		Ful	l Depreciation		Depreciation
Model parameters	% to Recapture		(Budget)		Recapture
Water Depreciation	40%	\$	180,000	=	\$ 72,000
Sewer Depreciation	40%	\$	290,000	=	\$ 116,000
Total Depreciation		\$	470,000	Total Recapture	\$ 188,000
				Not Recovered	\$ (282,000)
Cost Distribution	Base/Fixed	С	ommodity	_	
Water O&M	35%		65.0%	812.5	MEU
Sewer O&M	35%		65.0%	985.5	MEU
Sewer Debt	100%	-	0%		

Cost Distribution		Water	Sewer	Total
Operations and	Maintenance	\$261,843	\$449,928	\$711,77
•	Capital Assets	\$0	\$0	Ś
Depreciat	ion Recapture	\$72,000	\$116,000	\$188,00
Tot	al O&M Costs	\$333,843	\$565,928	\$899,77
	Debt Service	\$0	\$156,409	\$156,40
Total O&M C	osts and Debt	\$ 333,843	\$ 722,337	\$1,056,18
Rate Breakdown	Cost	MEU/Usage	Rate	Per billing cycle
Fixed Base O&M Costs		-		
Water Fixed Cost	\$116,845	812.5	\$143.81	\$35.9
Sewer Fixed Cost	\$198,075	985.5	\$200.99	\$50.
	\$314,920			
Debt Service				
Water Debt Service	\$0	812.5	\$0.00	\$0.0
Sewer Debt Service	\$156,409	985.5	\$158.71	\$39.
_	\$156,409			
Commodity				
Water Commodity	\$216,998	45,914	\$4.73	
Sewer Commodity	\$367,853	52,748	\$6.97	
_	\$584,851			
 Total All Revenue	\$1,056,180			

40% Depreciation Recapture (040A)

Base/Commodity: 35/65%

		Model	Current	Billing Cycle Change
Base Rates	Units/MEU	Rate	Rate	\$
Water Base Rate	812.5	\$35.95	\$31.80	\$4.15
Sewer Base Rate	985.5	\$50.25	\$50.43	-\$0.18
Commodity Rates	_			_
Water Commodity	45,914	\$4.73	\$4.24	\$0.49
Sewer Commodity	52,748	\$6.97	\$7.14	-\$0.17
Sewer Debt Service		\$39.68	\$38.72	\$0.96
Flat Rate Sewer		\$139.40	\$142.80	-\$3.40

Annual Revenu	е				
	MEUs/Units	Modeled \$		Current \$	Difference
Water					_
Water Base Rate	812.5	\$116,838	3	\$103,350	\$13,48
Water Commodity	45,914	\$217,17	3	\$194,676	\$22,49
	Water	\$334,01	1	\$298,026	\$35,98
Sewer					
Sewer Base Rate	985.5	\$198,086	5	\$198,795	-\$71
Sewer Debt Service	985.5	\$156,419	9	\$152,624	\$3,79
Sewer Commodity	52,748	\$367,656	5	\$376,623	-\$8,96
	Sewer	\$722,160)	\$728,043	-\$5,88
	Total	\$1,056,17	1	\$1,026,068	\$30,10
	Γ	Annual I	Vlode	led	
REVENUE CHECKPOINTS	MEU/Units	Rate		Revenue	Revenue Required
Water RTS (O&M)	812.5	\$143.81	\$	116,846	
Sewer RTS (O&M)	985.5	\$200.99	\$	198,076	
Sewer Debt	985.5	\$158.71	\$	156,409	
Water Commodity	45,914	\$4.73	\$	217,173	
Sewer Commodity	52,748	\$6.97	\$	367,656	ОК
			\$	1,056,160	\$1,056,180

^{*} RTS = READY TO SERVE = CAPACITY = OPERATIONS & MAINTENANCE

^{*} SEWER DEBT = INTEREST + PRINCIPAL

^{*} COMMODITY = USAGE BASED CHARGE (\$ RATE * UNITS SOLD)

