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MARTIN S. FRIEDMAN, P.A. VALERIE L. LORD, OF COUNSEL (LICENSED IN TEXAS ONLY)

March 4, 2003

Ms. Blanca Bayo **Commission Clerk and Administrative Services Director** Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee, FL 32399

Docket No. 020407-WS; Application of Cypress Lakes Utilities, Inc., for Rate Re: Increase in Polk County, Florida Our File No.: 30057.45

Dear Ms. Bayo:

Enclosed for filing in the above-referenced docket are the original and five (5) copies of revised schedules E-3, F-1, F-2, F-4, F-5, F-6, F-7, F-8, F-9, and F-10.

If you should have any questions, please call.

Very/truly yours, VALERIE L. LORD

Of Counsel

VLL:dmp Enclosures

Mr. Steven M. Lubertozzi (w/ enclosure) Mr. Donald W. Rassmussen (w/enclosure) | 6 W 9- 84W 80 cc: HALT STAD - REALING STAD - REALING STATE Mr. David L. Orr, EI (w/enclosure) Mr. Frank Seidman (w/o enclosure)

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CHRIS H. BENTLEY, P.A. ROBERT C. BRANNAN DAVID F. CHESTER F. MARSHALL DETERDING JOHN R. JENKINS, P.A. STEVEN T. MINDLIN, P.A. DAREN L. SHIPPY WILLIAM E. SUNDSTROM, P.A. DIANE D. TREMOR, P.A. JOHN L. WHARTON

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**FPSC-COMMISSION CLERK** 

## BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application of CYPRESS LAKES UTILITIES, INC. for a rate increase in Polk County

**DOCKET NO. 020407-WS** 

## **NOTICE OF FILING**

Applicant, CYPRESS LAKES UTILITIES, INC., by and through its undersigned

attorneys, hereby notices the filing of Revised Schedules E-3, F-1, F-2, F-4, F-5, F-6, F-7,

F-8, F-9, and F-10.

Respectfully submitted on this 4th day of March, 2003, by:

ROSE, SUNDSTROM & BENTLEY, LLP 600 S. North Lake Boulevard Suite 160 Altamonte Springs, Florida 32701 Telephone: (407) 830-6331 Facsimile: (407) 830-8522 Email: mfriedman@rsbattorneys.com

MARTIN S. FRIEDMAN

# REVISED MFR SCHEDULES

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## **Sustomer Monthly Billing Schedule**

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WATER

Company: Cypress Lakes Utilities, Inc. Docket No.: 020407-WS Test Year Ended: December 31, 2001 Water [X] or Sewer []

Explanation: Provide a schedule of monthly customers billed or served by class.

## RESPONSE TO STAFF DATA REQUEST No. 6, Dated 2/20/03

**...**.

Line	(1) Month/	(2)	(3) General	(4) Gen. Service	(5) Private Fire	(6)	(7)
No.	Year	Residential	Service	Irrigation	Protection	Other	Total
1	January, 2001	1,042	5	36			1,083
2	February, 2001	1,044	5	36			1,085
3	March, 2001	1,044	5	36			1,085
4	April, 2001	1,044	5	36			1,085
5	May, 2001	1,050	5	36			1,091
6	June, 2001	1,060	5	36			1,101
7	July, 2001	1,067	5	36			1,108
8	August, 2001	1,067	5	36			1,108
9	September, 2001	1,077	5	36			1,118
10	October, 2001	1,085	5	36			1,126
11	November, 2001	1,085	5	36			1,126
12	December, 2001	1,091	5	36			1,132
13	Total	12,756	60	432	<u> </u>		13.248

## WASTEWATER

	(1)	(2)	(3)	(4)	(5)	(6)
Line	Month/	<b>m</b>	General	Multi-Family	0.1	
<u>No.</u>	Year	Residential	Service	Dwelling	Othe	er Total
	1	4.0.0	_			4.0.17
1	January, 2001	1,042	5			1,047
2	February, 2001	1,044	5			1,049
3	March, 2001	1,044	5			1,049
4	April, 2001	1,044	5			1,049
5	May, 2001	1,050	5			1,055
6	June, 2001	1,060	5			1,065
7	July, 2001	1,067	5			1,072
8	August, 2001	1,067	5			1,072
9	September, 2001	1,077	5			1,082
10	October, 2001	1,085	5			1,090
11	November, 2001	1,085	5			1,090
12	December, 2001	1,091	5	<u> </u>		1,096
13	Total	12,756	60	·	<u> </u>	12,816

Florida Public Service Commission

Schedule: E-3 Page 1 of 1 Preparer: Seidman, F. Rev. 1, 3/4/03 Gallons of Water Pumped, Sold and Unaccounted For In Thousands of Gallons

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Company: Cypress Lakes Utilities, Inc. Docket No.: 020407-WS Test Year Ended: December 31, 2001

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Florida Public Service Commission

Schedule F-1 Page 1 of 1 Preparer: Seidman, F. Rev. 2, 3/4/03

Explanation: Provide a schedule of gallons of water pumped, sold and unaccounted for each month of the test year. The gallons pumped should match the flows shown on the monthly operating reports sent to DER. The other uses may include plant use, flushing of hydrants and water and sewer lines, line breakage's and fire flows. Provide all calculations to substantiate the other uses. If unaccounted for water is greater than 10%, provide an explanation as to the reasons why; if less than 10%, Columns 4 & 5 may be omitted.

