

**RESERVE ANALYSIS STUDY**

**Woodlands MWC-Waste Water**  
Nipomo, California  
Account 10305 - Version 305  
April 10, 2014

Report Prepared By

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**Woodlands MWC-Waste Water**  
 Nipomo, California  
Reserve Analysis Report Summary

<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Report Date</td> <td style="width: 70%;">April 10, 2014</td> </tr> <tr> <td>Version</td> <td>305</td> </tr> <tr> <td>Account Number</td> <td>10305</td> </tr> <tr> <td>Budget Year Beginning</td> <td>1/ 1/14</td> </tr> <tr> <td style="padding-left: 20px;">Ending</td> <td>12/31/14</td> </tr> <tr> <td>Total Units Included</td> <td>0</td> </tr> <tr> <td>Phase Development</td> <td>1 of 1</td> </tr> </table>	Report Date	April 10, 2014	Version	305	Account Number	10305	Budget Year Beginning	1/ 1/14	Ending	12/31/14	Total Units Included	0	Phase Development	1 of 1	<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Parameters:</td> </tr> <tr> <td style="width: 70%;">Inflation</td> <td style="width: 30%;">2.00%</td> </tr> <tr> <td>Annual Contribution Increase</td> <td>2.00%</td> </tr> <tr> <td>Investment Yield</td> <td>1.00%</td> </tr> <tr> <td>Taxes on Yield</td> <td>10.00%</td> </tr> <tr> <td>Contingency</td> <td>3.00%</td> </tr> <tr> <td colspan="2">Reserve Fund Balance as of</td> </tr> <tr> <td>1/ 1/14:</td> <td>\$125,000.00</td> </tr> </table>	Parameters:		Inflation	2.00%	Annual Contribution Increase	2.00%	Investment Yield	1.00%	Taxes on Yield	10.00%	Contingency	3.00%	Reserve Fund Balance as of		1/ 1/14:	\$125,000.00
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Phase Increment Detail/Age

The Woodlands Mutual Water Company has two major systems--Water and Wastewater systems. This study is limited to equipment and systems with a value greater than \$15,000. Expenditures under \$15,000 are paid for with Operating & Maintenance funds. Estimated costs and useful life data was provided by The Wallace Group.

This study addresses the Waste Water system only. Water system components are contained in another study.

Cash Flow Minimum Summary of Calculations

Monthly Contribution to Reserves Required:	\$11,992.67
Average Net Monthly Interest Contribution This Year:	143.73
Net Monthly Allocation to Reserves 1/ 1/14 to 12/31/14:	\$12,136.40

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**Woodlands MWC-Waste Water**  
Cash Flow Minimum Projections

REPORT DATE: April 10, 2014  
 VERSION: 305  
 ACCOUNT NUMBER: 10305

Beginning Accumulated Reserves: \$125,000

YEAR	CURRENT REPLACEMENT COST	ANNUAL CONTRBTN	ANNUAL INTEREST CONTRBTN	ANNUAL EXPENDTRS	PROJECTED ENDING RESERVES	IDEAL ENDING RESERVES	PERCENT IDEALLY FUNDED
'14	3,761,221	143,912	1,725	0	270,637	1,220,155	22%
'15	3,836,445	146,790	2,794	28,611	391,610	1,344,236	29%
'16	3,913,174	149,726	4,158	0	545,495	1,503,451	36%
'17	3,991,438	152,721	5,561	0	703,777	1,668,498	42%
'18	4,071,267	155,775	7,004	0	866,556	1,839,545	47%
'19	4,152,692	158,891	8,488	0	1,033,935	2,016,767	51%
'20	4,235,746	162,068	6,823	353,101	849,725	1,828,666	46%
'21	4,320,461	165,310	8,363	0	1,023,397	2,010,623	51%
'22	4,406,870	168,616	9,946	0	1,201,959	2,199,127	55%
'23	4,495,007	171,988	11,574	0	1,385,521	2,394,366	58%
'24	4,584,907	175,428	13,247	0	1,574,196	2,596,535	61%
'25	4,676,606	178,937	1,644	1,474,194	280,581	1,255,436	22%
'26	4,770,138	182,515	3,290	0	466,387	1,439,419	32%
'27	4,865,540	186,166	4,985	0	657,537	1,630,259	40%
'28	4,962,851	189,889	6,728	0	854,154	1,828,157	47%
'29	5,062,108	193,687	8,520	0	1,056,361	2,033,319	52%
'30	5,163,350	197,560	10,364	0	1,264,285	2,245,955	56%
'31	5,266,617	201,512	12,259	0	1,478,055	2,466,284	60%
'32	5,371,950	205,542	14,207	0	1,697,804	2,694,528	63%
'33	5,479,389	209,653	16,210	0	1,923,668	2,930,915	66%
'34	5,588,977	213,846	18,269	0	2,155,782	3,175,680	68%
'35	5,700,756	218,123	15,705	517,743	1,871,868	2,885,122	65%
'36	5,814,771	222,485	17,837	0	2,112,189	3,136,491	67%
'37	5,931,067	226,935	20,027	0	2,359,151	3,396,761	69%
'38	6,049,688	231,473	22,277	0	2,612,902	3,666,187	71%
'39	6,170,682	236,103	24,590	0	2,873,594	3,945,032	73%
'40	6,294,095	240,825	26,965	0	3,141,385	4,233,563	74%
'41	6,419,977	245,642	29,405	0	3,416,431	4,532,058	75%
'42	6,548,377	250,554	31,911	0	3,698,897	4,840,800	76%
'43	6,679,344	255,565	34,485	0	3,988,947	5,160,078	77%