Model parameters	% to Recapture	Full Depreciation (Budget)		C	Depreciation Recapture
Water Depreciation	40%	\$ 180,000	=	\$	72,000
Sewer Depreciation	40%	\$ 290,000	=	\$	116,000
Total Depreciation		\$ 470,000	Total Recapture	\$	188,000
			Not Recovered	\$	(282,000)
Cost Distribution	Base/Fixed	Commodity			
Water O&M	35%	65.0%	812.5		MEU
Sewer O&M	35%	65.0%	985.5		MEU
Sewer Debt	100%	0%			

Water Model -	0&M @	35% Fixed	l C	harge and 65	% C	ommodity/U	sa	ge based
Cost Distribution				Total Costs		Fixed		Commodity
						35%		65%
Opera	ions and N	1aintenance	\$	261,843	\$	91,645	\$	170,198
	Minor Ca	pital Assets	\$	-	\$	-	\$	-
Depreciation Recapture		\$	72,000	\$	25,200	\$	46,800	
Fixed Base O&M Costs		\$	333,843	\$	116,845	\$	216,998	
	Deb	t Service	\$	-	\$	-	\$	-
	Total	Water Costs	\$	333,843	\$	116,845	\$	216,998
					Ann	ual Rate or Unit		
Rate Breakdown		Cost		MEU/Usage		Rate	P	er billing cycle
Fixed Base O&M Costs	\$	116,845		812.5	\$	143.81	\$	35.95
Debt Service	\$	-		812.5	\$	-	\$	-
Commodity	\$	216,998		45,914	\$	4.73		usage based
	\$	333,843						

Sewer Model - O&M @ 35% Fixed Charge and 65% Commodity/Usage based							
Cost Distribution	Total Costs	Fixed	Commodity				
		35%	65%				
Operations and Maintenance	\$449,928	\$157,475	\$ 292,453				
Minor Capital Assets	\$0	\$0	\$ -				
Depreciation Recapture	\$116,000	\$40,600	\$ 75,400				
Fixed Base O&M Costs	\$565,928	\$198,075	\$ 367,853				
Debt Service	\$156,409	\$156,409	\$ -				
Total Sewer Costs	\$ 722,337 \$	354,484	\$ 367,853				

40% Depreciation Recapture (040A)

Base/Commodity: 35/65%

		Model	Current	Billing Cycle Change
Base Rates	Units/MEU	Rate	Rate	\$
Water Base Rate	812.5	\$35.95	\$31.80	\$4.15
Sewer Base Rate	985.5	\$50.25	\$50.43	-\$0.18
Commodity Rates	_			
Water Commodity	- 45,914	\$4.73	\$4.24	\$0.49
Sewer Commodity	52,748	\$6.97	\$7.14	-\$0.17
Sewer Debt Service		\$39.68	\$38.72	\$0.96
Flat Rate Sewer		\$139.40	\$142.80	-\$3.40

Billing Cycle Revenue								
Water	MEU/Units	Modeled Rates	Current Rates	Revenue Diff				
Water Base Rate	812.5	\$29,209	\$25,838	\$3,372				
Water Commodity	11,479	\$54,293	\$48,669	\$5,624				
_	•	\$83,503	\$74,506	\$8,996				
Sewer								
Sewer Base Rate	985.5	\$49,521	\$49,699	-\$177				
Sewer Debt Service	985.5	\$39,105	\$38,156	\$949				
Sewer Commodity	13,187	\$91,914	\$94,156	-\$2,242				
		\$180,540	\$182,011	-\$1,471				
Total Water and Sewe * Average of Usage = 25% of fore	=	\$264,043	\$256,517	\$7,526				

Annual Revenue				
	MEUs/Units	Modeled \$	Current \$	Difference
Water				
Water Base Rate	812.5	\$116,838	\$103,350	\$13,488
Water Commodity	45,914	\$217,173	\$194,676	\$22,498
	_	\$334,011	\$298,026	\$35,985
Sewer				
Sewer Base Rate	985.5	\$198,086	\$198,795	-\$710
Sewer Debt Service	985.5	\$156,419	\$152,624	\$3,794