	(1) Total	(2)	(3)	(4)	(5)	(6)
Month/ Year	Gallons Pumped (000)	Gallons Purchased (000)	Gallons Sold (000)	Other Uses (000) (1)	Unaccounted For Water (1)+(2)-(3)-(4)	% Unaccounted For Water
1/2001	6,828		6,180	560	159	2.33 %
2/2001	6,708		6,109	-	441	6.57
3/2001	7,256		6,267	30	1,099	15.15
4/2001	7,383		6,127	-	770	10.43
5/2001	7,368		6,613	-	647	8.78
6/2001	6,275		6,721	50	1,125	17.93
7/2001	4,357		5,100	50	454	10.42
8/2001	4,194		3,853	100	506	12.06
9/2001	4,274		3,588	41	326	7.63
10/2001	5,966		3,907	21	523	8.77
11/2001	6,611		5,422	-	614	9.29
12/2001	7,254		5,997	· · · · · · · · · · · · · · · · · · ·	1,257	17.33
Total	74,474		65,884	852	7,921	10.64 9

Note: There is no specific explanation as to why the percentage of unaccounted for water is 10.64% rather than 10.00%. It could be due to an understatement of other uses, which are estimated. It also could be due to the normal 2-3% range of meter error. It is the utility's position that the acceptable level of unaccounted for water, without explanation, should be 12.5%, based on recommendations in previous rulemaking dockets that include an allowance of 2-3% in addition to the 10% the Commission had historically recognized.

#### Gallons of Wastewater Treated In Thousands of Gallons

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Company: Cypress Lakes Utilities, Inc. Docket No.: 020407-WS Test Year Ended: December 31, 2001

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Schedule F-2 Page 1 of 1 Rev. 1, 3/4/03

Explanation: Provide a schedule of gallons of wastewater treated by in	ndividual plant for each month of the
historical test year. Flow data should match the monthly operating re-	

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	(1)	(2)	(3)	(4)	(5)	(6) Total Purch,
Month/		Individual Pla	nt Flows (000)		Total Plant	Sewage
Year	N/A	N/A	N/A	N/A	Flows	Treatment
1/2001	3,038				3,038	none
2/2001	2,912				2,912	
3/2001	3,410				3,410	
4/2001	3,210				3,210	
5/2001	3,100 *				3,100	
6/2001	3,000 *				3,000	
7/2001	3,441				3,441	
8/2001	2,635				2,635	
9/2001	3,030				3,030	
10/2001	3,069				3,069	
11/2001	3,150				3,150	
12/2001	3,193			. <u></u>	3,193	
Total	37,188		-	-	37,188	

\* The effluent flow meter was out of service between early May and late June. The transducer failed and was replaced. In addition, plant improvements were completed, foolowed by the filling of empty aeration tanks and filters. As a result, the effluent volumes were reduced. The flows for May and June are estimated to be approximately 100,000 gpd.

#### Wastewater Treatment Plant Data

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Florida Public Service Commission

Company: Cypress Lakes Utilities, Inc. Docket No.: 020407-WS Test Year Enced: December 31, 2001 Schedule F-4 Page 1 of 1 Preparer: Seidman, F. Rev. 1, 3/4/03

Explanation: Provide the following information for each wastewater treatment plant. All flow data must be obtained from the monthly operating reports (MORs) sent to the Department of Environmental Regulation.

	MONTH	GPD
1. Plant Capacity (AADF)		175,000
The hydraulic rated capacity. If different from that shown on the DER operating o construction permit, provide an explanation.	r	
2. Average Daily Flow Max Month	7/2001	<u>111,000</u>
3 Average Annual Daily Flow		101,885

An average of the daily flows during the peak usage month during the test year. Explain, on a separate page, if this peak-month was influenced by abnormal infiltration due to rainfall periods.

(There is no record that this peak month was influenced by any abnormal infiltration)

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# Used and Useful Calculations Water Treatment Plant Company: Cypress Lakes Utilities, Inc.

Schedule F-5 Page 1 of 2 Preparer: Seidman, F. Rev. 1, 3/4/03 used and useful

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water treatment plant(s) for the historical test year and the projected test year (if applicable).

