		
General Base				222			
General Gals					720.000		12,000
TOTAL GENERAL SERVICE		60					
TOTAL BILLS		5,868					
TOTAL METER EQUIVS:				6,030			
TOTAL GALS:					87,827.720		15

PART 2

		<u>BFC</u>	<u>Gal</u>	% from <u>BFC</u>	% from <u>Gal</u>
1	Revenue Requirement less Misc Revs	225,460			
	Pre-conservation adjustment:				
2	BFC Costs to Recover	\$112,730		50%	
3	Gal Costs to Recover		\$112,730		50%
4	Conservation and misc revs adjustment:	0	0		
	Post-conservation adjustment:				
5	BFC Costs to Recover	112,730		50%	
6	Gal Costs to Recover		112,730		50%
7	Unit Cost per BFC (RS and GS):	\$18.69			
8	Adjusted RS kgals	25,710.032			
9	Adjusted GS kgals	691.200			
10	Total adj RS + GS kgals	26,401.232			
11	Unadjusted kgal charge		\$4.27		
12	Residential Unit Cost per Kgal:		\$3.42		
13	Gen Service Unit Cost per Kgal:		\$4.10		

PART 3

Staff Recom Rates		Staff Recom Revs	
<u>BFC</u>	<u>Gal</u>	<u>BFC</u>	<u>Gal</u>
\$18.69		\$108,552	
18.69		0	
18.69		0	
18.69		0	
	\$3.42		\$109,910
	\$3.42		162,638
	\$3.42		0
		\$108,552	
			\$272,548
			\$381,100
\$18.69	\$4.10	\$224	\$492
46.73	4.10	561	820
93.45	4.10	3,364	1,476
149.52	4.10	0	0
299.04	4.10	0	0
467.25	4.10	0	0
934.50	4.10	0	0
		\$4,149	\$2,788
			\$6,937
			388,037

PART 4

PART 4

Rev Check:	Bills or Gals	Rates	Revenues
Residential			
5/8"	5,808	18.69	108,552
1"	0	46.73	0
1 1/2"	0	93.45	0
2"	0	149.52	0
Cap =	32,137.540	3.42	109,910
Kgals above	47,555	0.00	0
General			
5/8"	12	18.69	224
1"	12	46.73	561
1 1/2"	36	93.45	3,364
2"	0	149.52	0
3"	0	299.04	0
4"	0	467.25	0
6"	0	934.50	0
All Gals	720,000	4.10	<u>2,952</u>
(GS billing kgals are unfactored!)			225,563
			225,460
Over (under)			103
			0.05%

Instructions for the Water Rates Calculator Spreadsheet

Overview:

The Water Rate Calculator spreadsheet calculates post-repression water rates for residential and non-residential customers. Once the necessary accounting, rate design, and billing determinant information has been entered into the spreadsheet, a macro driven addin (Solver) is used to calculate rates that equate post-repression revenues with post-repression revenue requirements.

The spreadsheet consists of six sheets, or pages, each designed to perform a specific task. These pages and their functions are:

'Inputs and Outputs' - This is the main page of the spreadsheet. This is where the accounting and rate design data is entered, and where the final rates and repression effects are reported along with related diagnostic information. The page is designed to be printed out in its entirety to serve as a report for the selected rate design.

'Res Billing Analysis' - This page contains the billing analysis for the residential rate class for which the residential rate design is intended. It also contains monthly ERCs and gallons for residential and non-residential rate classes which are used to test rate designs for revenue sufficiency throughout the test year. Pertinent information from this page is presented in the "Inputs and Outputs" page.

'Rates and Repression' - This page contains the formulas representing the rate-making formula of $\text{Post-Repession Revenues} = \text{Post-Repession Revenue Requirements}$, and is where the computations used to calculate rates and repression take place. Within these formulas, the impact that repression has on revenues and revenue requirements is taken into account. The Excel Solver addin is used here to 'solve' the rate-making formula for final rates and the effects of repression. Pertinent information from this page is presented in the "Inputs and Outputs" page.

'Revenue Sufficiency' - This page uses the test year billing determinants to see if the revenues generated by the rate design will cover the utility's monthly fixed costs. The results of the test are presented in the 'Inputs and Outputs' page.

'Change in Bills' - This page calculates the size of residential bills by usage level under old and proposed rates. This information is used in the repression calculations in the 'Rates and Repression' page.

'Instructions' - The stuff you're reading right now.

The spreadsheet utilizes the following conventions:

- 1) Single or multi-tiered rate designs can be specified for the residential rate class only. All other classes will have, by default, a BFC/Uniform gallonage charge rate structure. The non-residential BFC and gallonage charges will equal average fixed and average variable costs, respectively. If you want to include other customer classes (for example, Residential Irrigation customers) in the single or multi-tiered rate design, you can combine their bills and gallons with the residential billing determinants. Note also that the residential BFC charge is constrained to equal the non-residential BFC charge.

- 2) A repression adjustment will be applied to the number of gallons included in the residential customer class that are above a non-discretionary usage threshold. Non-discretionary usage is water used for essential purposes like drinking, cooking, washing, etc. This type of usage is highly price inelastic (not very sensitive to price changes). Other types of usage, such as outdoor irrigation, is considered as discretionary usage that is more price elastic (more sensitive to price changes). The discretionary usage threshold can be adjusted in the 'Inputs and Outputs' page.
- 3) Repression adjustments are applied only to residential consumption levels when the change in the customer's bill is large enough to be noticeable. This threshold is set such that in order for a repression adjustment to be made, the customer's bill must change by at least 10 percent, and the change must be \$5.00 or more. These threshold parameters may be adjusted in the 'Inputs and Outputs' page.
- 4) Post-repression revenue requirements are calculated by adjusting pre-repression Chemical and Purchased Power expenses (or alternatively Purchased Water expenses) downward in proportion to the reduction in total kgals sold.

Data Entry and Usage Instructions

Note: The cells into which data is to be entered are shaded light blue. All other cells are protected to prevent inadvertently entering data into cells containing formulas. If necessary, protection can be toggled on and off using the Tools-Protection menu commands.

'Inputs and Outputs' Page:

Block 1: Inputs from Accounting - From the accounting spreadsheet, enter the indicated accounting information. Note that the Monthly Fixed Cost Amount contains a formula to set this amount to 1/12 of the Fixed Cost component of Revenue Requirements. This default value can be overridden by entering the needed amount in this cell.

Block 2: Billing Determinants by Rate Class - Enter the number of ERCs and Kgals for each rate class. Remember that all rate classes except Residential will be assigned a BFC/uniform gallonage rate structure with the same BFC and gallonage charge. Only the ERCs and Kgals assigned to the Residential Class are included in the residential rate design process.

Block 3: Existing Residential Rate Structure - Enter the dollar amount of the current BFC for a residential 5/8" customer, the number of Kgals (if any) included in the BFC, the number of rate blocks, the rate block break points, and the rate block gallonage charges. Note that the last rate block's upper limit is indicated by entering the value of 1,000,000.

Example #1: Current rate structure is a BFC/Uniform gallonage rate structure with a 5 kgal allotment in the BFC. The BFC is \$10.00 and the gallonage charge \$2.50 per kgal.

BFC				5.00
Kgal Allotment in BFC:				3
Number of Rate Blocks:				1
	Block	Lower	Upper	Rate
	1	0	1,000,000	2.50

Example #2: Current rate structure is a flat rate structure with a BFC of \$25.00.

BFC				25.00
Kgal Allotment in BFC:				0
Number of Rate Blocks:				1
	Block	Lower	Upper	Rate
	1	0	1,000,000	0.00
	2			

Example #3: Current rate structure is a three tier inclining block rate structure with rate block break points at 6 kgal and 12 kgals. The BFC is \$10.00, the first tier gallonage charge is \$1.00, the second tier gallonage charge is \$1.25, and the third tier gallonage charge is \$1.50.

BFC				10.00
Kgal Allotment in BFC:				0
Number of Rate Blocks:				3
	Block	Lower	Upper	Rate
	1	0	6	1.00
	2	6	12	1.25
	3	12	1,000,000	1.50

Block 4: Discretionary Usage Threshold - Enter the average number of people per household in the service territory. This value determines the threshold for discretionary usage. Note that the typical value used for non-discretionary gallons per day per person is 50 gallons, and that this value may be changed as needed. The Discretionary Usage Threshold is calculated by multiplying the number of people per household times the number of gallons per day per person times 30 days per month.

Block 5: Set Elasticity for Discretionary Usage - Enter the price elasticity of demand to be applied to discretionary usage.

Block 6: Set Repression Threshold Values - Enter the percentage change and dollar amount change that must occur in a customer's bill before repression adjustments will be made.