**Woodlands MWC-Waste Water**  
 Nipomo, California  
Reserve Analysis Report Summary

Report Date	April 10, 2014	Parameters:	
Version	305	Inflation	2.00%
Account Number	10305	Annual Contribution Increase	2.00%
Budget Year Beginning	1/ 1/14	Investment Yield	1.00%
Ending	12/31/14	Taxes on Yield	10.00%
Total Units Included	0	Contingency	3.00%
Phase Development	1 of 1	Reserve Fund Balance as of	
		1/ 1/14:	\$125,000.00

Phase Increment Detail/Age

The Woodlands Mutual Water Company has two major systems--Water and Wastewater systems. This study is limited to equipment and systems with a value greater than \$15,000. Expenditures under \$15,000 are paid for with Operating & Maintenance funds. Estimated costs and useful life data was provided by The Wallace Group.

This study addresses the Waste Water system only. Water system components are contained in another study.

RDA Summary of Calculations

Monthly Contribution to Reserves Required:	\$18,283.50
Average Net Monthly Interest Contribution This Year:	169.73
Net Monthly Allocation to Reserves 1/ 1/14 to 12/31/14:	\$18,453.23

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**Woodlands MWC-Waste Water**  
Distribution of Accumulated Reserves

REPORT DATE: April 10, 2014  
 VERSION: 305  
 ACCOUNT NUMBER: 10305

DESCRIPTION	REM LIFE	IDEAL ACCUM RESERVES	ACTUAL DISTRIBUTION
Flow Meter	1	1,970.43	1,970.43
Hypochlorite Sys. - Metering Pumps	1	1,970.43	1,970.43
NTS - Pumps, 10 Hp	1	4,926.09	4,926.09
NTS - Tank	1	5,911.30	5,911.30
Ponds - DO Sensor & Controls	1	10,344.78	10,344.78
Aerators - 10 Hp	6	29,781.71	29,781.71
Aerators - 7.5 Hp	6	51,794.29	51,794.29
Effluent Pump Station - Pump, 25 Hp	6	15,052.71	14,660.19
Headworks Facility - Auger Monster	6	63,732.87	0.00
Intermediate Lift Stn. - Pump, 5 Hp	6	10,682.57	0.00
Lift Station - Pump, 30 Hp	6	9,064.00	0.00
Recirculation Pump Station - Pump	6	4,434.89	0.00
Generators	11	14,463.83	0.00
Generators	11	28,445.53	0.00
Headworks Facility - Flume	11	4,867.30	0.00
Intermediate Lift Station	11	1,474.00	0.00
Neutralization Tank System (NTS)	11	12,053.19	0.00
Ponds - Liner	11	72,854.31	0.00
Recirculation Pump Station	11	7,348.50	0.00
Tertiary Filter System	11	144,638.30	0.00
Tertiary Filter System	11	2,410.64	0.00
WWTP Building - Elec., Cont., Scada	11	218,813.64	0.00
Headworks Facility - General	41	30,869.53	0.00
Influent Control Structure	41	3,574.71	0.00
Mechanical Piping	41	2,703.97	0.00
Ponds - Structure (w/o liner)	41	3,348.11	0.00
Secondary Control Structure	41	15,943.71	0.00
WWTP Building - Structure	41	97,114.29	0.00
Collection System - 8" Pipe	61	169,610.78	0.00
Total Asset Summary:		1,040,200.41	121,359.22
Contingency @ 3.00%:		31,206.01	3,640.78
Grand Total:		1,071,406.42	125,000.00
Excess Reserves Not Used:			0.00
Percent Ideally Funded:		11.67%	

