ORIGINAL **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

In Re: Application for water and wastewater rates in Alachua, Brevard, Highlands, Lake, Lee, Marion, Orange, Palm Beach, Pasco, Polk, Putnam, Seminole, Sumter, Volusia, and Washington Counties by Aqua Utilities Florida, Inc.

in.

Docket No. 060368-WS

Date Filed: August 7, 2007

TESTIMONY

OF

ANDREW T. WOODCOCK, P.E., M.B.A. ON BEHALF OF

THE OFFICE OF PUBLIC COUNSEL

Respectfully Submitted,

Charles J. Beck Interim Public Counsel

Office of Public Counsel c/o The Florida Legislature 111 West Madison Street Room 812 Tallahassee, FL 32399-1400

(850) 488-9330

Attorney for the Citizens of the State of Florida

DOCUMENT NUMBER-DATE

06850 AUG-75

FPSC-COMMISSION CLERK

ORIGINAL

PREFILED TESTIMONY AND EXHIBITS OF ANDREW T. WOODCOCK, P.E., M.B.A.

ON BEHALF OF THE OFFICE OF PUBLIC COUNSEL

In Re: Application for water and wastewater rates in Alachua, Brevard, Highlands, Lake, Lee, Marion, Orange, Palm Beach, Pasco, Polk, Putnam, Seminole, Sumter, Volusia, and Washington Counties by Aqua Utilities Florida, Inc.

August 7, 2007

DOCUMENT NUMBER-DATE

06850 AUG-75 FPSC-COMMISSION CLERK

1 PREFILED TESTIMONY OF

2	ANDREW T. WOODCOCK P.E., M.B.A.
3	
4	Q. WHAT IS YOUR NAME AND BUSINESS ADDRESS?
5	A. My name is Andrew Woodcock. My business address is 201 East Pine St. Suite 1000,
6	Orlando, Florida.
7	
8	Q. BY WHOM ARE YOU EMPLOYED AND WHAT IS YOUR POSITION?
9	A. I am employed by Tetra Tech as a Professional Engineer and Senior Project Manager.
10	
11	Q.WHAT IS YOUR EDUCATIONAL BACKGROUND AND EXPERIENCE?
12	A. I graduated from the University of Central Florida in 1988 with a B.S. degree in
13	Environmental Engineering and in 1989 with an M.S. degree in Environmental
14	Engineering. In 2001, I graduated from Rollins College with an MBA degree. In 1990, I
15	was hired at Dyer, Riddle, Mills and Precourt as an engineer. In May of 1991 I was hired
16	at Hartman and Associates which has since become Tetra Tech. My experience has been
17	in the planning and design of water and wastewater systems with specific emphasis on
18	utility valuation, capital planning, utility financing, utility mergers and acquisitions and
19	cost of service rate studies. I have also served as utility rate regulatory staff for St. Johns
20	and Collier Counties in engineering matters. Exhibit ATW-1 provides additional details
21	of my work experience.

1

Q. WHAT ARE YOUR PROFESSIONAL AFFILIATIONS?

A. I am a member of the American Water Works Association and Water Environment
Federation.

4

5 Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE A RATE REGULATORY 6 BODY AS AN ENGINEERING WITNESS?

A. Yes, I testified in 2002 for the St. Johns County Regulatory Authority at a special
hearing in an overearnings case against Intercoastal Utilities.

9

10 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

11 A. The purpose of my testimony is to offer used and useful testimony on the 93 systems included in this rate case. The actual number of systems is 93 and not the 80 stated in the 12 13 original filing. Of the additional 13 systems, 12 systems are located in Marion County 14 that were filed as a single system under Ocala Oaks, 2 water systems were filed as a 15 single water system under Arredondo, and 2 systems were filed under Tomoka. I will also 16 provide testimony to the 2006 and 2007 plant additions made or projected to be made by 17 Aqua Utilities Florida, Inc. (AUF) before the end of the 2007 projected test year. I will 18 testify whether the plant in service amounts match the actual physical plant items at each 19 system, and whether the additions were prudently made at a reasonable cost. 20 Documentation to support prudence and reasonableness of the 2006 and 2007 plant 21 additions were either provided too late to be included in my August 7, 2007 pre-filed 22 testimony or was not provided at all. For this reason, I am unable to verify at this time the 23 prudence and reasonableness of AUF's 2006 and 2007 plant additions. It is my intent to 24 file Supplemental Pre-Filed Testimony on this issue at a later time.