Block 7: Residential Usage Statistics - This block is used to report selected residential usage statistics that may be helpful in designing appropriate rate structures. The section on the right side of this block entitled 'Selectable Billing Analysis Data' will retrieve from the residential billing analysis the percentage of bills, consolidated gallons, and consolidated discretionary gallons for any selected usage level.

Block 8: Set Residential Rate Design Parameters - This block is where you design the residential rate structure. Enter the percentage of total revenue requirements to be recovery through the Base Facility Charge (BFC). Next, enter the number of rate blocks, rate block break points, and rate factors for the proposed rate design.

Example: Specify a three tier inclining block rate structure with rate block break points at 6 kgal and 12 kgals, and rate factors of 1.00, 1.25, and 1.50.

Number of Rate Blocks: 3

Block	Lower	Upper	Rate Factor
1	0	6	1.00
2	6	12	1.25
3	12	1,000,000	1.50

Block 9: Press <Cntr-r> to Calculate Post-Repression Rates - Once the data in the preceding blocks have been entered (as well as the billing analysis data to be discussed below), pressing <Cntr-r> will run a macro that will find the post-repression rates that cause post-repression revenues to equal post-repression revenue requirements. The residential BFC and gallonage rates are reported first by rate block along with pre-repression gallons, repressed gallons, and post-repression gallons by rate block. The BFC/Uniform gallonage charge rate structure applicable to all other rate classes is reported next, along with the results of a monthly revenue sufficiency check based upon the proposed rate design. On the right side of this block is a report on the Price Induced Conservation Effects (e.g. Repression) expressed on a per customer basis. Note that a print macro activated by pressing <Cntr-p> will automatically print the 'Inputs and Outputs' page. Note also that after changing any data in the preceding blocks, you must press <Cntr-r> again to recalculate rates and repression.

Block 10: Verify Post-Repression Revenues = Post-Repression Revenue Requirements - This block summarizes the calculations used to derive post-repression revenues and post-repression revenue requirements. After calculating a set of rates, be sure to verify that these two quantities are equal. Note that the Excel addin 'Solver' used to calculate rates is a numerical algorithm that searches for a solution (e.g. rates) until a specified level of precision is reached. If Solver reports that a valid solution is found, but that Revenues are not equal to revenue requirements, adjust Solver's solution parameters to tighten the precision of the solution.

Block 11: Change in Bills - Displays how a residential customer's bill will change at various usage levels.

'Res Billing Analysis' Page:

Residential Billing Analysis - Using either the audit results of MFRs, enter the number of bills and gallons by usage level for all rate classes and meter sizes that are to be subject of the residential rate design.

Monthly Billing Determinants - Enter the number of ERCs and Gallons for the residential and non-residential rate classes by month for the test year. This information is used in the Revenue Sufficiency page to insure that revenues from sales are sufficient to cover monthly fixed costs.

7 - Residential Usage Statistics

Percentage Change in Revenue Requirement:	0.0%			Selectable Billing Analysis Data			
	Usage	% Bills	% Kgal	% Disc Kgals			
Percentage of Bills < 1 Kgal per month:	1	0.0%	6.8%	0.0%			
	2	0.0%	13.6%	0.0%			
	3	0.0%	20.5%	0.0%			
	6	0.0%	40.9%	25.7%			
	9	0.0%	61.4%	51.5%			
	12	0.0%	81.9%	77.2%			
Average Usage per Customer:	30	100.0%	90.4%	88.0%			
Discr.Usage per Customer:	40	100.0%	90.4%	88.0%			
	50	100.0%	90.4%	88.0%			

	Total Kgals	(<= 1 Kgal)	(> 1 Kgal)
Number of Residential Bills:	5,808	0	5,808
Number of Residential Kgals:	85,102	0	85,102

8 - Set Residential Rate Design Parameters

Set Target BFC Allocation:	35.00%		Initial Allocation		Conservation Adj.		Target Allocation	
Restrict Repression Recovery in 1st Block	0		BFC	Gallongage	BFC	Gallongage	BFC	Gallongage
(1 = Yes, 0 = No)			\$0	\$0	\$53,045	\$98,512	\$53,045	\$98,512
			#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	35.0%	65.0%

Number of Rate Blocks:	3			Billing Determinants			Billing Determinants		
	Block	Lower	Upper	Rate	Units	Disc. Kgals	Proportions	Bills	Kgals
1	0	3	1.00	0	17,424	0	0.0%	20.5%	0.0%
2	3	8	1.50	0	29,040	29,040	0.0%	34.1%	42.9%
3	8	1,000,000	2.00	5,808	38,638	38,638	100.0%	45.4%	57.1%
4									
5									
Totals:				5,808	85,102	67,678	100.0%	100.0%	100.0%

9 - Press <Cntr-> to Calculate Post Repression Rates

Valid Solution

Residential Rates, Repression, and Revenues					Price Induced Conservation Effects in Kgals/Cust	
BFC	\$8.40					
Block	Rate	Pre-Rep. Kgals	Kgals Repressed	Post-Rep. Kgals	Post-Rep. Revenues	
1	\$0.70	17,424		17,424	\$12,194	Average Overall Consumption: 14.653
2	\$1.05	29,040		29,040	\$30,485	Average Resident Consumption: 14.653
3	\$1.40	38,638		38,638	\$54,082	Average Resident Discr. Consumption: 11.653
4					\$0	
5					\$0	
Totals:		85,102	0	85,102	\$96,761	

All Other Classes Rates and Revenues				Revenue Sufficiency		Percentage Change	
BFC	Rate	Units	Revenues	Minimum	Surplus	Average Overall Consumption:	0.0%
	\$8.40	504	\$4,236	Month	Amount	Average Resident Consumption:	0.0%
\$/Kgal	\$1.14	1,540	\$1,751	MayJunJulAug	\$9,530	Average Resident Discr. Consumption:	0.0%

10 - Verify Post Repression Revenues = Post Repression Revenue Requirement

Pre-Repression Revenue Requirement:	\$151,557	Residential BFC Revenues	\$48,809
Adj Purchase Power	\$0	Residential Gallongage Revenues	\$96,761
Adj Chemicals	\$0		
Adj Purchased Water	\$0	Non-Residential BFC Revenues	\$4,236
Total	\$0	Non-Residential Gallongage Revenues	\$1,751
Grossed up for 4.5% RAFs	\$0		
Post Repression Revenue Requirement:	\$151,557	Post Repression Revenues	\$151,557

Revenue Requirement Shortfall \$0

Water Rates Calculator - Version 6.2

Company: Sunlake Estates
 Docket: 04307-13
 Analyst:
 Date:

1 - Enter Data from the Accounting Spreadsheet:

Original Rev Reqmt From Rates		\$151,557
Change in Revenue Requirement		\$0
New Revenue Requirement	100.0%	\$151,557
% Fixed Cost	0.0%	
% Variable Cost	0.0%	
Purchased Power Expense		
Chemicals Expense		
Purchased Water Expense		
Monthly Fixed Cost Amount:		\$0

2 - Enter Billing Determinants by Rate Class

Billing Determinants:	ERCs	Kgals
Residential	5,808	85,102
General Service	504	1,540
Totals:	6,312	86,642

3 - Enter Existing Residential Rate Structure:

BFC
 Kgal Allotment in BFC:
 Number of Rate Blocks:

Block	Lower	Upper	Rate
1	0		
2			
3			
4			
5			

4 - Set Discretionary Usage Threshold

Average # People per Household	2
x gpd/person non-discr. usage	50
=> Discr. usage threshold (Kgal)	3.000