**Woodlands MWC-Waste Water**  
Asset Listing/Summary by Category

REPORT DATE: April 10, 2014  
 VERSION: 305  
 ACCOUNT NUMBER: 10305

DESCRIPTION	REM LIFE	CURRENT COST	MONTHLY CONTRIBUTION	NET MONTHLY ALLOCATION
WWTP Building - Elec., Cont., Scada	11	499,235	4,052.76	4,069.52
WWTP Building - Structure	41	561,000	1,426.01	1,431.91
*** CATEGORY SUMMARY:		1,060,235	5,478.77	5,501.43
Headworks Facility - Auger Monster	6	108,284	1,569.27	1,575.76
Headworks Facility - Flume	11	11,105	90.15	90.52
Headworks Facility - General	41	178,324	453.28	455.15
*** CATEGORY SUMMARY:		297,713	2,112.70	2,121.43
Secondary Control Structure	41	92,102	234.11	235.08
*** CATEGORY SUMMARY:		92,102	234.11	235.08
Influent Control Structure	41	20,650	52.49	52.71
*** CATEGORY SUMMARY:		20,650	52.49	52.71
Ponds - DO Sensor & Controls	1	11,550	111.43	119.68
Ponds - Liner	11	166,221	1,349.37	1,354.95
Ponds - Structure (w/o liner)	41	19,341	49.16	49.36
*** CATEGORY SUMMARY:		197,112	1,509.96	1,523.99
Aerators - 10 Hp	6	50,600	328.80	352.59
Aerators - 7.5 Hp	6	88,000	571.82	613.19
*** CATEGORY SUMMARY:		138,600	900.62	965.78
Recirculation Pump Station	11	16,766	136.11	136.67
Recirculation Pump Station - Pump	6	7,535	109.20	109.65
*** CATEGORY SUMMARY:		24,301	245.31	246.32
Effluent Pump Station - Pump, 25 Hp	6	25,575	171.52	183.27
*** CATEGORY SUMMARY:		25,575	171.52	183.27
Tertiary Filter System	11	330,000	2,678.92	2,690.00
Tertiary Filter System	11	5,500	44.65	44.83
*** CATEGORY SUMMARY:		335,500	2,723.57	2,734.83
Hypochlorite Sys. - Metering Pumps	1	2,200	21.23	22.80
*** CATEGORY SUMMARY:		2,200	21.23	22.80
Neutralization Tank System (NTS)	11	27,500	223.24	224.16
NTS - Pumps, 10 Hp	1	5,500	53.06	56.99
NTS - Tank	1	6,600	63.68	68.40
*** CATEGORY SUMMARY:		39,600	339.98	349.55

**Woodlands MWC-Waste Water**  
Asset Listing/Summary by Category

DESCRIPTION	REM LIFE	CURRENT COST	MONTHLY CONTRIBUTION	NET MONTHLY ALLOCATION
Collection System - 8" Pipe	61	1,375,000	2,591.53	2,602.25
*** CATEGORY SUMMARY:		1,375,000	2,591.53	2,602.25
Lift Station - Pump, 30 Hp	6	15,400	223.18	224.10
*** CATEGORY SUMMARY:		15,400	223.18	224.10
Intermediate Lift Station	11	3,363	27.30	27.41
Intermediate Lift Stn. - Pump, 5 Hp	6	18,150	263.03	264.12
*** CATEGORY SUMMARY:		21,513	290.33	291.53
Generators	11	33,000	267.89	269.00
Generators	11	64,900	526.85	529.03
*** CATEGORY SUMMARY:		97,900	794.74	798.03
Mechanical Piping	41	15,620	39.70	39.86
*** CATEGORY SUMMARY:		15,620	39.70	39.86
Flow Meter	1	2,200	21.23	22.80
*** CATEGORY SUMMARY:		2,200	21.23	22.80
TOTAL ASSET SUMMARY:		3,761,221	17,750.97	17,915.76
CONTINGENCY @ 3.00%:			532.53	537.47
GRAND TOTAL:			18,283.50	18,453.23

**Woodlands MWC-Waste Water**  
**RDA Standard Projections**

REPORT DATE: April 10, 2014  
VERSION: 305  
ACCOUNT NUMBER: 10305

Beginning Accumulated Reserves: \$125,000

YEAR	CURRENT REPLACEMENT COST	ANNUAL CONTRBTN	ANNUAL INTEREST CONTRBTN	ANNUAL EXPENDTRS	PROJECTED ENDING RESERVES	IDEAL ENDING RESERVES	PERCENT IDEALLY FUNDED
'14	3,761,221	219,402	2,037	0	346,439	1,220,155	28%
'15	3,836,445	211,012	3,745	28,611	532,584	1,344,236	40%
'16	3,913,174	209,563	5,680	0	747,828	1,503,451	50%
'17	3,991,438	207,108	7,615	0	962,551	1,668,498	58%
'18	4,071,267	203,198	9,539	0	1,175,288	1,839,545	64%
'19	4,152,692	197,289	11,437	0	1,384,014	2,016,767	69%
'20	4,235,746	186,605	10,088	353,101	1,227,606	1,828,666	67%
'21	4,320,461	190,087	11,880	0	1,429,573	2,010,623	71%
'22	4,406,870	193,887	13,721	0	1,637,181	2,199,127	74%
'23	4,495,007	197,746	15,613	0	1,850,540	2,394,366	77%
'24	4,584,907	201,662	17,558	0	2,069,759	2,596,535	80%
'25	4,676,606	196,045	6,193	1,474,194	797,803	1,255,436	64%
'26	4,770,138	199,292	8,034	0	1,005,128	1,439,419	70%
'27	4,865,540	203,747	9,926	0	1,218,801	1,630,259	75%
'28	4,962,851	208,311	11,876	0	1,438,987	1,828,157	79%
'29	5,062,108	212,986	13,885	0	1,665,859	2,033,319	82%
'30	5,163,350	217,776	15,956	0	1,899,590	2,245,955	85%
'31	5,266,617	222,684	18,088	0	2,140,362	2,466,284	87%
'32	5,371,950	227,713	20,285	0	2,388,359	2,694,528	89%
'33	5,479,389	232,868	22,547	0	2,643,774	2,930,915	90%
'34	5,588,977	238,152	24,877	0	2,906,803	3,175,680	92%
'35	5,700,756	240,735	22,586	517,743	2,652,381	2,885,122	92%
'36	5,814,771	245,833	24,986	0	2,923,201	3,136,491	93%
'37	5,931,067	251,388	27,457	0	3,202,047	3,396,761	94%
'38	6,049,688	257,084	30,000	0	3,489,130	3,666,187	95%
'39	6,170,682	262,924	32,619	0	3,784,674	3,945,032	96%
'40	6,294,095	268,915	35,315	0	4,088,904	4,233,563	97%
'41	6,419,977	275,062	38,090	0	4,402,056	4,532,058	97%
'42	6,548,377	281,368	40,946	0	4,724,370	4,840,800	98%
'43	6,679,344	287,842	43,886	0	5,056,099	5,160,078	98%

