#### Aqua Utilities Florida, Inc.

Docket No. 100330-WS

Application to Increase Rates and Charges For a "Class A" Utility In

Florida

#### **VOLUME 2 AND 3**

Containing Minimum Filing Requirements

Allowance for Funds Prudently Invested and Service Availability Charges

Filed September 1, 2010

#### Aqua Utilities Florida, Inc.

Docket No. 100330-WS

Application to Increase Rates and Charges For a "Class A" Utility In

Florida

Volumes 2 and 3

Containing Minimum Filing Requirements

Allowance for Funds Prudently Invested
Service Availability Charges

# Aqua Utilities Florida, Inc. Allowance for Funds Prudently Invested and Service Availability Charges

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## Allowance for Funds Prudently Invested - Treatment Calculation of Carrying Costs for Each ERC

Breeze Hill

Docket No. 100330-WS

Historical Test Year Ending April 30, 2010

#### Florida Public Service Commission

Schedule:

AFPI-T

Page:

1 of 3

Preparer:

D Smeltzer

Line	(1)	(2) Water	(1) <b>Sewer</b> Amount
No.	Description (FRCs)	Amount	Amount 5
1	Number of Future Customers (ERCs)	-	5
2	N. 1 C. 1 . 1 C 15 in a Annata (NII 191 I)		310
3	Net Cost of Qualifying Assets (NU&U)		62
4	Net Cost of Qualifying Assets per ERC	7.050/	
5	Multiply By Rate of Return	7.85%	7.89%
6	Annual Return Per ERC	-	4.89
7			= 0.404
8	Composite Depreciation Rate of Qualifying Assets	0.00%	5.94%
9			
10	Annual Depreciation Expense of Qlfyg Asts (NU&U)	-	18
11	Annual Depr. Cost per ERC	-	3.68
12	Annual Reduction in Return per ERC		0.29
13	(Annual Depr Exp per ERC x ROR)		
14			
15	Annual Property Tax (on NU&U)	_	18
16	Annual Prop. Tax per ERC	_	3.56
17			
18	State Income Tax Rate	5.50%	5.50%
19	Federal Tax Rate	35.00%	35.00%
20	Effective State Tax Rate	3.58%	3.58%
21	Composite Tax Rate	38.58%	38.58%
22			
23	Weighted Cost of Equity	5.87%	5.91%
24	Divided by Rate of Return	7.85%	7.89%
25	% of Equity in Return	74.81%	74.86%
26	-	·	
27	Effective Tax on Return	28.86%	28.88%
28	(Equity % Times Comp. Tax Rate)		
29			
30	Provision For Tax	46.98%	47.01%
31	(Tax on Return/(1-Total Tax Rate))		
32			
33	Other Costs	_	_
34	Other Costs per ERC	-	-

### Allowance for Funds Prudently Invested - Treatment - Water Calculation of Carrying Costs for Each ERC - cont'd

**Breeze Hill** 

Docket No. 100330-WS

Historical Test Year Ending April 30, 2010

#### Florida Public Service Commission

Schedule: AFPI-T

Page: Preparer: 2 of 3 D Smeltzer

		WATER				
	(1)	(2)	(3)	(4)	(5)	(6)
Line						
No.		2011	2012	2013	2014	2015
Calc	culation of Carrying Cost Per ERC Per Year:					
1	Unfunded Other Costs	-	-	-	-	-
2	Unfunded Annual Depreciation	-	-	-	-	-
3	Unfunded Property Tax	-		-	-	-
4	Subtotal Unfunded Annual Expense	-	-	-	-	-
5						
6	Unfunded Expenses Prior Year			-	-	-
7	Total Unfunded Expenses	-	-	-	-	-
8	_					
9	Return on Expenses Current Year	-		-	-	· - ,
10						
11	Return on Expenses Prior Year	-	_	-		-
12	Return on Plant Current Year	-	-	-	-	-
13	Earnings Prior Year	-	-	-	-	-
14	Compound Earnings from Prior Year	-	-	-	-	_
15	Total Compounded Earnings	-	-	-	-	-
16	_				-	
17	Earnings Expansion Factor for Tax	1.470	1.470	1.470	1.470	1.470
18						
19	Revenue Required to Fund Earnings	- 1	~		,	-
20	Revenue Required to Fund Expenses	_	-	-	-	_
21	Subtotal	-	-	-	_	_
22	Divided by Factor for Regulatory Assessment Fee	0.955	0.955	0.955	0.955	0.955
23	ERC Carrying Cost for 1 Year	-	-	-	-	-