5 - Set Elasticity for Discretionary Usage

Discretionary Usage Elasticity: -0.400

6 - Set Repression Threshold Values

Repression Threshold (% Change) 10.0%
 Repression Threshold (\$ Change) \$5.00

Change in Bills			
Kgals	% Change	\$ Change	New Bill
0	#DIV/0!	\$8.40	\$8.40
1	#DIV/0!	\$9.10	\$9.10
2	#DIV/0!	\$9.80	\$9.80
3	#DIV/0!	\$10.50	\$10.50
4	#DIV/0!	\$11.55	\$11.55
5	#DIV/0!	\$12.60	\$12.60
6	#DIV/0!	\$13.65	\$13.65
7	#DIV/0!	\$14.70	\$14.70
8	#DIV/0!	\$15.75	\$15.75
9	#DIV/0!	\$17.15	\$17.15
10	#DIV/0!	\$18.55	\$18.55
11	#DIV/0!	\$19.95	\$19.95
12	#DIV/0!	\$21.35	\$21.35
13	#DIV/0!	\$22.75	\$22.75
14	#DIV/0!	\$24.15	\$24.15
15	#DIV/0!	\$25.55	\$25.55
16	#DIV/0!	\$26.95	\$26.95
17	#DIV/0!	\$28.35	\$28.35
18	#DIV/0!	\$29.75	\$29.75
19	#DIV/0!	\$31.15	\$31.15
20	#DIV/0!	\$32.55	\$32.55
21	#DIV/0!	\$33.95	\$33.95
22	#DIV/0!	\$35.35	\$35.35
23	#DIV/0!	\$36.75	\$36.75
24	#DIV/0!	\$38.15	\$38.15
25	#DIV/0!	\$39.55	\$39.55
26	#DIV/0!	\$40.95	\$40.95
27	#DIV/0!	\$42.35	\$42.35
28	#DIV/0!	\$43.75	\$43.75
29	#DIV/0!	\$45.15	\$45.15
30	#DIV/0!	\$46.55	\$46.55
31	#DIV/0!	\$47.95	\$47.95
32	#DIV/0!	\$49.34	\$49.34
33	#DIV/0!	\$50.74	\$50.74
34	#DIV/0!	\$52.14	\$52.14
35	#DIV/0!	\$53.54	\$53.54
36	#DIV/0!	\$54.94	\$54.94
37	#DIV/0!	\$56.34	\$56.34
38	#DIV/0!	\$57.74	\$57.74
39	#DIV/0!	\$59.14	\$59.14
40	#DIV/0!	\$60.54	\$60.54
41	#DIV/0!	\$61.94	\$61.94
42	#DIV/0!	\$63.34	\$63.34
43	#DIV/0!	\$64.74	\$64.74
44	#DIV/0!	\$66.14	\$66.14
45	#DIV/0!	\$67.54	\$67.54
46	#DIV/0!	\$68.94	\$68.94
47	#DIV/0!	\$70.34	\$70.34
48	#DIV/0!	\$71.74	\$71.74
49	#DIV/0!	\$73.14	\$73.14
50	#DIV/0!	\$74.54	\$74.54
51	#DIV/0!	\$75.94	\$75.94
52	#DIV/0!	\$77.34	\$77.34
53	#DIV/0!	\$78.74	\$78.74
54	#DIV/0!	\$80.14	\$80.14
55	#DIV/0!	\$81.54	\$81.54

Old Rate Structure:	# Blks =	0	For Use with Prior Flat Rates	
	Allot'mt =	0	Total Res Usage =	85,102
			Total Res ERCs =	5,808
			Average Res Usage =	14.653

New Rate Structure Billing Determinants

Inputs				Outputs		
Block	Lower	Upper	Rate Factor	Bills	Total KGals	Disc.Usage KGals
Number of Rate Blocks:			3			
1	0	3	1.00	0	17,424	0
2	3	8	1.50	0	29,040	29,040
3	8	1000000	2.00	5,808	38,638	38,638
4		0	0.00	0	0	0
5		0	0.00	0	0	0
Totals				5,808	85,102	67,678

Input: Discretionary Usage Threshold = 3.000

Monthly Billing Determinants

	Residential		All Other Classes	
	ERCs	Kgals	ERCs	Kgals
Jan	484	7,092	42	128
Feb	484	7,092	42	128
Mar	484	7,092	42	128
Apr	484	7,092	42	128
May	484	7,092	42	128
Jun	484	7,092	42	128
Jul	484	7,092	42	128
Aug	484	7,092	42	128
Sep	484	7,092	42	128
Oct	484	7,092	42	128
Nov	484	7,092	42	128
Dec	484	7,092	42	128
Total	5,808	85,102	504	1,540

Output to Change in Bills Page
Average Usage/ERC = 14.653

Calculate Average Usage per New Rate Block

Block	Lower	Upper	Rate Factor	Bills	Kgals Sold	Average Kgals
Number of Rate Blocks:			3			
1	0	3	1.00	0	0	0.000
2	3	8	1.50	0	0	0.000
3	8	1000000	2.00	5,808	85,102	14.653
4		0	0.00	0	0	0.000
5		0	0.00	0	0	0.000

Calculate Average Kgals Billed per New Rate Block

Block	Lower	Upper	Rate Factor	Bills	Kgal Allotment in BFC	Average Billed Kgals
Number of Rate Blocks:			3			
1	0	3	1.00	0	0.000	0.000
2	3	8	1.50	0	0.000	0.000
3	8	1000000	2.00	5,808	0.000	14.653
4		0	0.00	0	0.000	0.000
5		0	0.00	0	0.000	0.000

Outputs

Convergence Check:
Valid Solution

Post Repression Residential Rates					
	Rates	Pre- Repression Kgals	Kgals Repressed	Post- Repression Kgals	Post- Repression Revenues
BFC	\$8.40				\$48,809
Block 1	\$0.70	17,424	0	17,424	\$12,194
Block 2	\$1.05	29,040	0	29,040	\$30,485
Block 3	\$1.40	38,638	0	38,638	\$54,082
Block 4	\$0.00	0	0	0	\$0
Block 5	\$0.00	0	0	0	\$0
Totals:		85,102	0	85,102	\$145,571

Post Repression General Service Rates		
	Rates	
BFC	\$8.40	\$4,236
\$/Kgal	\$1.14	\$1,751
Totals:		\$5,987

Revenues = Revenue Requirement Check	
Post-Repression Rev Requirement	\$151,557
Residential Revenues	\$145,571
General Service Revenues	\$5,987
Totals:	\$151,557
Difference	\$0

New Rate Structure Residential Billing Determinants							
Number of Rate Blocks:		3			Restrict Rep Rec in 1st Block		0
Block	Lower	Upper	Rate Factor	Bills	Total KGals	Disc. Usage KGals	
1	0	3	1.00	0	17,424	0	
2	3	8	1.50	0	29,040	29,040	
3	8	1000000	2.00	5,808	38,638	38,638	
4		0	0.00	0	0	0	
5		0	0.00	0	0	0	
Totals				5,808	85,102	67,678	
Kgals in BFC Allotment					0		
Total Residential Kgals					85,102		

Pre-Represion Revenue Requirements			
	Total	BFC	Gallons
Revenue Requirement Allocations:	\$151,557	\$53,045	\$98,512
Pre-Represion Unit Costs:		\$8.40	\$1.14

Calculate Marginal Cost/Kgal			
Purchased Power Expense		\$0	\$0.00
Chemicals Expense		\$0	\$0.00
Purchased Water Expense		\$0	\$0.00
Total		\$0	
divided by Kgals Sold		86,642	
equals Marginal Cost/Kgal		\$0.00	

Billing Determinants by Rate Class:		
	ERCs	Kgals
Residential	5,808	85,102
General Service	504	1,540
	0	0
	0	0
	0	0
Totals:	6,312	86,642

Price Elasticity for Discretionary Kgals:	-0.40
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Calculate Average Residential Bill per New Rate Block Using Old Rates			
Number of New Rate Blocks:		3	
New Rate Block	Average Billed Kgals	Old Bill	
1	0.000	\$0.00	
2	0.000	\$0.00	
3	14.653	\$0.00	
4	0.000	\$0.00	
5	0.000	\$0.00	
Totals			

Calculate New Pre-Represion Rates		
General Service Revenues and Rates		
Get GS Rates	BFC	\$8.40
	\$/Kgal	\$1.14
Calculate GS Revenues	from BFC	\$4,236
	from \$/Kgal	\$1,751
	Total GS	\$5,987

Residential Revenues and Rates		
Get Residential Rates	BFC	\$8.40
Get Total Revs from Kgals Sold	\$98,512	
less Rev from Gen Ser Kgals	\$1,751	
equals Res Kgal Rev Req	\$96,761	

Calculate Residential Kgal Rates						
Number of Rate Blocks:		3			Total	
Block	Lower	Upper	Rate Factor	Total KGals	Total Factored Kgals	\$/Kgal
1	0	3	1.00	17,424	17,424	\$0.70
2	3	8	1.50	29,040	43,560	\$1.05
3	8	1,000,000	2.00	38,638	77,276	\$1.40
4		0	0.00	0	0	\$0.00
5		0	0.00	0	0	\$0.00
Totals				85,102	138,260	
Revenues from 1st Block at Pre-Represion Rates					\$12,194	
Calculate Residential Revenues						
BFC Revenues					\$48,809	
Kgal Revenues					\$96,761	
Total Residential Revenues					\$145,571	

Pre-Represion Revenue Requirement Check						
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Residential ERC Calculator			
Meter Size	Meter Factor	Bills	ERCs
5/8"	1	484	484
1.25"	4		0
1"	2.5		0
1.5"	5		0
2"	8		0
3"	16		0
4"	25		0
6"	50		0
8"	80		0
Totals		484	484

General Service ERC / MMB Calculator			
Meter Size	Meter Factor	Bills	ERCs
5/8"	1	1	1
1.25"	4		0
1"	2.5	1	3
1.5"	5	3	
2"	8	3	24
3"	16		0
4"	25		0
6"	50		0
8"	90		0
Totals		8	28

MFR F-1	less	equals
Kgals Sold	Non-RS Kgals	RS Kgals
128	-6,964	7,092
128	-6,964	7,092
128	-6,964	7,092
128	-6,964	7,092
128	-6,964	7,092
128	-6,964	7,092
128	-6,964	7,092
128	-6,964	7,092
128	-6,964	7,092
128	-6,964	7,092
128	-6,964	7,092
128	-6,964	7,092
128	-6,964	7,092
128	-6,964	7,092
128	-6,964	7,092
128	-6,964	7,092
1,536	-83,566	85,102

MFR F-1	Prorata
Kgals Sold	% per Mo
7,092	8%
7,092	8%
7,092	8%
7,092	8%
7,092	8%
7,092	8%
7,092	8%
7,092	8%
7,092	8%
7,092	8%
7,092	8%
7,092	8%
7,092	8%
7,092	8%
7,092	8%
85,102	100%

Calculate Bills under Old and New Rates. Calculate Percentage Change by Usage Level.