NOTE: In some cases, the projected ending reserves may exceed the ideal ending reserves during years following high expenditures. This is a result of the provision for a contingency in the report, which in the projections, is never expended. The contingency is continually adjusted according to present needs and any excess is redistributed among all assets considered.



**Woodlands MWC-Waste Water**  
Detail Report by Category

REPORT DATE: April 10, 2014  
 VERSION: 305  
 ACCOUNT NUMBER: 10305

<b>WWTP Building - Elec., Cont., Scada</b>		QUANTITY	1 system
		UNIT COST	499,235.000
ASSET ID	1025	PERCENT REPL	100.00%
GROUP/FACILITY	0	CURRENT COST	499,235.00
CATEGORY	201	FUTURE COST	620,735.97
		ASSIGNED RESERVES	0.00
PLACED IN SERVICE	6/05	SALVAGE VALUE	0.00
20 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	4,052.76
REPLACEMENT YEAR	2025	INTEREST	16.76
11 YEAR REM LIFE		MONTHLY ALLOCTN	4,069.52
REMARKS: NONE			

<b>WWTP Building - Structure</b>		QUANTITY	3,400 sq. ft.
		UNIT COST	165.000
ASSET ID	1024	PERCENT REPL	100.00%
GROUP/FACILITY	0	CURRENT COST	561,000.00
CATEGORY	201	FUTURE COST	1,263,484.46
		ASSIGNED RESERVES	0.00
PLACED IN SERVICE	6/05	SALVAGE VALUE	0.00
50 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	1,426.01
REPLACEMENT YEAR	2055	INTEREST	5.90
41 YEAR REM LIFE		MONTHLY ALLOCTN	1,431.91
REMARKS: NONE			

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CATEGORY SUMMARY:	ASSIGNED RESERVES	0.00
	MONTHLY CNTRBTN	5,478.77
	INTEREST	22.66
	MONTHLY ALLOCTN	5,501.43

**Woodlands MWC-Waste Water**  
Detail Report by Category

Headworks Facility - Auger Monster		QUANTITY	1 auger
		UNIT COST	108,284.000
ASSET ID	1027	PERCENT REPL	100.00%
GROUP/FACILITY	0	CURRENT COST	108,284.00
CATEGORY	202	FUTURE COST	121,945.37
		ASSIGNED RESERVES	0.00
PLACED IN SERVICE	6/05	SALVAGE VALUE	0.00
15 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	1,569.27
REPLACEMENT YEAR	2020	INTEREST	6.49
6 YEAR REM LIFE		MONTHLY ALLOCTN	1,575.76
REMARKS: NONE			

Headworks Facility - Flume		QUANTITY	1 flume
		UNIT COST	11,105.000
ASSET ID	1028	PERCENT REPL	100.00%
GROUP/FACILITY	0	CURRENT COST	11,105.00
CATEGORY	202	FUTURE COST	13,807.67
		ASSIGNED RESERVES	0.00
PLACED IN SERVICE	6/05	SALVAGE VALUE	0.00
20 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	90.15
REPLACEMENT YEAR	2025	INTEREST	0.37
11 YEAR REM LIFE		MONTHLY ALLOCTN	90.52
REMARKS: NONE			

Headworks Facility - General		QUANTITY	1 system
		UNIT COST	178,324.000
ASSET ID	1026	PERCENT REPL	100.00%
GROUP/FACILITY	0	CURRENT COST	178,324.00
CATEGORY	202	FUTURE COST	401,621.39
		ASSIGNED RESERVES	0.00
PLACED IN SERVICE	6/05	SALVAGE VALUE	0.00
50 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	453.28
REPLACEMENT YEAR	2055	INTEREST	1.87
41 YEAR REM LIFE		MONTHLY ALLOCTN	455.15
REMARKS: NONE			