Calculation	n of Carrying Cost Per ERC Per Month:	2011	2012	2013	2014	2015
24	January	-	-	-	-	-
25	February	, -	-	- "	-	2
26	March	-	-	· .	-	-
27	April	-	-	-		-
28	May	~	-	-	-	_
29	June		-	-	_	-
30	July	-	× .	-	-	_
31	August	-	_	_	-	_
32	September	-	_	-	_	-
33	October	-	_	-	_	_
34	November	-	2 _		_	_
35	December	-	-	_	-	_

## Allowance for Funds Prudently Invested - Treatment - Sewer Calculation of Carrying Costs for Each ERC - cont'd

**Breeze Hill** 

Docket No. 100330-WS

Historical Test Year Ending April 30, 2010

#### Florida Public Service Commission

Schedule: AFPI-T

Page: Preparer:

3 of 3 D Smeltzer

HISTO	ncal Test Year Ending April 30, 2010	SEWER				
-	(1)	(2)	(3)	(4)	(5)	(6)
Line						
No.	Description	2008	2009	2010	2011	2012
Calc	ulation of Carrying Cost Per ERC Per Year:				4	
1	Unfunded Other Costs	-	-	-	-	-
2	Unfunded Annual Depreciation	3.68	3.68	3.68	3.68	3.68
3	Unfunded Property Tax	3.56	3.56	3.56	3.56	3.56
4	Subtotal Unfunded Annual Expense	7.25	7.25	7.25	7.25	7.25
5		•				
6	Unfunded Expenses Prior Year		7.25	14.49	21.74	28.98
7	Total Unfunded Expenses	7.25	14.49	21.74	28.98	36.23
8						
9	Return on Expenses Current Year	0.57	0.57	0.57	0.57	0.57
10						
11	Return on Expenses Prior Year	-	0.57	1.14	1.72	2.29
12	Return on Plant Current Year	4.89	4.60	4.31	4.02	3.73
13	Earnings Prior Year	-	4.89	10.45	16.72	23.78
14	Compound Earnings from Prior Year	-	0.39	0.82	1.32	1.88
15	Total Compounded Earnings	4.89	10.45	16.72	23.78	31.67
16						
17	Earnings Expansion Factor for Tax	1.470	1.470	1.470	1.470	1.470
18						
19	Revenue Required to Fund Earnings	7.19	15.36	24.59	34.96	46.56
20	Revenue Required to Fund Expenses	7.25	14.49	21.74	28.98	36.23
21	Subtotal	14.43	29.85	46.32	63.94	82.78
22	Divided by Factor for Regulatory Assessment Fee		0.955	0.955	0.955	0.955
23	ERC Carrying Cost for 1 Year	15.11	31.26	48.51	66.95	86.69

Calculation of Carrying Cost Per ERC Pe	r Month:	2008	2009	2010	2011	2012
24	January	1.26	16.46	32.69	50.04	68.60
25	February	2.52	17.81	34.13	51.58	70.24
26	March	3.78	19.15	35.57	53.12	71.88
27	April	5.04	20.50	37.01	54.65	73.53
28	May	6.30	21.84	38.44	56.19	75.17
29	June	7.56	23.19	39.88	57.73	76.82
30	July	8.82	24.53	41.32	59.27	78.46
31	August	10.08	25.88	42.76	60.80	80.11
32	September	11.34	27.22	44.19	62.34	81.75
33	October	12.60	28.57	45.63	63.88	83.40
34	November	13.86	29.91	47.07	65.41	85.04
35	December	15.11	31.26	48.51	66.95	86.69