Old Rate Structure				New Rate Structure				Average Kgal/ERC	
BFC			\$0.00	BFC			\$8.40		14.653
Kgal Allotment in BFC:			0	Kgal Allotment in BFC:			0	% Change in Average Bill	#DIV/0!
Number of Rate Blocks:			0	Number of Rate Blocks:			3	\$ Change in Average Bill	\$25.55
Block	Lower	Upper	Rate	Block	Lower	Upper	Rate	Repression Threshold	
1	0	100	\$0.00	1	0	3	\$0.70	% Change in Bill	10.00%
2			\$0.00	2	3	8	\$1.05	\$ Change in Bill	\$5.00
3			\$0.00	3	8	100	\$1.40		
4			\$0.00	4			\$0.00		
5			\$0.00	5			\$0.00		

Calculate Bills at Old and New Rates. Calculate Percentage Change in Bills. Used to Evaluate Appropriateness of New Rate Structure.

Kgals	Old Rate Structure								New Rate Structure								Kgals	% Change in Bill	\$ Change in Bill	Repression % Change in Bill
	BFC	Kgals Billed	Kgals in Block 1	Kgals in Block 2	Kgals in Block 3	Kgals in Block 4	Kgals in Block 5	Total Bill	BFC	Kgals Billed	Kgals in Block 1	Kgals in Block 2	Kgals in Block 3	Kgals in Block 4	Kgals in Block 5	Total Bill				
0	\$0.00	0	0	0	0	0	0	\$0.00	\$8.40	0	0	0	0	0	0	\$8.40	0	#DIV/0!	\$8.40	#DIV/0!
1	\$0.00	1	1	0	0	0	0	\$0.00	\$8.40	1	1	0	0	0	0	\$9.10	1	#DIV/0!	\$9.10	#DIV/0!
2	\$0.00	2	2	0	0	0	0	\$0.00	\$8.40	2	2	0	0	0	0	\$9.80	2	#DIV/0!	\$9.80	#DIV/0!
3	\$0.00	3	3	0	0	0	0	\$0.00	\$8.40	3	3	0	0	0	0	\$10.50	3	#DIV/0!	\$10.50	#DIV/0!
4	\$0.00	4	4	0	0	0	0	\$0.00	\$8.40	4	3	1	0	0	0	\$11.55	4	#DIV/0!	\$11.55	#DIV/0!
5	\$0.00	5	5	0	0	0	0	\$0.00	\$8.40	5	3	2	0	0	0	\$12.60	5	#DIV/0!	\$12.60	#DIV/0!
6	\$0.00	6	6	0	0	0	0	\$0.00	\$8.40	6	3	3	0	0	0	\$13.65	6	#DIV/0!	\$13.65	#DIV/0!
7	\$0.00	7	7	0	0	0	0	\$0.00	\$8.40	7	3	4	0	0	0	\$14.70	7	#DIV/0!	\$14.70	#DIV/0!
8	\$0.00	8	8	0	0	0	0	\$0.00	\$8.40	8	3	5	0	0	0	\$15.75	8	#DIV/0!	\$15.75	#DIV/0!
9	\$0.00	9	9	0	0	0	0	\$0.00	\$8.40	9	3	5	1	0	0	\$17.15	9	#DIV/0!	\$17.15	#DIV/0!
10	\$0.00	10	10	0	0	0	0	\$0.00	\$8.40	10	3	5	2	0	0	\$18.55	10	#DIV/0!	\$18.55	#DIV/0!
11	\$0.00	11	11	0	0	0	0	\$0.00	\$8.40	11	3	5	3	0	0	\$19.95	11	#DIV/0!	\$19.95	#DIV/0!
12	\$0.00	12	12	0	0	0	0	\$0.00	\$8.40	12	3	5	4	0	0	\$21.35	12	#DIV/0!	\$21.35	#DIV/0!
13	\$0.00	13	13	0	0	0	0	\$0.00	\$8.40	13	3	5	5	0	0	\$22.75	13	#DIV/0!	\$22.75	#DIV/0!
14	\$0.00	14	14	0	0	0	0	\$0.00	\$8.40	14	3	5	6	0	0	\$24.15	14	#DIV/0!	\$24.15	#DIV/0!
15	\$0.00	15	15	0	0	0	0	\$0.00	\$8.40	15	3	5	7	0	0	\$25.55	15	#DIV/0!	\$25.55	#DIV/0!
16	\$0.00	16	16	0	0	0	0	\$0.00	\$8.40	16	3	5	8	0	0	\$26.95	16	#DIV/0!	\$26.95	#DIV/0!
17	\$0.00	17	17	0	0	0	0	\$0.00	\$8.40	17	3	5	9	0	0	\$28.35	17	#DIV/0!	\$28.35	#DIV/0!
18	\$0.00	18	18	0	0	0	0	\$0.00	\$8.40	18	3	5	10	0	0	\$29.75	18	#DIV/0!	\$29.75	#DIV/0!
19	\$0.00	19	19	0	0	0	0	\$0.00	\$8.40	19	3	5	11	0	0	\$31.15	19	#DIV/0!	\$31.15	#DIV/0!
20	\$0.00	20	20	0	0	0	0	\$0.00	\$8.40	20	3	5	12	0	0	\$32.55	20	#DIV/0!	\$32.55	#DIV/0!
21	\$0.00	21	21	0	0	0	0	\$0.00	\$8.40	21	3	5	13	0	0	\$33.95	21	#DIV/0!	\$33.95	#DIV/0!
22	\$0.00	22	22	0	0	0	0	\$0.00	\$8.40	22	3	5	14	0	0	\$35.35	22	#DIV/0!	\$35.35	#DIV/0!
23	\$0.00	23	23	0	0	0	0	\$0.00	\$8.40	23	3	5	15	0	0	\$36.75	23	#DIV/0!	\$36.75	#DIV/0!
24	\$0.00	24	24	0	0	0	0	\$0.00	\$8.40	24	3	5	16	0	0	\$38.15	24	#DIV/0!	\$38.15	#DIV/0!
25	\$0.00	25	25	0	0	0	0	\$0.00	\$8.40	25	3	5	17	0	0	\$39.55	25	#DIV/0!	\$39.55	#DIV/0!
26	\$0.00	26	26	0	0	0	0	\$0.00	\$8.40	26	3	5	18	0	0	\$40.95	26	#DIV/0!	\$40.95	#DIV/0!
27	\$0.00	27	27	0	0	0	0	\$0.00	\$8.40	27	3	5	19	0	0	\$42.35	27	#DIV/0!	\$42.35	#DIV/0!
28	\$0.00	28	28	0	0	0	0	\$0.00	\$8.40	28	3	5	20	0	0	\$43.75	28	#DIV/0!	\$43.75	#DIV/0!
29	\$0.00	29	29	0	0	0	0	\$0.00	\$8.40	29	3	5	21	0	0	\$45.15	29	#DIV/0!	\$45.15	#DIV/0!
30	\$0.00	30	30	0	0	0	0	\$0.00	\$8.40	30	3	5	22	0	0	\$46.55	30	#DIV/0!	\$46.55	#DIV/0!
31	\$0.00	31	31	0	0	0	0	\$0.00	\$8.40	31	3	5	23	0	0	\$47.95	31	#DIV/0!	\$47.95	#DIV/0!
32	\$0.00	32	32	0	0	0	0	\$0.00	\$8.40	32	3	5	24	0	0	\$49.34	32	#DIV/0!	\$49.34	#DIV/0!
33	\$0.00	33	33	0	0	0	0	\$0.00	\$8.40	33	3	5	25	0	0	\$50.74	33	#DIV/0!	\$50.74	#DIV/0!
34	\$0.00	34	34	0	0	0	0	\$0.00	\$8.40	34	3	5	26	0	0	\$52.14	34	#DIV/0!	\$52.14	#DIV/0!
35	\$0.00	35	35	0	0	0	0	\$0.00	\$8.40	35	3	5	27	0	0	\$53.54	35	#DIV/0!	\$53.54	#DIV/0!
36	\$0.00	36	36	0	0	0	0	\$0.00	\$8.40	36	3	5	28	0	0	\$54.94	36	#DIV/0!	\$54.94	#DIV/0!
37	\$0.00	37	37	0	0	0	0	\$0.00	\$8.40	37	3	5	29	0	0	\$56.34	37	#DIV/0!	\$56.34	#DIV/0!
38	\$0.00	38	38	0	0	0	0	\$0.00	\$8.40	38	3	5	30	0	0	\$57.74	38	#DIV/0!	\$57.74	#DIV/0!
39	\$0.00	39	39	0	0	0	0	\$0.00	\$8.40	39	3	5	31	0	0	\$59.14	39	#DIV/0!	\$59.14	#DIV/0!
40	\$0.00	40	40	0	0	0	0	\$0.00	\$8.40	40	3	5	32	0	0	\$60.54	40	#DIV/0!	\$60.54	#DIV/0!
41	\$0.00	41	41	0	0	0	0	\$0.00	\$8.40	41	3	5	33	0	0	\$61.94	41	#DIV/0!	\$61.94	#DIV/0!
42	\$0.00	42	42	0	0	0	0	\$0.00	\$8.40	42	3	5	34	0	0	\$63.34	42	#DIV/0!	\$63.34	#DIV/0!
43	\$0.00	43	43	0	0	0	0	\$0.00	\$8.40	43	3	5	35	0	0	\$64.74	43	#DIV/0!	\$64.74	#DIV/0!
44	\$0.00	44	44	0	0	0	0	\$0.00	\$8.40	44	3	5	36	0	0	\$66.14	44	#DIV/0!	\$66.14	#DIV/0!
45	\$0.00	45	45	0	0	0	0	\$0.00	\$8.40	45	3	5	37	0	0	\$67.54	45	#DIV/0!	\$67.54	#DIV/0!