Woodlands MWC-Waste Water  
Detail Report by Category

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CATEGORY SUMMARY:	ASSIGNED RESERVES	0.00
	MONTHLY CNTRBTN	2,112.70
	INTEREST	8.73
	MONTHLY ALLOCTN	2,121.43

**Woodlands MWC-Waste Water**  
Detail Report by Category

Secondary Control Structure		QUANTITY	2 structures
		UNIT COST	46,051.000
ASSET ID	1029	PERCENT REPL	100.00%
GROUP/FACILITY	0	CURRENT COST	92,102.00
CATEGORY	203	FUTURE COST	207,432.17
		ASSIGNED RESERVES	0.00
PLACED IN SERVICE	6/05	SALVAGE VALUE	0.00
50 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	234.11
REPLACEMENT YEAR	2055	INTEREST	0.97
41 YEAR REM LIFE		MONTHLY ALLOCTN	235.08
REMARKS: NONE			

CATEGORY SUMMARY:	ASSIGNED RESERVES	0.00
	MONTHLY CNTRBTN	234.11
	INTEREST	0.97
	MONTHLY ALLOCTN	235.08

Woodlands MWC-Waste Water  
Detail Report by Category

Influent Control Structure	QUANTITY	1 structure
ASSET ID 1030	UNIT COST	20,650.000
GROUP/FACILITY 0	PERCENT REPL	100.00%
CATEGORY 204	CURRENT COST	20,650.00
	FUTURE COST	46,507.94
PLACED IN SERVICE 6/05	ASSIGNED RESERVES	0.00
50 YEAR USEFUL LIFE	SALVAGE VALUE	0.00
+0 YEAR ADJUSTMENT	MONTHLY CNTRBTN	52.49
REPLACEMENT YEAR 2055	INTEREST	0.22
41 YEAR REM LIFE	MONTHLY ALLOCTN	52.71
REMARKS: NONE		

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CATEGORY SUMMARY:	ASSIGNED RESERVES	0.00
	MONTHLY CNTRBTN	52.49
	INTEREST	0.22
	MONTHLY ALLOCTN	52.71

**Woodlands MWC-Waste Water**  
Detail Report by Category

Ponds - DO Sensor & Controls		QUANTITY	2 systems
		UNIT COST	5,775.000
ASSET ID	1033	PERCENT REPL	100.00%
GROUP/FACILITY	0	CURRENT COST	11,550.00
CATEGORY	205	FUTURE COST	11,781.00
		ASSIGNED RESERVES	10,344.78
PLACED IN SERVICE	6/05	SALVAGE VALUE	0.00
10 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	111.43
REPLACEMENT YEAR	2015	INTEREST	8.25
1 YEAR REM LIFE		MONTHLY ALLOCTN	119.68
REMARKS: NONE			

Ponds - Liner		QUANTITY	16,790 sq. ft.
		UNIT COST	9.900
ASSET ID	1032	PERCENT REPL	100.00%
GROUP/FACILITY	0	CURRENT COST	166,221.00
CATEGORY	205	FUTURE COST	206,674.92
		ASSIGNED RESERVES	0.00
PLACED IN SERVICE	6/05	SALVAGE VALUE	0.00
20 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	1,349.37
REPLACEMENT YEAR	2025	INTEREST	5.58
11 YEAR REM LIFE		MONTHLY ALLOCTN	1,354.95
REMARKS: NONE			

Ponds - Structure (w/o liner)		QUANTITY	3 structures
		UNIT COST	6,447.000
ASSET ID	1031	PERCENT REPL	100.00%
GROUP/FACILITY	0	CURRENT COST	19,341.00
CATEGORY	205	FUTURE COST	43,559.81
		ASSIGNED RESERVES	0.00
PLACED IN SERVICE	6/05	SALVAGE VALUE	0.00
50 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	49.16
REPLACEMENT YEAR	2055	INTEREST	0.20
41 YEAR REM LIFE		MONTHLY ALLOCTN	49.36
REMARKS: NONE			

Woodlands MWC-Waste Water  
Detail Report by Category

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CATEGORY SUMMARY:	ASSIGNED RESERVES	10,344.78
	MONTHLY CNTRBTN	1,509.96
	INTEREST	14.03
	MONTHLY ALLOCTN	1,523.99

**Woodlands MWC-Waste Water**  
Detail Report by Category

Aerators - 10 Hp		QUANTITY	2 aerators
ASSET ID	1035	UNIT COST	25,300.000
GROUP/FACILITY	0	PERCENT REPL	100.00%
CATEGORY	206	CURRENT COST	50,600.00
		FUTURE COST	56,983.82
PLACED IN SERVICE	6/05	ASSIGNED RESERVES	29,781.71
15 YEAR USEFUL LIFE		SALVAGE VALUE	0.00
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	328.80
REPLACEMENT YEAR	2020	INTEREST	23.79
6 YEAR REM LIFE		MONTHLY ALLOCTN	352.59
REMARKS: NONE			