## Recap Schedules: A-5,A-9,B-13

Test Year Ended: December 31, 2001

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INPUT INFORMATION:			
Total well capacity, gpm Firm Reliable well pumping capacity (largest v	well out), gpm	1,500 730	gpm gpm
Ground storage capacity, gal.		0	gailons
Usable ground storage (90%), gai. Hydropneumatic storage capacity, gal.			gallons gallons
Usable hydropneumatic storage capacity (33. Total usable storage, gal.		gallons gallons	
High service pumping capacity, gpm		0	gpm
Average day demand, maximum month		246,100	
Maximum day, maximum month demand		331,000	•••
Peak hour demand = 2 x maximum day Instantaneous demand (see table, p. 2)	1082 customers	662,000 1,114	•.
Fire flow requirement	500 gpm x 2 hours	60,000	gpd
Unaccounted for water Acceptable unaccounted for Excess unaccounted for	10.64% of water pumped 12.50%	25,505	gpd, avg gpd, avg gpd, avg

Used & Useful Analysis:

This system treats water with simple chlorination. The only storage is in hydropneumatic tanks and there is no high service pumping. All demands must be met by well pumping capacity. Used & useful is therefore determined on the basis of instantaneous demand.

Percent U	sed & Useful = (A + B + C - D)/E x 100%, where:	100.00%
A =	Peak demand	1,114 gpm
B =	Property needed to serve five years after TY	396 gpm
C =	Fire flow demand	500 gpm
D =	Excess unaccounted for water	0 gpm
E =	Firm Reliable Capacity	730 gpm

The above used & useful factor is applicable to all source of supply, pumping and treatment accounts, as well as the land, structures and didtribution reservoir accounts.

Used and Useful Calculations Wastewater Treatment Plant

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Line

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Company: Cypress Lakes Utilities, Inc. Docket No.: 020407-WS Test Year Ended: December 31, 2001 Florida Public Service Commission

Schedule F-6 Page 1 of 2 Preparer: Seidman, F. Rev. 1, 3/4/03

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the wastewater treatment plant(s) for the historical test year and the projected test year (if applicable).

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No.	•		
1 2	(A)	Used and useful flow (000): AADF - year 2001	101,885
3	(B)	Property needed for post test year period (see F-8)	30.086
4	(C)	Permitted capacity	175,000
5	(D)	Used and useful percentage	<u>75.41</u> %
6	(E)	Non-used and useful percentage	<u>24.59</u> %

#### Recap Schedules: A-6,A-10,B-14

## Used and Useful Calculations Water Distribution and Wastewater Collection Systems

Company: Cypress Lakes Utilities, Inc. Docket No.: 020407-WS Test Year Ended: December 31, 2001

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Schedule F-7 Page 1 of 1 Preparer: Seidman, F. Rev. 1, 3/4/03

Explanation: Provide all calculations, analyses and governmental requirements used to determine the used and useful percentages for the water distribution and wastewater collection systems for the historical and the projected test year (if applicable). The capacity should be in terms of ability to serve a designated number of connections. It should then be related to actual connected density for historical year calculations. Explain all assumptions for projected calculations. If the distribution and collection systems are entirely contributed or built-out, this schedule is

## Distribution & Collection and (Pumping) Systems

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(A)	Average test year residential customers	1,058
(B)	Property needed for post test year period (see F-8)	247
(C)	Lots with service	1,200
(D)	Used and useful percentage	<u>100.00</u> %
(E)	Non-used and useful percentage	0.00%

## Margin Reserve Calculations

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Company: Cypress Lakes Utilities, Inc. Docket No.: 020407-WS Test Year Ended: December 31, 2001 Schedule F-8 Page 1 of 2 Preparer: Seidman, F. Rev. 1, 3/4/03

Explanation: If a margin reserve is requested, provide all calculations and analyses used to determine the amount of margin reserve for each portion of used and useful plant.

## Recap Schedules: F-5, F-6, F-7

#### Water Treatment & Related Facilities

 $PN = EG \times PT \times U$ 

where:

EG =	Equivalent annual growth in ERCs (see F-9)	77 ERC/yr
PT =	Post test year period per statute	5 yrs
U =	Unit of measure utilized in U&U calculations	1.03 gpm/ERC
PN =	Property needed expressed in U units	396 gpm/ERC

• Instantaneous demand per ERC from F-5.

#### Wastewater Treatment & Related Facilities

 $PN = EG \times PT \times U$ 

where:			
EG =	Equivalent annual growth in ERCs (see F-9)	57 ERC/yr	
PT =	Post test year period per statute	5 yrs	
U =	Unit of measure utilized in U&U calculations	105 gpd/ERC	**
PN =	Property needed expressed in U units	30,086 gpd/ERC	

\*\* Based on 2001 AADF divided by meter equivalent ERCs fron Schedule E-3.