46	\$0.00	46	46	0	0	0	0	\$0.00	\$8.40	46	3	5	38	0	0	\$68.94	46	#DIV/0!	\$68.94	#DIV/0!
47	\$0.00	47	47	0	0	0	0	\$0.00	\$8.40	47	3	5	39	0	0	\$70.34	47	#DIV/0!	\$70.34	#DIV/0!
48	\$0.00	48	48	0	0	0	0	\$0.00	\$8.40	48	3	5	40	0	0	\$71.74	48	#DIV/0!	\$71.74	#DIV/0!
49	\$0.00	49	49	0	0	0	0	\$0.00	\$8.40	49	3	5	41	0	0	\$73.14	49	#DIV/0!	\$73.14	#DIV/0!
50	\$0.00	50	50	0	0	0	0	\$0.00	\$8.40	50	3	5	42	0	0	\$74.54	50	#DIV/0!	\$74.54	#DIV/0!
51	\$0.00	51	51	0	0	0	0	\$0.00	\$8.40	51	3	5	43	0	0	\$75.94	51	#DIV/0!	\$75.94	#DIV/0!
52	\$0.00	52	52	0	0	0	0	\$0.00	\$8.40	52	3	5	44	0	0	\$77.34	52	#DIV/0!	\$77.34	#DIV/0!
53	\$0.00	53	53	0	0	0	0	\$0.00	\$8.40	53	3	5	45	0	0	\$78.74	53	#DIV/0!	\$78.74	#DIV/0!
54	\$0.00	54	54	0	0	0	0	\$0.00	\$8.40	54	3	5	46	0	0	\$80.14	54	#DIV/0!	\$80.14	#DIV/0!
55	\$0.00	55	55	0	0	0	0	\$0.00	\$8.40	55	3	5	47	0	0	\$81.54	55	#DIV/0!	\$81.54	#DIV/0!
56	\$0.00	56	56	0	0	0	0	\$0.00	\$8.40	56	3	5	48	0	0	\$82.94	56	#DIV/0!	\$82.94	#DIV/0!
57	\$0.00	57	57	0	0	0	0	\$0.00	\$8.40	57	3	5	49	0	0	\$84.34	57	#DIV/0!	\$84.34	#DIV/0!
58	\$0.00	58	58	0	0	0	0	\$0.00	\$8.40	58	3	5	50	0	0	\$85.74	58	#DIV/0!	\$85.74	#DIV/0!
59	\$0.00	59	59	0	0	0	0	\$0.00	\$8.40	59	3	5	51	0	0	\$87.14	59	#DIV/0!	\$87.14	#DIV/0!
60	\$0.00	60	60	0	0	0	0	\$0.00	\$8.40	60	3	5	52	0	0	\$88.54	60	#DIV/0!	\$88.54	#DIV/0!
61	\$0.00	61	61	0	0	0	0	\$0.00	\$8.40	61	3	5	53	0	0	\$89.94	61	#DIV/0!	\$89.94	#DIV/0!
62	\$0.00	62	62	0	0	0	0	\$0.00	\$8.40	62	3	5	54	0	0	\$91.34	62	#DIV/0!	\$91.34	#DIV/0!
63	\$0.00	63	63	0	0	0	0	\$0.00	\$8.40	63	3	5	55	0	0	\$92.74	63	#DIV/0!	\$92.74	#DIV/0!
64	\$0.00	64	64	0	0	0	0	\$0.00	\$8.40	64	3	5	56	0	0	\$94.14	64	#DIV/0!	\$94.14	#DIV/0!
65	\$0.00	65	65	0	0	0	0	\$0.00	\$8.40	65	3	5	57	0	0	\$95.54	65	#DIV/0!	\$95.54	#DIV/0!
66	\$0.00	66	66	0	0	0	0	\$0.00	\$8.40	66	3	5	58	0	0	\$96.93	66	#DIV/0!	\$96.93	#DIV/0!
67	\$0.00	67	67	0	0	0	0	\$0.00	\$8.40	67	3	5	59	0	0	\$98.33	67	#DIV/0!	\$98.33	#DIV/0!
68	\$0.00	68	68	0	0	0	0	\$0.00	\$8.40	68	3	5	60	0	0	\$99.73	68	#DIV/0!	\$99.73	#DIV/0!
69	\$0.00	69	69	0	0	0	0	\$0.00	\$8.40	69	3	5	61	0	0	\$101.13	69	#DIV/0!	\$101.13	#DIV/0!
70	\$0.00	70	70	0	0	0	0	\$0.00	\$8.40	70	3	5	62	0	0	\$102.53	70	#DIV/0!	\$102.53	#DIV/0!
71	\$0.00	71	71	0	0	0	0	\$0.00	\$8.40	71	3	5	63	0	0	\$103.93	71	#DIV/0!	\$103.93	#DIV/0!
72	\$0.00	72	72	0	0	0	0	\$0.00	\$8.40	72	3	5	64	0	0	\$105.33	72	#DIV/0!	\$105.33	#DIV/0!
73	\$0.00	73	73	0	0	0	0	\$0.00	\$8.40	73	3	5	65	0	0	\$106.73	73	#DIV/0!	\$106.73	#DIV/0!
74	\$0.00	74	74	0	0	0	0	\$0.00	\$8.40	74	3	5	66	0	0	\$108.13	74	#DIV/0!	\$108.13	#DIV/0!
75	\$0.00	75	75	0	0	0	0	\$0.00	\$8.40	75	3	5	67	0	0	\$109.53	75	#DIV/0!	\$109.53	#DIV/0!
76	\$0.00	76	76	0	0	0	0	\$0.00	\$8.40	76	3	5	68	0	0	\$110.93	76	#DIV/0!	\$110.93	#DIV/0!
77	\$0.00	77	77	0	0	0	0	\$0.00	\$8.40	77	3	5	69	0	0	\$112.33	77	#DIV/0!	\$112.33	#DIV/0!
78	\$0.00	78	78	0	0	0	0	\$0.00	\$8.40	78	3	5	70	0	0	\$113.73	78	#DIV/0!	\$113.73	#DIV/0!
79	\$0.00	79	79	0	0	0	0	\$0.00	\$8.40	79	3	5	71	0	0	\$115.13	79	#DIV/0!	\$115.13	#DIV/0!
80	\$0.00	80	80	0	0	0	0	\$0.00	\$8.40	80	3	5	72	0	0	\$116.53	80	#DIV/0!	\$116.53	#DIV/0!
81	\$0.00	81	81	0	0	0	0	\$0.00	\$8.40	81	3	5	73	0	0	\$117.93	81	#DIV/0!	\$117.93	#DIV/0!
82	\$0.00	82	82	0	0	0	0	\$0.00	\$8.40	82	3	5	74	0	0	\$119.33	82	#DIV/0!	\$119.33	#DIV/0!
83	\$0.00	83	83	0	0	0	0	\$0.00	\$8.40	83	3	5	75	0	0	\$120.73	83	#DIV/0!	\$120.73	#DIV/0!
84	\$0.00	84	84	0	0	0	0	\$0.00	\$8.40	84	3	5	76	0	0	\$122.13	84	#DIV/0!	\$122.13	#DIV/0!
85	\$0.00	85	85	0	0	0	0	\$0.00	\$8.40	85	3	5	77	0	0	\$123.53	85	#DIV/0!	\$123.53	#DIV/0!
86	\$0.00	86	86	0	0	0	0	\$0.00	\$8.40	86	3	5	78	0	0	\$124.93	86	#DIV/0!	\$124.93	#DIV/0!
87	\$0.00	87	87	0	0	0	0	\$0.00	\$8.40	87	3	5	79	0	0	\$126.33	87	#DIV/0!	\$126.33	#DIV/0!
88	\$0.00	88	88	0	0	0	0	\$0.00	\$8.40	88	3	5	80	0	0	\$127.73	88	#DIV/0!	\$127.73	#DIV/0!
89	\$0.00	89	89	0	0	0	0	\$0.00	\$8.40	89	3	5	81	0	0	\$129.13	89	#DIV/0!	\$129.13	#DIV/0!
90	\$0.00	90	90	0	0	0	0	\$0.00	\$8.40	90	3	5	82	0	0	\$130.53	90	#DIV/0!	\$130.53	#DIV/0!
91	\$0.00	91	91	0	0	0	0	\$0.00	\$8.40	91	3	5	83	0	0	\$131.93	91	#DIV/0!	\$131.93	#DIV/0!
92	\$0.00	92	92	0	0	0	0	\$0.00	\$8.40	92	3	5	84	0	0	\$133.33	92	#DIV/0!	\$133.33	#DIV/0!
93	\$0.00	93	93	0	0	0	0	\$0.00	\$8.40	93	3	5	85	0	0	\$134.73	93	#DIV/0!	\$134.73	#DIV/0!
94	\$0.00	94	94	0	0	0	0	\$0.00	\$8.40	94	3	5	86	0	0	\$136.13	94	#DIV/0!	\$136.13	#DIV/0!
95	\$0.00	95	95	0	0	0	0	\$0.00	\$8.40	95	3	5	87	0	0	\$137.53	95	#DIV/0!	\$137.53	#DIV/0!
96	\$0.00	96	96	0	0	0	0	\$0.00	\$8.40	96	3	5	88	0	0	\$138.93	96	#DIV/0!	\$138.93	#DIV/0!
97	\$0.00	97	97	0	0	0	0	\$0.00	\$8.40	97	3	5	89	0	0	\$140.33	97	#DIV/0!	\$140.33	#DIV/0!
98	\$0.00	98	98	0	0	0	0	\$0.00	\$8.40	98	3	5	90	0	0	\$141.73	98	#DIV/0!	\$141.73	#DIV/0!
99	\$0.00	99	99	0	0	0	0	\$0.00	\$8.40	99	3	5	91	0	0	\$143.12	99	#DIV/0!	\$143.12	#DIV/0!
100	\$0.00	100	100	0	0	0	0	\$0.00	\$8.40	100	3	5	92	0	0	\$144.52	100	#DIV/0!	\$144.52	#DIV/0!