Aerators - 7.5 Hp		QUANTITY	4 aerators
ASSET ID	1034	UNIT COST	22,000.000
GROUP/FACILITY	0	PERCENT REPL	100.00%
CATEGORY	206	CURRENT COST	88,000.00
		FUTURE COST	99,102.29
PLACED IN SERVICE	6/05	ASSIGNED RESERVES	51,794.29
15 YEAR USEFUL LIFE		SALVAGE VALUE	0.00
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	571.82
REPLACEMENT YEAR	2020	INTEREST	41.37
6 YEAR REM LIFE		MONTHLY ALLOCTN	613.19
REMARKS: NONE			

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CATEGORY SUMMARY:	ASSIGNED RESERVES	81,576.00
	MONTHLY CNTRBTN	900.62
	INTEREST	65.16
	MONTHLY ALLOCTN	965.78



**Woodlands MWC-Waste Water**  
Detail Report by Category

Recirculation Pump Station		QUANTITY	1 station
		UNIT COST	16,766.000
ASSET ID	1036	PERCENT REPL	100.00%
GROUP/FACILITY	0	CURRENT COST	16,766.00
CATEGORY	207	FUTURE COST	20,846.41
		ASSIGNED RESERVES	0.00
PLACED IN SERVICE	6/05	SALVAGE VALUE	0.00
20 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	136.11
REPLACEMENT YEAR	2025	INTEREST	0.56
11 YEAR REM LIFE		MONTHLY ALLOCTN	136.67
REMARKS: NONE			

Recirculation Pump Station - Pump		QUANTITY	1 pump
		UNIT COST	7,535.000
ASSET ID	1037	PERCENT REPL	100.00%
GROUP/FACILITY	0	CURRENT COST	7,535.00
CATEGORY	207	FUTURE COST	8,485.63
		ASSIGNED RESERVES	0.00
PLACED IN SERVICE	6/05	SALVAGE VALUE	0.00
15 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	109.20
REPLACEMENT YEAR	2020	INTEREST	0.45
6 YEAR REM LIFE		MONTHLY ALLOCTN	109.65
REMARKS:			
1.5 Hp.			

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CATEGORY SUMMARY:	ASSIGNED RESERVES	0.00
	MONTHLY CNTRBTN	245.31
	INTEREST	1.01
	MONTHLY ALLOCTN	246.32

**Woodlands MWC-Waste Water**  
Detail Report by Category

Effluent Pump Station - Pump, 25 Hp		QUANTITY	3 pumps
		UNIT COST	8,525.000
ASSET ID	1038	PERCENT REPL	100.00%
GROUP/FACILITY	0	CURRENT COST	25,575.00
CATEGORY	208	FUTURE COST	28,801.60
		ASSIGNED RESERVES	14,660.19
PLACED IN SERVICE	6/05	SALVAGE VALUE	0.00
15 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	171.52
REPLACEMENT YEAR	2020	INTEREST	11.75
6 YEAR REM LIFE		MONTHLY ALLOCTN	183.27
REMARKS: NONE			

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CATEGORY SUMMARY:	ASSIGNED RESERVES	14,660.19
	MONTHLY CNTRBTN	171.52
	INTEREST	11.75
	MONTHLY ALLOCTN	183.27

Woodlands MWC-Waste Water  
Detail Report by Category

Tertiary Filter System		QUANTITY	1 filter
ASSET ID	1039	UNIT COST	330,000.000
GROUP/FACILITY	0	PERCENT REPL	100.00%
CATEGORY	209	CURRENT COST	330,000.00
		FUTURE COST	410,313.52
PLACED IN SERVICE	6/05	ASSIGNED RESERVES	0.00
20 YEAR USEFUL LIFE		SALVAGE VALUE	0.00
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	2,678.92
REPLACEMENT YEAR	2025	INTEREST	11.08
11 YEAR REM LIFE		MONTHLY ALLOCTN	2,690.00

REMARKS:

Aria AP -4 Filter Unit.

Tertiary Filter System		QUANTITY	1 skid
ASSET ID	1040	UNIT COST	5,500.000
GROUP/FACILITY	0	PERCENT REPL	100.00%
CATEGORY	209	CURRENT COST	5,500.00
		FUTURE COST	6,838.56
PLACED IN SERVICE	6/05	ASSIGNED RESERVES	0.00
20 YEAR USEFUL LIFE		SALVAGE VALUE	0.00
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	44.65
REPLACEMENT YEAR	2025	INTEREST	0.18
11 YEAR REM LIFE		MONTHLY ALLOCTN	44.83

REMARKS:

Chemical Supply Skid.