		Full Depreciation			Depreciation
Model parameters	% to Recapture	(Budget)			Recapture
Water Depreciation	40%	\$ 180,000	=	\$	72,000
Sewer Depreciation	40%	\$ 290,000	=	\$	116,000
Total Depreciation		\$ 470,000	Total Recapture	\$	188,000
	,		Not Recovered	\$	(282,000)
Cost Distribution	Base/Fixed	Commodity	_		
Water O&M	35%	65.0%	812.5		MEU
Sewer O&M	35%	65.0%	985.5		MEU
Sewer Debt	100%	0%			
Rate Breakdown	Cost	MEU/Usage	Rate	Pe	er billing cycle
Fixed Base O&M Costs	\$198,075	985.5	\$200.99	\$	50.25
Debt Service	\$156,409	985.5	\$158.71	\$	39.68
Commodity	\$367,853 \$722,337	52,748	\$6.97	•	usage based

40% Depreciation Recapture (040A)

Base/Commodity: 35/65%

		Model	Current	Billing Cycle Change
Base Rates	Units/MEU	Rate	Rate	\$
Water Base Rate	812.5	\$35.95	\$31.80	\$4.15
Sewer Base Rate	985.5	\$50.25	\$50.43	-\$0.18
Commodity Rates				
Water Commodity	- 45,914	\$4.73	\$4.24	\$0.49
Sewer Commodity	52,748	\$6.97	\$7.14	-\$0.17
Sewer Debt Service		\$39.68	\$38.72	\$0.96
Flat Rate Sewer		\$139.40	\$142.80	-\$3.40
Sewer Commodity	52,748	\$367,656	\$376,623	-\$8,967
	_	\$722,160	\$728,043	-\$5,883
	Total	\$1,056,171	\$1,026,068	\$30,103
	_			

40% Depreciation Recapture (040A)

Base/Commodity: 35/65%

Model parameters	% to Recapture	Full Depreciation (Budget)		Depreciation Recapture		
Water Depreciation	40%	\$ 180,000	=	\$ 72,000		
Sewer Depreciation	40%	\$ 290,000	_ =	\$ 116,000		
Total Depreciation		\$ 470,000	Total Recapture	\$ 188,000		
			Not Recovered	\$ (282,000)		
Cost Distribution	Base/Fixed	Commodity	_			
Water O&M	35%	65.0%	812.5	MEU		
Sewer O&M	35%	65.0%	985.5	MEU		
Sewer Debt	100%	0%				

Base Rates	Units/MEU	Model Rate	Current Rate	Billing Cycle Change \$
Water Base Rate	812.5	\$35.95	\$31.80	\$4.15
Sewer Base Rate	985.5	\$50.25	\$50.43	-\$0.18
Commodity Rates				
Water Commodity		\$4.73	\$4.24	\$0.49
Sewer Commodity	52,748	\$6.97	\$7.14	-\$0.17
Sewer Debt Service		\$39.68	\$38.72	\$0.96
Flat Rate Sewer		\$139.40	\$142.80	-\$3.40

PER QUARTERLY BILLING CYCLE

3/4" Water/Sewer Customer

40% Depreciation Recapture (040A) Base/Commodity: 35/65%

Meter Size Water Units Sprinkler/Irrigation Sewer Only?

EXAMPLE

0.75 12,750

1.00 AWWA MEU

12,750

0 (Gallons)

Sewer Only:		NO									
	Example New Bill Modeled Rates						Using Currer	nt Rates	Change		
	Mo	del Rate	Units/Qty	New Bill	Current Rate		Units/Qty	Current Bill	\$ Change	Monthly	Annual
Water Charges											
Water RTS (O&M)	\$	35.95	1.0	\$35.95	\$	31.80	1.0	\$31.80	\$4.15	\$1.38	\$16.60
Water Commodity	\$	4.73	12,750	\$60.31	\$	4.24	12,750	\$54.06	\$6.25	\$2.08	\$24.99
Sewer Charges (Metered)											
Sewer RTS (O&M)	\$	50.25	1.0	\$50.25	\$	50.43	1	\$50.43	-\$0.18	-\$0.06	-\$0.72
Sewer Debt	\$	39.68	1.0	\$39.68	\$	38.72	1	\$38.72	\$0.96	\$0.32	\$3.85
Sewer Commodity	\$	6.97	12,750	\$88.87	\$	7.14	12,750	\$91.04	-\$2.17	-\$0.72	-\$8.67
	Total			\$275.06				\$266.04	\$9.01	\$3.00	\$36.05