AFPI & Service Availability, data for calculating	,		,				
Breeze Hill	Histori	ical Base	Year	Р	ro Forma		Pro Forma
UPIS	Adjusted	and a second of some second or second or se	ed & Useful			ed & Useful	NU&U Adj'd
Water	Balance	%	Adjusted	Adjustments	%	Adjustments	Balance
INTANGIBLE PLANT	0	0.00%	0	0	0.00%	0	0
SOURCE OF SUPPLY & PUMPING PLANT	10,547	0.00%	0	0	0.00%	0	0
WATER TREATMENT PLANT	17,114	0.00%	0	0	0.00%	0	0
TRANSMISSION & DISTRIBUTION PLANT	139,524	0.00%	. 0	0	0.00%	0	0
GENERAL PLANT	13,381	0.00%	0	2,471 2,471	0.00%	0	
TOTAL	180,565	0.00%	- 0	2,971	0.00 /6		
UPIS Sewer							
INTANGIBLE PLANT	. 0	0.00%	0	0	0.00%	0	0
COLLECTION PLANT	139.853	0.00%	0	100,000	0.00%	0	0
SYSTEM PUMPING PLANT	18,917	0.00%	0	0	0.00%	0	. 0
TREATMENT AND DISPOSAL PLANT	122,814	3.50%	4,303	0	0.00%	0	4,303
RECLAIMED WATER TREATMENT PLANT	0	0.00%	.0	0	0.00%	0	0
RECLAIMED WATER DISTRIBUTION PLANT	4,693	0.00%	0	0	0.00%	0	0
GENERAL PLANT	12,186	0.00%	4,303	2,411	0.00%	0	4,303
TOTAL	298,464	1.44%	4,303	102,411	0.00%		4,303
Acc Depr Water							÷ ,_
INTANGIBLE PLANT	0	0.00%	0	0	0.00%	0	0
SOURCE OF SUPPLY & PUMPING PLANT	4,147	0.00%	0	0	0.00%	0	0
WATER TREATMENT PLANT	10,897	0.00%	0	. 0	0.00%	0	0
TRANSMISSION & DISTRIBUTION PLANT	66,341	0.00%	0	0	0.00%	0	0
GENERAL PLANT	5,553	0.00%	0	412	0.00%	0	0
TOTAL	86,937	0.00%		412	0.00%	0	
Acc Depr Sewer							
INTANGIBLE PLANT	0	0.00%	0	0	0.00%	0	0
COLLECTION PLANT	124,691	0.00%	0	2,222	0.00%	0	0
SYSTEM PUMPING PLANT	18,199	0.00%	0	0	0.00%	0	0
TREATMENT AND DISPOSAL PLANT RECLAIMED WATER TREATMENT PLANT	96,807 0	4.12% 0.00%	3,993	0	0.00%	0	3,993 0
RECLAIMED WATER TREATMENT FLANT	1,918	0.00%	0	0	0.00%	0	0
GENERAL PLANT	5,063	0.00%	0	402	0.00%	0	0
TOTAL	246,677	1.62%	3,993	2,624	0.00%	0	3.993
UPIS Net of Acc Depr							
Water Lines	73,183		0	.0		0	0
Water Treatment	12,617		0	0		0	0
Sewer Lines	15,162		0	97,778		0	0
Sewer Treatment	26,007		310	0		0	310
		SECTION SECTION			<b>是</b> 的特殊的		
Real Estate / Pers Prop Taxes on Non-Used & Water	Useful <sup>6</sup>	%of Adjd	0		%of Adjd	0	
Water-Lines		0.0%	0		0.0%	0	0
Water-Treatment		0.0%	0		0.0%	0	0
Sewer			18			19	
Sewer-Lines		0.0%	0		0.0%	0	0
Sewer-Treatment		100.0%	18		0.0%	0	18
Depreciation Expense for Non-Used & Useful							0
Water-Lines Water-Treatment			0			0	0
Sewer-Lines			0			0	0
Sewer-Treatment			18			0	18
			1.5	•			