1	Q. WHAT DOCUMENTS HAVE YOU REVIEWED AND WHAT
2	INVESTIGATIONS AND ANALYSES HAVE YOU MADE IN PREPARATION
3	FOR YOUR TESTIMONY?
4	A. I have studied the filings of AUF, including the Minimum Filing Requirements
5	(MFRs) and the direct Testimony of John Guastella and Gerald Conolly. I also reviewed
6	the Annual Reports filed by AUF with FPSC for 2004 and 2005. I also contacted the
7	Offices of the Florida Department of Environmental Protection (FDEP) in Orlando. I
8	have reviewed and studied many of AUF's responses to the interrogatories and requests
9	for production of documents.
10	
11	I made an inspection trip to each of the systems in the rate case and personally inspected
12	the major above ground treatment assets of each system. I also analyzed the system maps
13	of each system in relation to the number of connected customers, vacant lots and ability
14	to provide fire flow.
15	
16	Q. DESCRIBE YOUR METHODOLOGY FOR CALCULATING THE USED AND
17	USEFUL PERCENTAGES FOR WATER TREATMENT SYSTEMS.
18	A. My methodology for calculating the used and useful percentages for water systems is
19	detailed in Exhibit ATW-2. The methodology is based on evaluating the major treatment
20	components of wells and treatment, storage and high service pumps. Each component
21	should be evaluated individually to ensure that no one specific component is oversized.
22	
23	Exhibit ATW-3 provides a summary sheet of my water treatment used and useful
24	calculations as well as detailed sub sheets for each system. For systems that receive water

- from an outside source such as an adjacent utility the water treatment used and useful is
 considered 0.00% because no supply and treatment assets are necessary.
- 3

4 Q. WHAT DID YOU FIND WITH RESPECT TO EXCESS UNACCOUNTED FOR

5 WATER IN THE SYSTEMS INCLUDED IN THE RATE CASE?

6 A. I relied upon the data provided by the Utility in the MFRs. In determining what

7 amount of unaccounted for water is considered excess I used a threshold of 10% of the

8 pumped water which has been the standard used by the PSC. Any unaccounted for water

9 over this amount was deducted from the used and useful calculation. It should be noted

10 that extensive statewide meter reading and billing problems raise serious questions about

11 the accuracy and reliability of AUF's flow data provided in its MFRs. If it is even

12 possible to resolve these errors in this case as filed, further analysis of the unaccounted

13 for water issue will be required.

14

Q. WHAT OTHER PORTIONS OF YOUR ANALYSIS RELY UPON BILLED FLOW DATA?

A. I used billed flow data to determine unaccounted for water as mentioned above and as
part of my test for wastewater system Infiltration and Inflow (I/I). The erroneous billed
water data was also used to help quantify the growth factors utilized in my used and
useful analysis.

Q. HOW DID YOU DETERMINE THE MAXIMUM DAY DEMAND FOR THE WATER SYSTEMS?

A. I conducted a thorough analysis of the Monthly Operating Reports (MORs) AUF was
required to submit to the FDEP for the 2005 historic test year and selected the single
highest demand recorded for the year. I also conducted an analysis of the 5 highest flow
days in the maximum month of the historic test year. In the event the single highest
maximum day is the result of an unusual occurrence such as a fire or major line break, the
average of the 5 highest days in the maximum month can provide a reasonable proxy for
the maximum day.