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CATEGORY SUMMARY:	ASSIGNED RESERVES	0.00
	MONTHLY CNTRBTN	2,723.57
	INTEREST	11.26
	MONTHLY ALLOCTN	2,734.83

**Woodlands MWC-Waste Water**  
Detail Report by Category

Hypochlorite Sys. - Metering Pumps		QUANTITY	2 pumps
ASSET ID	1041	UNIT COST	1,100.000
GROUP/FACILITY	0	PERCENT REPL	100.00%
CATEGORY	210	CURRENT COST	2,200.00
		FUTURE COST	2,244.00
PLACED IN SERVICE	6/05	ASSIGNED RESERVES	1,970.43
10 YEAR USEFUL LIFE		SALVAGE VALUE	0.00
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	21.23
REPLACEMENT YEAR	2015	INTEREST	1.57
1 YEAR REM LIFE		MONTHLY ALLOCTN	22.80

REMARKS: NONE

CATEGORY SUMMARY:	ASSIGNED RESERVES	1,970.43
	MONTHLY CNTRBTN	21.23
	INTEREST	1.57
	MONTHLY ALLOCTN	22.80

**Woodlands MWC-Waste Water**  
Detail Report by Category

Neutralization Tank System (NTS)		QUANTITY	1 system
		UNIT COST	27,500.000
ASSET ID	1042	PERCENT REPL	100.00%
GROUP/FACILITY	0	CURRENT COST	27,500.00
CATEGORY	211	FUTURE COST	34,192.79
		ASSIGNED RESERVES	0.00
PLACED IN SERVICE	6/05	SALVAGE VALUE	0.00
20 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	223.24
REPLACEMENT YEAR	2025	INTEREST	0.92
11 YEAR REM LIFE		MONTHLY ALLOCTN	224.16

REMARKS: NONE

NTS - Pumps, 10 Hp		QUANTITY	1 pump
		UNIT COST	5,500.000
ASSET ID	1043	PERCENT REPL	100.00%
GROUP/FACILITY	0	CURRENT COST	5,500.00
CATEGORY	211	FUTURE COST	5,610.00
		ASSIGNED RESERVES	4,926.09
PLACED IN SERVICE	6/05	SALVAGE VALUE	0.00
10 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	53.06
REPLACEMENT YEAR	2015	INTEREST	3.93
1 YEAR REM LIFE		MONTHLY ALLOCTN	56.99

REMARKS: NONE

NTS - Tank		QUANTITY	1 tank
		UNIT COST	6,600.000
ASSET ID	1044	PERCENT REPL	100.00%
GROUP/FACILITY	0	CURRENT COST	6,600.00
CATEGORY	211	FUTURE COST	6,732.00
		ASSIGNED RESERVES	5,911.30
PLACED IN SERVICE	6/05	SALVAGE VALUE	0.00
10 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	63.68
REPLACEMENT YEAR	2015	INTEREST	4.72
1 YEAR REM LIFE		MONTHLY ALLOCTN	68.40

REMARKS:

3,000 gallon with double containment.

Woodlands MWC-Waste Water  
Detail Report by Category

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CATEGORY SUMMARY:	ASSIGNED RESERVES	10,837.39
	MONTHLY CNTRBTN	339.98
	INTEREST	9.57
	MONTHLY ALLOCTN	349.55

**Woodlands MWC-Waste Water**  
Detail Report by Category

Collection System - 8" Pipe		QUANTITY	5 groups
ASSET ID	1045	UNIT COST	275,000.00
GROUP/FACILITY	0	PERCENT REPL	100.00%
CATEGORY	212	CURRENT COST	1,375,000.00
		FUTURE COST	4,601,645.68
PLACED IN SERVICE	6/05	ASSIGNED RESERVES	0.00
70 YEAR USEFUL LIFE		SALVAGE VALUE	0.00
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	2,591.53
REPLACEMENT YEAR	2075	INTEREST	10.72
61 YEAR REM LIFE		MONTHLY ALLOCTN	2,602.25

REMARKS:

Approximate cost per lineal foot is \$50 (2014).

CATEGORY SUMMARY:	ASSIGNED RESERVES	0.00
	MONTHLY CNTRBTN	2,591.53
	INTEREST	10.72
	MONTHLY ALLOCTN	2,602.25

**Woodlands MWC-Waste Water**  
Detail Report by Category

Lift Station - Pump, 30 Hp	QUANTITY	2 pumps
ASSET ID 1046	UNIT COST	7,700.000
GROUP/FACILITY 0	PERCENT REPL	100.00%
CATEGORY 213	CURRENT COST	15,400.00
	FUTURE COST	17,342.90
PLACED IN SERVICE 6/05	ASSIGNED RESERVES	0.00
15 YEAR USEFUL LIFE	SALVAGE VALUE	0.00
+0 YEAR ADJUSTMENT	MONTHLY CNTRBTN	223.18
REPLACEMENT YEAR 2020	INTEREST	0.92
6 YEAR REM LIFE	MONTHLY ALLOCTN	224.10
REMARKS: NONE		

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CATEGORY SUMMARY:	ASSIGNED RESERVES	0.00
	MONTHLY CNTRBTN	223.18
	INTEREST	0.92
	MONTHLY ALLOCTN	224.10



**Woodlands MWC-Waste Water**  
Detail Report by Category

Intermediate Lift Station		QUANTITY	1 station
ASSET ID	1048	UNIT COST	3,363.000
GROUP/FACILITY	0	PERCENT REPL	100.00%
CATEGORY	214	CURRENT COST	3,363.00
		FUTURE COST	4,181.47
PLACED IN SERVICE	6/05	ASSIGNED RESERVES	0.00
20 YEAR USEFUL LIFE		SALVAGE VALUE	0.00
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	27.30
REPLACEMENT YEAR	2025	INTEREST	0.11
11 YEAR REM LIFE		MONTHLY ALLOCTN	27.41
REMARKS: NONE			