## Distribution & Collection Systems

 $PN = EG \times PT \times U$ 

where:

EG =	Equivalent annual growth in ERCs (see F-9)	49 ERC/yr ***
PT =	Post test year period per statute	5 yrs
U =	Unit of measure utilized in U&U calculations	1 ERC/lot
PN =	Property needed expressed in U units	247 ERC/lot

\*\*\* Based on water SFR growth. Although the water & wastewater SFRs are slightly different, all residential customers are both water & wastewater.

Equivalent Residential Connections - Water

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Company: Cypress Lakes Utilities, Inc. Docket No.: 020071-WS Test Year Ended: December 31, 2001

Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

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Schedule F-9 Page 1 of 1 Preparer: Seldman, F. Rev. 1, 3/4/03

Line	(1)	(2) SFR Customers	(3)	(4)	(5) SFR Gallons	(6) Gallons/	(7) Total Gallons	(8) Total ERCs	(9) Annual % incr.
No.	Year	Beginning	Ending	Average	Sold	SFR (5)/(4)	Sold	(7)/(6)	in ERCs
1	1997	861	897	879	N/A	0	N/A	#DIV/01	
2	1998	897	940	919	48,541,406	52,849	50,403,076	954	#DIV/0!
3	1999	940	998	969	57,398,393	59,235	62,170,473	1,050	10.05%
4	2000	998	1,040	1,019	58,152,502	57,068	63,494,000	1,113	6.01%
5	2001	1,040	1,091	1,066	58,246,000	54,665	64,895,000	1,187	6.70%
					Average Growth	Through 4-Yea	r Period (Col. 8)		7.58%

NOTE: Current owner began operation in 1998. Data for prior years not available.

Regression Analysis per Rule 25-30.431(2)(C) For Treatment Related Facilities based on ERCs

	Constant:	884.9422256		-	#DIV/0!	•
	X Coefficient:	76.32492051		1	954	Actual
	8^2:	0.992788971		2	1,050	Actual
				3	1,113	Actual
				4	1,187	Actual
				5	1,267	Projected
				6	1,343	Projected
				7	1,419	Projected
				8	1,496	Projected
				9	1,572	Projected
Projected 5	year growth	385	ERCs			
Annual aver	age growth	77				
					v	
				X	¥	
	Regression Analysis pe		(C)			
	For Distribution & Col					
	Based on Average SFR's	s rather than ERCs.				
	Constant:	870.25	<b>i</b>	-	-	
	X Coefficient:	49.1	•	1	919	Actual
	R^2:	0.999630966	5	2	969	Actual
				3	1,019	Actual
				4	1,066	Actual
				5	1,116	Projected
				6	1,165	Projected
				7	1,214	Projected
				8	1,263	Projected
				9	1,312	Projected
Projected 5	year growth	247	ERCs			-
Annual aver	age growth	49				

#### Equivalent Residential Connections - Wastewater

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Company: Cypress Lakes Utilities, Inc. Docket No.: 020071-WS Test Year Ended: December 31, 2001 ---

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Explanation: Provide the following information in order to calculate the average growth in ERCs for the last five years, including the test year. If the utility does not have single-family residential (SFR) customers, the largest customer class should be used as a substitute.

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X

Schedule F-10 Page 1 of 1 Preparer: Seidman, F. Rev. 1, 3/4/03

(1) Line No. Year	(1)	(2) SFR Customers	(3)	(4)	(5) SFR Gallons Sold	(6) Gailons/ SFR (5)/(4)	(7) Totai Galions Sold	(8) Totai ERCs (7)/(6)	(9) Annuai % incr. in ERCs
	Year	Beginning	Ending	Average					
1	1997	861	897	879	м/л	0	N/A	#DIV/0!	
2	1998	897	940	919	48,208,066	52,486	49,552,206	944	#DIV/0!
3	1999	940	998	969	57,355,903	59,191	59,446,963	1,004	6.387
4	2000	998	1,040	1,019	58,152,502	57,068	60,685,220	1,063	5.88%
5	2001	1,040	1,091	1,066	57,938,000	54,376	60,580,000	1,114	4.77%
					Average Growth	Through 5-Yea	r Period (Col. 8)		5.68%

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NOTE: Current owner began operation in 1998. Data for prior years not available.

#### Regression Analysis per Rule 25-30.431(2)(C) For Treatment Related Facilities based on ERCs

Constant:	889.2297377	-	#DIV/0!	
X Coefficient:	56.8986	1	944	Actual
R^2:	0.998446029	2	1,004	Actual
		3	1,063	Actual
		4	1,114	Actual
		5	1,174	Projected
		6	1,231	Projected
		7	1,288	Projected
		8	1,344	Projected
		9	1,401	Projected

Projected 5 year growth Annual average growth

287 ERCs 57