10

11 Q. DID YOU FIND AN OCCAISION IN THIS ANALYSIS TO USE THE

12 AVERAGE OF THE FIVE HIGHEST FLOW DAYS IN THE MAXIMUM

13 MONTH IN LIEU OF THE MAXIMUM DAY?

14 A. Yes, I did. In several instances AUF in its MFRs did not use the actual maximum day

15 demand of the historic test year in its used and useful calculation. I take this to mean that

16 those days are anomalies and are not to be used in the used and useful calculations and

17 therefore I used the average of the highest five days of the maximum month of the

18 historic test year. The systems in question are:

19 48 Estates

- 20 Carlton Village
- 21 Gibsonia Estates
- 22 Interlachen-Park Manor
- 23 Jasmine Lakes
- 24 Lake Gibson Estates

- 1 Lake Josephine
- 2 Leisure Lakes

3 Ocala Oaks

- 4 Orange Hill-Sugar Creek
- 5 Palms MHP
- 6 Piney Woods
- 7 Sebring Lakes
- 8 Tangerine
- 9 Welaka-Saratoga Harbour
- 10 Wootens
- 11 Zephyr Shores
- 12

13 Q. HOW DID YOU DETERMINE THE PEAK HOUR FLOW FOR THE USED

14 AND USEFUL CALCULATIONS?

A. It is unusual for water systems the size of the ones in this rate case to record peak hour flow data, therefore it must be estimated. As stated in Exhibit ATW-2 peak hour flow is typically expressed as a ratio of the maximum day demand and is usually in the range of 1.5 to 2.0 times the maximum day flow. Larger systems with a more diverse customer base typically have lower peak to max ratios than smaller residential only systems. For the systems in this rate case which are smaller and primarily residential I used a factor of 2.0 times the test year maximum day demand to determine the peak hour flow.

Q. WHAT STEPS DID YOU TAKE TO DETERMINE THE CAPACITIES OF THE WATER TREATMENT COMPONENTS?

3

A. I relied primarily upon what was stated in the MFRs submitted by AUF, as verified by 4 my reviews of the system permits, sanitary surveys, and review of on-site O&M manuals 5 and other data. In some cases where there was no data to document what was in the 6 MFRs I conducted rudimentary flow tests during my system inspections. These tests on 7 the system pumps consisted of reading the flow meters during their operation. In other 8 9 cases there was no data in the MFRs and the pump capacity could not be determined 10 through testing. For these instances I calculated a capacity based on the pump horsepower. These calculations assume the pump is operating at 70 psi with a typical 11 motor efficiency of 90% and a typical pump efficiency of 70%. 12

13.

In the course of my analysis I found it necessary to revise the capacities of the following
system components:

System	Component	Notes
Arredondo (Combined)	Wells	Used well capacities of 120,
		120, 250, and 300 gpm
		based on Sanitary Surveys
		and field data
49 th St Villas (Ocala Oaks)	Wells	Added 75 gpm well based
		on Sanitary Surveys
Belleaire (Ocala Oaks)	Wells	Added two 92 gpm wells
		based on Sanitary Surveys
Belleview Hills (Ocala	Wells	Added two 70 gpm wells
Oaks)		based on Sanitary Surveys
Belleview Hills Estates	Wells	Added two 200 gpm wells
(Ocala Oaks)		based on Sanitary Surveys

Chappell Hills (Ocala Oaks)	Wells	Added one 70 gpm well
		based on Sanitary Surveys
Fairfax Hills (Ocala Oaks)	Wells	Added two 70 gpm wells
		based on Sanitary Surveys
Gibsonia Estates	Wells	Used well capacities of 305
		and 180 gpm based on
		onsite O&M data
Hawks Point (Ocala Oaks)	Wells	Added two 185 gpm wells
· · · · · · · · · · · · · · · · · · ·		based on Sanitary Surveys
Marion Hills (Ocala Oaks)	Wells	Added one 50 gpm well
		based on Sanitary Surveys
Ravenswood	Wells	Used 90 gpm well from
		field inspection
Ridgeview (Ocala Oaks)	Wells	Added two 90 gpm wells
		based on Sanitary Surveys
Sebring Lakes-Lake	HSP	Calculated two high service
Josephine		pump capacities of 310 gpm
Summit Chase	Wells	Used well capacities of 525,
		and 100 based on on-site
		O&M data
Sunny Hills	Wells	Added well from WTP No
۰ ۱		5 from Sanitary Surveys
Tomoka-Twin Rivers	Wells, HSP	Added 268 gpm well from
		Sanitary Survey; calculated
		five high service pump
		capacities of 78 gpm each
Welaka-Saratoga Harbour	Wells	Added two 110 gpm wells
		from field inspection and
		Sanitary Surveys
Westview (Ocala Oaks)	Wells	Added one 70 gpm well
		based on Sanitary Surveys
Woodbury (Ocala Oaks)	Wells	Added one 70 gpm well
		based on Sanitary Surveys
Wootens	HSP	Calculated two 78 gpm
		HSPs
Zephyr Shores	Wells	Added a 500 gpm well from
_		field inspection