3" Water/Sewer Customer

Meter Size Water Units Sprinkler/Irrigation **Sewer Only?**

3.00 700,000 **60,000** (Gallons)

17.50 AWWA MEU

700,000

, -													
	E	kample New Bill Mode	led Rates			Using Curre	nt Rates	Change					
	Model Rate	Units/Qty	New Bill	Cı	urrent Rate	Units/Qty	Current Bill	\$ Change	Monthly	Annual			
Water Charges													
Water RTS (O&M)	\$ 35.9	5 17.5	\$629.13	\$	556.50	1.0	\$556.50	\$72.63	\$24.21	\$290.50			
Water Commodity	\$ 4.7	700,000	\$3,311.00	\$	4.24	700,000	\$2,968.00	\$343.00	\$114.33	\$1,372.00			

40% Depreciation Recapture (040A)

Base/Commodity: 35/65%

		Full Depreciation		Depreciation						_
Model parameters	% to Recapture	(Budget)		Recapture				Model	Current	Billing Cycle Change
Water Depreciation	40%	\$ 180,000	=	\$ 72,000		Base Rates	Units/MEU	Rate	Rate	\$
Sewer Depreciation	40%	\$ 290,000	=	\$ 116,000		Water Base Rate	812.5	\$35.95	\$31.80	\$4.15
Total Depreciation		\$ 470,000	Total Recapture	\$ 188,000		Sewer Base Rate	985.5	\$50.25	\$50.43	-\$0.18
			Not Recovered	\$ (282,000)		Commodity Rates				
Cost Distribution	Base/Fixed	Commodity				Water Commodity	- 45,914	\$4.73	\$4.24	\$0.49
Water O&M	35%	65.0%	812.5	MEU		Sewer Commodity	52,748	\$6.97	\$7.14	-\$0.17
Sewer O&M	35%	65.0%	985.5	MEU		Sewer Debt Service		\$39.68	\$38.72	\$0.96
Sewer Debt	100%	0%				Flat Rate Sewer		\$139.40	\$142.80	-\$3.40
Irrigation Commodity	\$ 4.73	60,000	\$283.80	\$ 4.24	60,000	\$254.40	\$29.40	\$9.80	\$58.80	
Sewer Charges (Metered)										
Sewer RTS (O&M)	\$ 50.25	17.5	\$879.38	\$ 882.53	1	\$882.53	-\$3.15	-\$1.05	-\$6.30	
Sewer Debt	\$ 39.68	17.5	\$694.40	\$ 677.56	1	\$677.56	\$16.84	\$5.61	\$33.69	
Sewer Commodity	\$ 6.97	700,000	\$4,879.00	\$ 7.14	700,000	\$4,998.00	-\$119.00	-\$39.67	-\$238.00	
	Total	•	\$10,676.70	•	•	\$10,336.98	\$339.72	\$113.24	\$1,510.69	-

Flat Rate Sewer Customer

Meter Size Sewer Units Sprinkler/Irrigation Sewer Only?	0.75 1.00 AWWA MEU 20,000 20000 (Units X MEU - change UNITS to change example) (Gallons)												
		Example N	New Bill Modeled	Rates	Using Current Rates					Change			
	Model	Rate (Units/Qty	New Bill	Currer	nt Rate	Units/Qty	Current Bill		\$ Change	Monthly	Annual	
Water Charges													
Sewer Charges									ĺ				
Sewer RTS (O&M)	\$	50.25	1.0	\$50.25	\$	32.75	1.0		\$32.75	\$17.50	\$5.83	\$69.96	
Sewer Debt	\$	39.68	1.0	\$39.68	\$	-	1.0		\$0.00	\$39.68	\$13.23	\$158.76	
Sewer Commodity	\$	6.97	20,000	\$139.40	\$	7.14	20,000		\$142.80	-\$3.40	-\$1.13	-\$13.56	
	Total			\$229.33					\$175.55	\$53.78	\$17.93	\$215.16	