Intermediate Lift Stn. - Pump, 5 Hp		QUANTITY	2 pumps
ASSET ID	1047	UNIT COST	9,075.000
GROUP/FACILITY	0	PERCENT REPL	100.00%
CATEGORY	214	CURRENT COST	18,150.00
		FUTURE COST	20,439.85
PLACED IN SERVICE	6/05	ASSIGNED RESERVES	0.00
15 YEAR USEFUL LIFE		SALVAGE VALUE	0.00
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	263.03
REPLACEMENT YEAR	2020	INTEREST	1.09
6 YEAR REM LIFE		MONTHLY ALLOCTN	264.12
REMARKS: NONE			

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CATEGORY SUMMARY:	ASSIGNED RESERVES	0.00
	MONTHLY CNTRBTN	290.33
	INTEREST	1.20
	MONTHLY ALLOCTN	291.53

**Woodlands MWC-Waste Water**  
Detail Report by Category

Generators		QUANTITY	1 generator
		UNIT COST	33,000.000
ASSET ID	1049	PERCENT REPL	100.00%
GROUP/FACILITY	0	CURRENT COST	33,000.00
CATEGORY	215	FUTURE COST	41,031.35
		ASSIGNED RESERVES	0.00
PLACED IN SERVICE	6/05	SALVAGE VALUE	0.00
20 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	267.89
REPLACEMENT YEAR 2025		INTEREST	1.11
11 YEAR REM LIFE		MONTHLY ALLOCTN	269.00

REMARKS:

Lift Station 125 KW, permanent.

Generators		QUANTITY	1 generator
		UNIT COST	64,900.000
ASSET ID	1050	PERCENT REPL	100.00%
GROUP/FACILITY	0	CURRENT COST	64,900.00
CATEGORY	215	FUTURE COST	80,694.99
		ASSIGNED RESERVES	0.00
PLACED IN SERVICE	6/05	SALVAGE VALUE	0.00
20 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	526.85
REPLACEMENT YEAR 2025		INTEREST	2.18
11 YEAR REM LIFE		MONTHLY ALLOCTN	529.03

REMARKS:

WWTF, permanent.

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CATEGORY SUMMARY:	ASSIGNED RESERVES	0.00
	MONTHLY CNTRBTN	794.74
	INTEREST	3.29
	MONTHLY ALLOCTN	798.03

**Woodlands MWC-Waste Water**  
Detail Report by Category

Mechanical Piping		QUANTITY	1 group
		UNIT COST	15,620.000
ASSET ID	1051	PERCENT REPL	100.00%
GROUP/FACILITY	0	CURRENT COST	15,620.00
CATEGORY	216	FUTURE COST	35,179.37
		ASSIGNED RESERVES	0.00
PLACED IN SERVICE	6/05	SALVAGE VALUE	0.00
50 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	39.70
REPLACEMENT YEAR	2055	INTEREST	0.16
41 YEAR REM LIFE		MONTHLY ALLOCTN	39.86
REMARKS: NONE			

CATEGORY SUMMARY:	ASSIGNED RESERVES	0.00
	MONTHLY CNTRBTN	39.70
	INTEREST	0.16
	MONTHLY ALLOCTN	39.86

**Woodlands MWC-Waste Water**  
Detail Report by Category

Flow Meter		QUANTITY	1 meter
		UNIT COST	2,200.000
ASSET ID	1052	PERCENT REPL	100.00%
GROUP/FACILITY	0	CURRENT COST	2,200.00
CATEGORY	217	FUTURE COST	2,244.00
		ASSIGNED RESERVES	1,970.43
PLACED IN SERVICE	6/05	SALVAGE VALUE	0.00
10 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT		MONTHLY CNTRBTN	21.23
REPLACEMENT YEAR	2015	INTEREST	1.57
1 YEAR REM LIFE		MONTHLY ALLOCTN	22.80

REMARKS: NONE

CATEGORY SUMMARY:	ASSIGNED RESERVES	1,970.43
	MONTHLY CNTRBTN	21.23
	INTEREST	1.57
	MONTHLY ALLOCTN	22.80

**Woodlands MWC-Waste Water**  
Detail Report by Category

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TOTAL ALL ASSETS:	ASSIGNED RESERVES	121,359.22
	MONTHLY CNTRBTN	17,750.97
	INTEREST	164.79
	MONTHLY ALLOCTN	17,915.76
CONTINGENCY @ 3.00%:	ASSIGNED RESERVES	3,640.78
	MONTHLY CNTRBTN	532.53
	INTEREST	4.94
	MONTHLY ALLOCTN	537.47
GRAND TOTALS:	ASSIGNED RESERVES	125,000.00
	MONTHLY CNTRBTN	18,283.50
	INTEREST	169.73
	MONTHLY ALLOCTN	18,453.23

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