Fairways at Mt. Plymouth							Pro Forma
		cal Base	NAMED AND POST OFFICE ADDRESS OF THE OWNER,	P	Non-Used	2 Heoful	NU&U Adj'd
UPIS	Adjusted	THE RESERVE THE PERSON	d & Useful	A diverse a sate		ustments	Balance
Water	Balance	0.00%	Adjusted 0	Adjustments 0	0.00%	0	0
INTANGIBLE PLANT	125 729	0.00%	0	ő	0.00%	0	0
SOURCE OF SUPPLY & PUMPING PLANT	125,728 78,358	0.00%	0	ő	0.00%	0	0
WATER TREATMENT PLANT TRANSMISSION & DISTRIBUTION PLANT	571,988	0.00%	0	ő	0.00%	0	0
GENERAL PLANT	40,776	0.00%	0	9,230	0.00%	0	0
TOTAL	816,851	0.00%	0	9,230	0.00%	0	0
TOTAL							
UPIS							
Sewer							_
INTANGIBLE PLANT	0	0.00%	0	0	0.00%	0	0
COLLECTION PLANT	1,477,779	0.00%	0	0	0.00%	0	0
SYSTEM PUMPING PLANT	54,316	0.00%	0	0	0.00%	0	0
TREATMENT AND DISPOSAL PLANT	663,792	0.00%	0	0	0.00%	0	0
RECLAIMED WATER TREATMENT PLANT	0	0.00%	0	0	0.00% 0.00%	0	0
RECLAIMED WATER DISTRIBUTION PLANT	0 704	0.00% 0.00%	0	4,704	0.00%	0	0
GENERAL PLANT TOTAL	20,781	0.00%	0	4,704	0.00%	0	0
TOTAL	2,210,000	0.0076		4,704	0.0076		
Acc Depr							
Water							
INTANGIBLE PLANT	0	0.00%	0	0	0.00%	0	. 0
SOURCE OF SUPPLY & PUMPING PLANT	45,249	0.00%	0	0	0.00%	0	0
WATER TREATMENT PLANT	17,923	0.00%	0	0	0.00%	0	0
TRANSMISSION & DISTRIBUTION PLANT	26,404	0.00%	0	0	0.00%	0	0
GENERAL PLANT	16,691	0.00%	0	1,539	0.00%	0	0
TOTAL	106,267	0.00%	0	1,539	0.00%	0	0
Acc Depr Sewer INTANGIBLE PLANT COLLECTION PLANT SYSTEM PUMPING PLANT TREATMENT AND DISPOSAL PLANT RECLAIMED WATER TREATMENT PLANT RECLAIMED WATER DISTRIBUTION PLANT GENERAL PLANT TOTAL	0 326,042 53,877 303,272 0 0 8,506 691,698	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0 0 0 0 0 0	0 0 0 0 0 0 0 784 784	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0 0 0 0 0	0 0 0 0 0 0
UPIS Net of Acc Depr							
Water Lines	545,584		0	0		0	0
Water Treatment	140,914		0	0		0	0
Sewer Lines	1,151,737		0	0		0	0
Sewer Treatment	360,520		0	0		0	0
	and the second	********		AND STREET, ST		医温光线	
Real Estate / Pers Prop Taxes on Non-Used & U	Useful <sup>9</sup>	%of Adjd			%of Adjd		
Water Water-Lines		0.0%	0		0.0%	0	0
Water-Lines Water-Treatment			0			0	0
Sewer		0.0%	0		0.0%	0	0
Sewer-Lines		0.0%	0		0.0%	0	0
Sewer-Treatment		0.0%	0		0.0%	0	0
Depreciation Expense for Non-Used & Useful			2. 00				
Water-Lines			0			0	0
Water-Treatment			0			0	0
Sewer-Lines			0			0	0
Sewer-Treatment			0	1		0	0