ļ

. .

.

1

Q. HOW DID YOU ADDRESS GROWTH IN YOUR USED AND USEFUL ANALYSIS?

A. Chapter 367.081 (2)(a)2.b., F.S., requires that used and useful calculations include a 3 growth factor for the first full five years after the end of the test year. In this case the 4 5 projected test year is 2007 and the historic test year is 2005. In my growth calculations I have included growth through 2012 which is five years past the projected test year. The 6 difference between the historic and projected test years has required that the used and 7 useful growth factor be calculated differently depending upon the date of the data used. 8 For example all water and wastewater plant used and useful calculations are based upon 9 the data of the historic test year of 2005, therefore the growth period through 2012 is 10 actually seven years. However, the used and useful piping calculations are based upon 11 12 system maps that are considered to be current (mid year 2007) which generates a growth 13 period of 5.5 years.

14

For the estimate of annual growth for each system I relied upon the data submitted by the Utility in Schedules F-8 and F-9. In instances where a negative growth rate was calculated I used 0%. In instances where the growth rate was in excess of 5% I used a growth rate of 5% as required by Chapter 367.081 (2)(a)2.b., F.S.

19

20 Q. WERE ANY OF THE SYSTEMS YOU EVALUATED INTERCONNECTED?

A. Yes, I found four instances where water systems were interconnected; East Lake
Harris - Friendly Estates, St Johns Highlands - Hermits Cove, Sebring Lakes - Lake
Josephine and Welaka - Saratoga Harbour. In each case it was necessary to calculate the
used and useful percentages with the interconnected systems operating together as

detailed in Exhibit ATW-2. For the most part this consisted of calculating the firm
capacity using the combined wells of the systems. However, In the case of East Lake
Harris - Friendly Estates and Sebring Lakes – Lake Josephine it was also necessary to
combine the unaccounted for water analysis and growth factors based on a weighted
average of the systems.

6

Q. WERE THERE ANY ANOMALIES IN THE WATER SYSTEM DATA 8 SUBMITTED BY THE UTILITY?

9 A. Yes, there were four situations apart from the numerous capacity changes previously 10 mentioned. First, there was the case of Imperial Mobile Terrace. The MFRs state that 11 there was more water sold than pumped in the system due to an unknown interconnect 12 with the City of Tavares that was open. As a result is was difficult to get reasonable data 13 on this systems usage. In order to compensate for this I utilized the water sold figures in 14 the numerator of the used and useful calculation. This is a more than fair assumption as it 15 ignores any impact of an excess unaccounted for water adjustment which could be a 16 factor in the calculations.

17

Then there is the case of Ocala Oaks. The MFRs submitted by the Utility for Ocala Oaks actually comprise data for 12 water systems in Marion County. It is difficult to determine exactly how the MFRs arrive at a single used and useful value for these systems and discovery items have been sent to the Utility on this issue. I evaluated each system individually based on the available data. Much of the information on well capacities was obtained from Sanitary Surveys and my inspections. For both the unaccounted for water

1 and growth rates I applied what the utility used for Ocala Oaks as a whole. The individual

2 used and useful analyses generated are as follows:

3

•

•

System	Water Treatment Used and Useful
49 th Street Villas	97.35%
Belleaire	100.00%
Belleview Hills	100.00%
Belleview Hills Estates	94.75%
Chappell Hill	63.38%
Fairfax Hills	100.00%
Hawks Point	55.85%
Marion Hills	38.47%
Ocala Oaks	100.00%
Ridgeview	45.38%
Westview	27.04%
Woodbury	100.00%

4

A combined analysis was prepared by using a weighted average of the used and useful
calculations with the connected customers as a weighting factor. The resulting composite
used and useful percentage is 93.09%.