1 Iteration													Change in Rev Req	New Rev Req	New Rates		
	Initial Rates	Total	Disc.	New	Old	% Change	Bill Change	% Change	Change in	New	New	New					
		Kgals	Kgals	Bill	Bill	Price	Filter	Quantity	Disc. Kgals	Total Kgals	Disc. Kgals	Fact. Kgals					
BFC	\$8.40																
Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	17,424	0	17,424					
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	29,040	29,040	43,560					
Block 3	\$1.40	38,638	38,638	\$25.06	\$0.00	0.00%	0.00%	0.00%	0	38,638	38,638	77,276					
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0					
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0					
Totals									0	85,102	67,678	138,260	\$0	\$151,557			
													Calculate Rev Req from Res Kgals		\$8.40		
													Revenue from Kgals		\$98,512	\$0.70	
													GS \$/Kgal		\$1.14	\$1.05	
													GS Kgal Rev		\$1,751	\$1.40	
													Revenue from Res Kgals		\$96,761	\$0.00	

2 Iteration													Change in Rev Req	New Rev Req	New Rates		
	Initial Rates	Total	Disc.	New	Old	% Change	Bill Change	% Change	Change in	New	New	New					
		Kgals	Kgals	Bill	Bill	Price	Filter	Quantity	Disc. Kgals	Total Kgals	Disc. Kgals	Fact. Kgals					
BFC	\$8.40																
Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	17,424	0	17,424					
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	29,040	29,040	43,560					
Block 3	\$1.40	38,638	38,638	\$25.06	\$25.06	0.00%	0.00%	0.00%	0	38,638	38,638	77,276					
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0					
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0					
Totals									0	85,102	67,678	138,260	\$0	\$151,557			
													Calculate Rev Req from Res Kgals		\$8.40		
													Revenue from Kgals		\$98,512	\$0.70	
													GS \$/Kgal		\$1.14	\$1.05	
													GS Kgal Rev		\$1,751	\$1.40	
													Revenue from Res Kgals		\$96,761	\$0.00	

3 Iteration													Change in Rev Req	New Rev Req	New Rates		
	Initial Rates	Total	Disc.	New	Old	% Change	Bill Change	% Change	Change in	New	New	New					
		Kgals	Kgals	Bill	Bill	Price	Filter	Quantity	Disc. Kgals	Total Kgals	Disc. Kgals	Fact. Kgals					
BFC	\$8.40																
Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	17,424	0	17,424					
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	29,040	29,040	43,560					
Block 3	\$1.40	38,638	38,638	\$25.06	\$25.06	0.00%	0.00%	0.00%	0	38,638	38,638	77,276					
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0					
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0					
Totals									0	85,102	67,678	138,260	\$0	\$151,557			
													Calculate Rev Req from Res Kgals		\$8.40		
													Revenue from Kgals		\$98,512	\$0.70	
													GS \$/Kgal		\$1.14	\$1.05	
													GS Kgal Rev		\$1,751	\$1.40	
													Revenue from Res Kgals		\$96,761	\$0.00	

4 Iteration													Change in Rev Req	New Rev Req	New Rates		
	Initial Rates	Total	Disc.	New	Old	% Change	Bill Change	% Change	Change in	New	New	New					
		Kgals	Kgals	Bill	Bill	Price	Filter	Quantity	Disc. Kgals	Total Kgals	Disc. Kgals	Fact. Kgals					
BFC	\$8.40																
Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	17,424	0	17,424					
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	29,040	29,040	43,560					
Block 3	\$1.40	38,638	38,638	\$25.06	\$25.06	0.00%	0.00%	0.00%	0	38,638	38,638	77,276					
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0					
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0					
Totals									0	85,102	67,678	138,260	\$0	\$151,557			
													Calculate Rev Req from Res Kgals		\$8.40		
													Revenue from Kgals		\$98,512	\$0.70	
													GS \$/Kgal		\$1.14	\$1.05	
													GS Kgal Rev		\$1,751	\$1.40	
													Revenue from Res Kgals		\$96,761	\$0.00	

5 Iteration													Change in Rev Req	New Rev Req	New Rates		
	Initial Rates	Total	Disc.	New	Old	% Change	Bill Change	% Change	Change in	New	New	New					
		Kgals	Kgals	Bill	Bill	Price	Filter	Quantity	Disc. Kgals	Total Kgals	Disc. Kgals	Fact. Kgals					
BFC	\$8.40																
Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	17,424	0	17,424					
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	29,040	29,040	43,560					
Block 3	\$1.40	38,638	38,638	\$25.06	\$25.06	0.00%	0.00%	0.00%	0	38,638	38,638	77,276					
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0					
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0					
Totals									0	85,102	67,678	138,260	\$0	\$151,557			
													Calculate Rev Req from Res Kgals		\$8.40		
													Revenue from Kgals		\$98,512	\$0.70	
													GS \$/Kgal		\$1.14	\$1.05	
													GS Kgal Rev		\$1,751	\$1.40	
													Revenue from Res Kgals		\$96,761	\$0.00	

6 Iteration													Change in Rev Req	New Rev Req	New Rates		
	Initial Rates	Total	Disc.	New	Old	% Change	Bill Change	% Change	Change in	New	New	New					
		Kgals	Kgals	Bill	Bill	Price	Filter	Quantity	Disc. Kgals	Total Kgals	Disc. Kgals	Fact. Kgals					
BFC	\$8.40																
													Calculate Rev Req from Res Kgals		\$8.40		

Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	17,424	0	17,424										Revenue from Kgals	\$98,512	\$0.70
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	29,040	29,040	43,560										GS \$/Kgal	\$1.14	\$1.05
Block 3	\$1.40	38,638	38,638	\$25.06	\$25.06	0.00%	0.00%	0.00%	0	38,638	38,638	77,276										GS Kgal Rev	\$1,751	\$1.40
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0												\$0.00
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0												\$0.00
Totals												0	85,102	67,678	138,260	\$0	\$151,557	Revenue from Res Kgals	\$96,761					

7 Iteration

Initial Rates	Total Kgals	Disc. Kgals	New Bill	Old Bill	% Change Price	Bill Change Filter	% Change Quantity	Change in Disc. Kgals	New Total Kgals	New Disc. Kgals	New Fact. Kgals	Change in Rev Req	New Rev Req	New Rates						
BFC	\$8.40													\$8.40						
Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0	17,424	0	17,424			\$0.70						
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0	29,040	29,040	43,560			\$1.05						
Block 3	\$1.40	38,638	38,638	\$25.06	\$25.06	0.00%	0.00%	0	38,638	38,638	77,276			\$1.40						
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0	0	0	0			\$0.00						
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0	0	0	0			\$0.00						
Totals												0	85,102	67,678	138,260	\$0	\$151,557	Revenue from Res Kgals	\$96,761	

8 Iteration

Initial Rates	Total Kgals	Disc. Kgals	New Bill	Old Bill	% Change Price	Bill Change Filter	% Change Quantity	Change in Disc. Kgals	New Total Kgals	New Disc. Kgals	New Fact. Kgals	Change in Rev Req	New Rev Req	New Rates						
BFC	\$8.40													\$8.40						
Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0	17,424	0	17,424			\$0.70						
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0	29,040	29,040	43,560			\$1.05						
Block 3	\$1.40	38,638	38,638	\$25.06	\$25.06	0.00%	0.00%	0	38,638	38,638	77,276			\$1.40						
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0	0	0	0			\$0.00						
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0	0	0	0			\$0.00						
Totals												0	85,102	67,678	138,260	\$0	\$151,557	Revenue from Res Kgals	\$96,761	

9 Iteration

Initial Rates	Total Kgals	Disc. Kgals	New Bill	Old Bill	% Change Price	Bill Change Filter	% Change Quantity	Change in Disc. Kgals	New Total Kgals	New Disc. Kgals	New Fact. Kgals	Change in Rev Req	New Rev Req	New Rates						
BFC	\$8.40													\$8.40						
Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0	17,424	0	17,424			\$0.70						
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0	29,040	29,040	43,560			\$1.05						
Block 3	\$1.40	38,638	38,638	\$25.06	\$25.06	0.00%	0.00%	0	38,638	38,638	77,276			\$1.40						
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0	0	0	0			\$0.00						
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0	0	0	0			\$0.00						
Totals												0	85,102	67,678	138,260	\$0	\$151,557	Revenue from Res Kgals	\$96,761	

10 Iteration

Initial Rates	Total Kgals	Disc. Kgals	New Bill	Old Bill	% Change Price	Bill Change Filter	% Change Quantity	Change in Disc. Kgals	New Total Kgals	New Disc. Kgals	New Fact. Kgals	Change in Rev Req	New Rev Req	New Rates						
BFC	\$8.40													\$8.40						
Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0	17,424	0	17,424			\$0.70						
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0	29,040	29,040	43,560			\$1.05						
Block 3	\$1.40	38,638	38,638	\$25.06	\$25.06	0.00%	0.00%	0	38,638	38,638	77,276			\$1.40						
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0	0	0	0			\$0.00						
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0	0	0	0			\$0.00						
Totals												0	85,102	67,678	138,260	\$0	\$151,557	Revenue from Res Kgals	\$96,761	

11 Iteration

Initial Rates	Total Kgals	Disc. Kgals	New Bill	Old Bill	% Change Price	Bill Change Filter	% Change Quantity	Change in Disc. Kgals	New Total Kgals	New Disc. Kgals	New Fact. Kgals	Change in Rev Req	New Rev Req	New Rates
BFC	\$8.40													\$8.40
Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0	17,424	0	17,424			\$0.70
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0	29,040	29,040	43,560			\$1.05
Block 3	\$1.40	38,638	38,638	\$25.06	\$25.06	0.00%	0.00%	0	38,638	38,638	77,276			\$1.40
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0	0	0	0			\$0.00
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0	0	0	0			\$0.00

Totals	0	85,102	67,678	138,260	\$0	\$151,557	Revenue from Res Kgals	\$96,761
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12 Iteration

	Initial Rates	Total Kgals	Disc. Kgals	New Bill	Old Bill	% Change Price	Bill Change Filter	% Change Quantity	Change in Disc. Kgals	New Total Kgals	New Disc. Kgals	New Fact. Kgals	Change in Rev Req	New Rev Req	New Rates
BFC	\$8.40														\$8.40
Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	17,424	0	17,424			\$0.70
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	29,040	29,040	43,560			\$1.05
Block 3	\$1.40	38,638	38,638	\$25.06	\$25.06	0.00%	0.00%	0.00%	0	38,638	38,638	77,276			\$1.40
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0			\$0.00
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0			\$0.00
Totals									0	85,102	67,678	138,260	\$0	\$151,557	

Calculate Rev Req from Res Kgals	
Revenue from Kgals	\$98,512
GS \$/Kgal	\$1.14
GS Kgal Rev	\$1,751
Revenue from Res Kgals	\$96,761

13 Iteration

	Initial Rates	Total Kgals	Disc. Kgals	New Bill	Old Bill	% Change Price	Bill Change Filter	% Change Quantity	Change in Disc. Kgals	New Total Kgals	New Disc. Kgals	New Fact. Kgals	Change in Rev Req	New Rev Req	New Rates
BFC	\$8.40														\$8.40
Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	17,424	0	17,424			\$0.70
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	29,040	29,040	43,560			\$1.05
Block 3	\$1.40	38,638	38,638	\$25.06	\$25.06	0.00%	0.00%	0.00%	0	38,638	38,638	77,276			\$1.40
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0			\$0.00
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0			\$0.00
Totals									0	85,102	67,678	138,260	\$0	\$151,557	

Calculate Rev Req from Res Kgals	
Revenue from Kgals	\$98,512
GS \$/Kgal	\$1.14
GS Kgal Rev	\$1,751
Revenue from Res Kgals	\$96,761

14 Iteration

	Initial Rates	Total Kgals	Disc. Kgals	New Bill	Old Bill	% Change Price	Bill Change Filter	% Change Quantity	Change in Disc. Kgals	New Total Kgals	New Disc. Kgals	New Fact. Kgals	Change in Rev Req	New Rev Req	New Rates
BFC	\$8.40														\$8.40
Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	17,424	0	17,424			\$0.70
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	29,040	29,040	43,560			\$1.05
Block 3	\$1.40	38,638	38,638	\$25.06	\$25.06	0.00%	0.00%	0.00%	0	38,638	38,638	77,276			\$1.40
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0			\$0.00
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0			\$0.00
Totals									0	85,102	67,678	138,260	\$0	\$151,557	

Calculate Rev Req from Res Kgals	
Revenue from Kgals	\$98,512
GS \$/Kgal	\$1.14
GS Kgal Rev	\$1,751
Revenue from Res Kgals	\$96,761

15 Iteration

	Initial Rates	Total Kgals	Disc. Kgals	New Bill	Old Bill	% Change Price	Bill Change Filter	% Change Quantity	Change in Disc. Kgals	New Total Kgals	New Disc. Kgals	New Fact. Kgals	Change in Rev Req	New Rev Req	New Rates
BFC	\$8.40														\$8.40
Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	17,424	0	17,424			\$0.70
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	29,040	29,040	43,560			\$1.05
Block 3	\$1.40	38,638	38,638	\$25.06	\$25.06	0.00%	0.00%	0.00%	0	38,638	38,638	77,276			\$1.40
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0			\$0.00
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0			\$0.00
Totals									0	85,102	67,678	138,260	\$0	\$151,557	

Calculate Rev Req from Res Kgals	
Revenue from Kgals	\$98,512
GS \$/Kgal	\$1.14
GS Kgal Rev	\$1,751
Revenue from Res Kgals	\$96,761

16 Iteration

	Initial Rates	Total Kgals	Disc. Kgals	New Bill	Old Bill	% Change Price	Bill Change Filter	% Change Quantity	Change in Disc. Kgals	New Total Kgals	New Disc. Kgals	New Fact. Kgals	Change in Rev Req	New Rev Req	New Rates
BFC	\$8.40														\$8.40
Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	17,424	0	17,424			\$0.70
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	29,040	29,040	43,560			\$1.05
Block 3	\$1.40	38,638	38,638	\$25.06	\$25.06	0.00%	0.00%	0.00%	0	38,638	38,638	77,276			\$1.40
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0			\$0.00
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0			\$0.00
Totals									0	85,102	67,678	138,260	\$0	\$151,557	