Peace River							
Peace River	Histori	cal Base	Year	P	ro Forma		Pro Forma
UPIS	Adjusted	Non-Use	ed & Useful		Non-Used	& Useful	NU&U Adj'd
Water	Balance	%	Adjusted	Adjustments	% Ad	justments	Balance
INTANGIBLE PLANT	0	0.00%	0	0	0.00%	0	0
SOURCE OF SUPPLY & PUMPING PLANT	49,360	0.00%	0	0	0.00%	0	0
WATER TREATMENT PLANT	16,259	0.00%	0	50,000	0.00%	0	0
TRANSMISSION & DISTRIBUTION PLANT	67,416	0.00%	0	0	0.00%	0	0
GENERAL PLANT	18,472	0.00%	0	1,897	0.00%	0	0
TOTAL	151,508	0.00%	0	51,897	0.00%	0	0
UPIS Sewer INTANGIBLE PLANT COLLECTION PLANT SYSTEM PUMPING PLANT TREATMENT AND DISPOSAL PLANT RECLAIMED WATER TREATMENT PLANT RECLAIMED WATER DISTRIBUTION PLANT GENERAL PLANT TOTAL	0 162,082 25,045 23,835 2,630 0 23,224 236,816	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0 0 0 0 0 0 0	0 0 0 0 0 0 1,799	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0 0 0 0 0 0	0 0 0 0 0 0
Acc Depr Water INTANGIBLE PLANT SOURCE OF SUPPLY & PUMPING PLANT WATER TREATMENT PLANT TRANSMISSION & DISTRIBUTION PLANT GENERAL PLANT TOTAL	0 (402) 79 1,432 8,109 9,218	0.00% 0.00% 0.00% 0.00% 0.00%	0 0 0 0 0	0 0 2,275 0 316 2,591	0.00% 0.00% 0.00% 0.00% 0.00%	0 0 0 0 0	0 0 0 0 0
Acc Depr Sewer INTANGIBLE PLANT COLLECTION PLANT SYSTEM PUMPING PLANT TREATMENT AND DISPOSAL PLANT RECLAIMED WATER TREATMENT PLANT	0 15,396 (632) 1,399 597	0.00% 0.00% 0.00% 0.00%	0 0 0 0	0 0 0 0	0.00% 0.00% 0.00% 0.00%	0 0 0	0 0 0 0 0 0
RECLAIMED WATER DISTRIBUTION PLANT	0	0.00%	0	0	0.00%	0	0
GENERAL PLANT	8,011 24,771	0.00%	0		0.00%	0	0
TOTAL	24,771	0.00%	U	300	0.00%		0
UPIS Net of Acc Depr							
Water Lines	65,984		0	0		0	0
Water Treatment	65,942		0	47,725		0	0
Sewer Lines	146,686		0	0		0	0
Sewer Treatment	22,436		0	0		0	0
Real Estate / Pers Prop Taxes on Non-Used &	Useful 9	%of Adjd	0		%of Adjd	0	
Water Water-Lines		0.0%	0		0.0%	0	0
Water-Lines Water-Treatment		0.0%	0		0.0%	0	0
Sewer		0.076	0	1	0.070	0	U
Sewer-Lines		0.0%	0		0.0%	0	0
Sewer-Treatment		0.0%	0		0.0%	0	0
Depreciation Expense for Non-Used & Useful Water-Lines			0			0	0
Water-Treatment			0			0	0
Sewer-Lines			0			0	0
Sewer-Treatment			0	1		0	0 .

#### **AVAILABILITY:**

See Sheet Nos. 30.1 - 30.2 for List of Plants.

#### **CHARGES:**

Main Extension Charges:

Per ERC

\$446.00

**Meter Installation Charges**:

5/8" x 3/4"

\$210.00

All other meter sizes

**Actual Cost** 

Meter With Built-In Backflow Preventer:

1:30

All Meter Sizes

**Actual Cost** 

Plant Capacity Charges:

Per ERC

\$700.00

Service Installation Charges:

Per Connection -

5/8" x 3/4"

\$1,000.00

Per Connection -

All other meter sizes

**Actual Cost** 

Stand Alone Backflow Prevention Device:

All Types

**Actual Cost** 

TYPE OF FILING

Base Rate Increase

**EFFECTIVE DATE** 

(Continued to Section VI Sheet No. 30.1)

#### **LIST OF PLANTS**

(Continued from Section VI Sheet No. 30.0)

Plant	County
Arredondo Estates/Farms	Lake
Beecher's Point	Putnam
Breeze Hill	Polk
Carlton Village	Lake
Chuluota	Seminole
East Lake Harris Estates	Lake
Fairways	Lake
Fern Terrace	Lake
Forty-Eight Estates	Lake
Friendly Center	Lake
Gibsonia Estates	Polk
Grand Terrace	Lake
Haines Creek	Lake
Harmony Homes	Seminole
Hermits Cove	Putnam
Hobby Hills	Lake
Holiday Haven	Lake
Imperial Mobile Terrace	Lake
Interlachen Lake/Park Manor	Putnam
Jasmine Lakes	Pasco
Jungle Den	Volusia
Kings Cove	Lake
Kingswood	Brevard
Lake Gibson Estates	Polk
Lake Josephine	Highlands
Lake Osborne Estates	Palm Beach
Lake Suzy	DeSoto
Leisure Lakes	Highlands
Morningview	Lake
Oakwood	Brevard
Ocala Oaks	Marion
Orange Hill/Sugar Creek	Polk
Palm Port	Putnam
Palm Terrace	Pasco
Palms MHP	Lake
Peace River	Hardee

(Continued to Section VI Sheet No. 30.2)

TYPE OF FILING

Base Rate Increase

**EFFECTIVE DATE** 

#### LIST OF PLANTS (cont'd)

(Continued from Section VI Sheet No. 30.1)

Plant	County
Picciola Island	Lake
Piney Woods	Lake
Pomona Park	Putnam
Quail Ridge	Lake
Ravenswood	Lake
River Grove	Putnam
Rosalie Oaks	Polk
Sebring Lakes	Highlands
Silver Lake Estates/Western Shores	Lake
Silver Lake Oaks	Putnam
Skycrest	Lake
St. John's Highlands	Putnam
Stone Mountain	Lake
Summit Chase	Lake
Sunny Hills	Washington
Tangerine	Orange
The Woods	Sumter
Tomoka/Twin Rivers	Volusia
Valencia Terrace	Lake
Venetian Village	Lake
Village Water	Polk
Welaka/Saratoga	Putnam
Wootens	Putnam ·
Zephyr Shores	Pasco

TYPE OF FILING

Base Rate Increase

**EFFECTIVE DATE** 

**AVAILABILITY:** 

See Sheet No. 30.1 for List of Plants.

**CHARGES:** 

Main Extension Charges:

Per ERC

\$ 480.00

**Plant Capacity Charges**:

Per ERC

\$1,300.00

Service Installation Charges:

Per Connection
Per Connection

4" or less

\$2,000.00

Greater than 4"

Actual Cost

TYPE OF FILING

Base Rate Increase

**EFFECTIVE DATE** 

(Continued to Section VI Sheet No. 30.1)

#### **LIST OF PLANTS**

(Continued from Section VI Sheet No. 30.0)

Plant	County
Arredondo Farms	Alachua
Beecher's Point	Putnam
Breeze Hill	Polk
Chuluota	Seminole
Fairways	Lake
FL Central Commerce Park	Seminole
Holiday Haven	Lake
Jasmine Lakes	Pasco
Jungle Den	Volusia
Kings Cove	Lake
Lake Gibson Estates	Polk
Lake Suzy	DeSoto
Leisure Lakes	Highlands
Morningview	Lake
Palm Port	Putnam
Palm Terrace	Pasco
Park Manor	Putnam
Peace River	Hardee
Rosalie Oaks	Polk
Silver Lake Oaks	Putnam
South Seas	Lee
Summit Chase	Lake
Sunny Hills	Washington
The Woods	Sumter
Valencia Terrace	Lake
Venetian Village	Lake
Village Water	Polk
Zephyr Shores	Pasco

**TYPE OF FILING** 

Base Rate Increase

**EFFECTIVE DATE**