Calculate Rev Req from Res Kgals	
Revenue from Kgals	\$98,512
GS \$/Kgal	\$1.14
GS Kgal Rev	\$1,751
Revenue from Res Kgals	\$96,761

17 Iteration

	Initial Rates	Total	Disc.	New	Old	% Change	Bill Change	% Change	Change in	New	New	New	Change in	New		New	
		Kgals	Kgals	Bill	Bill	Price	Filter	Quantity	Disc. Kgals	Total Kgals	Disc. Kgals	Fact. Kgals	Rev Req	Rev Req		Rates	
BFC	\$8.40																
Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	17,424	0	17,424			Calculate Rev Req from Res Kgals	\$8.40	
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	29,040	29,040	43,560			Revenue from Kgals	\$98.512	
Block 3	\$1.40	38,638	38,638	\$25.06	\$25.06	0.00%	0.00%	0.00%	0	38,638	38,638	77,276			GS \$/Kgal	\$1.14	
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0			GS Kgal Rev	\$1,751	
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0			Revenue from Res Kgals	\$96,761	
									Totals	0	85,102	67,678	138,260	\$0	\$151,557		

18 Iteration

	Initial Rates	Total	Disc.	New	Old	% Change	Bill Change	% Change	Change in	New	New	New	Change in	New		New	
		Kgals	Kgals	Bill	Bill	Price	Filter	Quantity	Disc. Kgals	Total Kgals	Disc. Kgals	Fact. Kgals	Rev Req	Rev Req		Rates	
BFC	\$8.40																
Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	17,424	0	17,424			Calculate Rev Req from Res Kgals	\$8.40	
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	29,040	29,040	43,560			Revenue from Kgals	\$98,512	
Block 3	\$1.40	38,638	38,638	\$25.06	\$25.06	0.00%	0.00%	0.00%	0	38,638	38,638	77,276			GS \$/Kgal	\$1.14	
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0			GS Kgal Rev	\$1,751	
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0			Revenue from Res Kgals	\$96,761	
									Totals	0	85,102	67,678	138,260	\$0	\$151,557		

19 Iteration

	Initial Rates	Total	Disc.	New	Old	% Change	Bill Change	% Change	Change in	New	New	New	Change in	New		New	
		Kgals	Kgals	Bill	Bill	Price	Filter	Quantity	Disc. Kgals	Total Kgals	Disc. Kgals	Fact. Kgals	Rev Req	Rev Req		Rates	
BFC	\$8.40																
Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	17,424	0	17,424			Calculate Rev Req from Res Kgals	\$8.40	
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	29,040	29,040	43,560			Revenue from Kgals	\$98,512	
Block 3	\$1.40	38,638	38,638	\$25.06	\$25.06	0.00%	0.00%	0.00%	0	38,638	38,638	77,276			GS \$/Kgal	\$1.14	
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0			GS Kgal Rev	\$1,751	
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0			Revenue from Res Kgals	\$96,761	
									Totals	0	85,102	67,678	138,260	\$0	\$151,557		

20 Iteration

	Initial Rates	Total	Disc.	New	Old	% Change	Bill Change	% Change	Change in	New	New	New	Change in	New		New	
		Kgals	Kgals	Bill	Bill	Price	Filter	Quantity	Disc. Kgals	Total Kgals	Disc. Kgals	Fact. Kgals	Rev Req	Rev Req		Rates	
BFC	\$8.40																
Block 1	\$0.70	17,424	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	17,424	0	17,424			Calculate Rev Req from Res Kgals	\$8.40	
Block 2	\$1.05	29,040	29,040	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	29,040	29,040	43,560			Revenue from Kgals	\$98,512	
Block 3	\$1.40	38,638	38,638	\$25.06	\$25.06	0.00%	0.00%	0.00%	0	38,638	38,638	77,276			GS \$/Kgal	\$1.14	
Block 4	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0			GS Kgal Rev	\$1,751	
Block 5	\$0.00	0	0	\$0.00	\$0.00	0.00%	0.00%	0.00%	0	0	0	0			Revenue from Res Kgals	\$96,761	
									Totals	0	85,102	67,678	138,260	\$0	\$151,557		

Company: Sunlake Estates

Docket: 04307-13

Analyst: 0

Date: 1/0/1900

Number of RS KGals 85,102

Number of RS Bills 5,808

Average Usage 14.653

Discretionary Usage Threshold 3,000

Non-discretionary KGals 17,424

Discretionary KGals 67,678

Residential Billing Analysis

Gallons		Bills	Cumulative	Kgals	Cumulative	Reversed	Consol	%Cum	%Consol	Disc. Usage
Lower	Upper	Used	Bills	Used	Kgals	Bills	Factor	Bills	Factor	Cons. Factor
0	0		0		0	5,808	0	0%	0%	0
0	1,000		0		0	5,808	5,808	0%	7%	0
1,001	2,000		0		0	5,808	11,616	0%	14%	0
2,001	3,000		0		0	5,808	17,424	0%	20%	0
3,001	4,000		0		0	5,808	23,232	0%	27%	5,808
4,001	5,000		0		0	5,808	29,040	0%	34%	11,616
5,001	6,000		0		0	5,808	34,848	0%	41%	17,424
6,001	7,000		0		0	5,808	40,656	0%	48%	23,232
7,001	8,000		0		0	5,808	46,464	0%	55%	29,040
8,001	9,000		0		0	5,808	52,272	0%	61%	34,848
9,001	10,000		0		0	5,808	58,080	0%	68%	40,656
10,001	11,000		0		0	5,808	63,888	0%	75%	46,464
11,001	12,000		0		0	5,808	69,696	0%	82%	52,272
12,001	13,000	4,356	4,356	56,192	56,192	1,452	75,068	75%	88%	57,644
13,001	14,000	871	5,227	12,110	68,302	581	76,433	90%	90%	59,009
14,001	15,000	581	5,808	8,654	76,956	0	76,956	100%	90%	59,532
15,001	16,000		5,808		76,956	0	76,956	100%	90%	59,532
16,001	17,000		5,808		76,956	0	76,956	100%	90%	59,532
17,001	18,000		5,808		76,956	0	76,956	100%	90%	59,532
18,001	19,000		5,808		76,956	0	76,956	100%	90%	59,532
19,001	20,000		5,808		76,956	0	76,956	100%	90%	59,532
20,001	21,000		5,808		76,956	0	76,956	100%	90%	59,532
21,001	22,000		5,808		76,956	0	76,956	100%	90%	59,532
22,001	23,000		5,808		76,956	0	76,956	100%	90%	59,532
23,001	24,000		5,808		76,956	0	76,956	100%	90%	59,532
24,001	25,000		5,808		76,956	0	76,956	100%	90%	59,532
25,001	26,000		5,808		76,956	0	76,956	100%	90%	59,532
26,001	27,000		5,808		76,956	0	76,956	100%	90%	59,532
27,001	28,000		5,808		76,956	0	76,956	100%	90%	59,532
28,001	29,000		5,808		76,956	0	76,956	100%	90%	59,532
29,001	30,000		5,808		76,956	0	76,956	100%	90%	59,532
30,001	31,000		5,808		76,956	0	76,956	100%	90%	59,532
31,001	32,000		5,808		76,956	0	76,956	100%	90%	59,532
32,001	33,000		5,808		76,956	0	76,956	100%	90%	59,532
33,001	34,000		5,808		76,956	0	76,956	100%	90%	59,532
34,001	35,000		5,808		76,956	0	76,956	100%	90%	59,532
35,001	36,000		5,808		76,956	0	76,956	100%	90%	59,532
36,001	37,000		5,808		76,956	0	76,956	100%	90%	59,532
37,001	38,000		5,808		76,956	0	76,956	100%	90%	59,532
38,001	39,000		5,808		76,956	0	76,956	100%	90%	59,532
39,001	40,000		5,808		76,956	0	76,956	100%	90%	59,532
40,001	41,000		5,808		76,956	0	76,956	100%	90%	59,532
41,001	42,000		5,808		76,956	0	76,956	100%	90%	59,532
42,001	43,000		5,808		76,956	0	76,956	100%	90%	59,532
43,001	44,000		5,808		76,956	0	76,956	100%	90%	59,532
44,001	45,000		5,808		76,956	0	76,956	100%	90%	59,532
45,001	46,000		5,808		76,956	0	76,956	100%	90%	59,532
46,001	47,000		5,808		76,956	0	76,956	100%	90%	59,532
47,001	48,000		5,808		76,956	0	76,956	100%	90%	59,532
48,001	49,000		5,808		76,956	0	76,956	100%	90%	59,532
49,001	50,000		5,808		76,956	0	76,956	100%	90%	59,532
50,001	51,000		5,808		76,956	0	76,956	100%	90%	59,532
51,001	52,000		5,808		76,956	0	76,956	100%	90%	59,532