8

9 The third and fourth unusual instances are similar to Ocala Oaks and include the

10 combining of Arredondo Farms and Arredondo Estates and the combining of Tomoka

1 and growth rates I applied what the utility used for Ocala Oaks as a whole. The individual

2 used and useful analyses generated are as follows:

3

System	Water Treatment Used and Useful
49 th Street Villas	97.35%
Belleaire	100.00%
Belleview Hills	100.00%
Belleview Hills Estates	94.75%
Chappell Hill	63.38%
Fairfax Hills	100.00%
Hawks Point	55.85%
Marion Hills	38.47%
Ocala Oaks	100.00%
Ridgeview	45.38%
Westview	27.04%
Woodbury	100.00%

4

5 A combined analysis was prepared by using a weighted average of the used and useful

6 calculations with the connected customers as a weighting factor. The resulting composite

7 used and useful percentage is 93.09%.

8

9 The third and fourth unusual instances are similar to Ocala Oaks and include the

10 combining of Arredondo Farms and Arredondo Estates and the combining of Tomoka

and Twin Rivers. In both cases the data of two non-connected systems are combined in

2 the MFRs.

- 3
- 4 An individual analysis of the Arredondo systems yields the following:

System	Water Treatment Used and Useful
Arredondo Estates	100.00%
Arredondo Farms	59.44%

5

6 Combining the used and useful calculations using connected customers as a weighting

7 factor generates a percentage of 74.52%, which is used at this time.

- 8
- 9 The individual used and useful analysis of the Tomoka and Twin Rivers systems yields:

System	Water Treatment Used and Useful
Tomoka	Treatment 29.34%; Storage 100.00%; High
	Service Pumps 75.23%
Twin Rivers	Treatment 28.66%; Storage 100%; High
	Service Pumps 100%

- 10 The weighted average calculation also generates component percentages of 29.15% for
- 11 treatment; 100.00% for storage; and 82.22% for high service pumping which is used at
- 12 this time.

1 O. WHAT IS YOUR POSITION ON FIRE FLOW AND USED AND USEFUL?

A. Fire flow when required and able to be provided throughout the water system should
be a part of the used and useful calculation. In the MFRs the Utility uses fire flow for 11

4 systems as follows:

System	Fire Flow Requirement
Chuluota	750 gpm
Hobby Hills	500 gpm
Imperial Mobile Terrace	500 gpm
Kings Cove	500 gpm
Quail Ridge	500 gpm
Silver Lakes Estates-Western Shores	500 gpm
Skycrest	500 gpm
Summit Chase	500 gpm
Sunny Hills	700 gpm
Tangerine	500 gpm
Valencia Terrace	500 gpm

5

6 In evaluating whether or not a system is actually able to provide fire flow I reviewed the 7 system maps submitted by the Utility. My review consisted of looking for the presence of 8 fire hydrants throughout the entire service area as well as evaluating the line sizes of the 9 system that fed the hydrants. In cases where the hydrants were not located in sufficient 10 numbers to cover the full service area or when the pipes for the hydrants were less than 11 six inches in diameter the system was considered not able to provide fire flow and fire

1	flow was not	t considered in	n the used	and useful	l calculations.	Based on r	nv review f	ire
-							~~j ~~ i ~~ ii _	

- 2 flow is not considered in the following systems:
- 3 Chuluota: Hydrants are not throughout the entire service area.
- 4 Hobby Hills: Maps show no fire hydrants or sufficiently sized lines.
- 5 Imperial Mobile Terrace: Maps show no fire hydrants or sufficiently sized lines.
- 6 Silver Lake Estates-Western Shores: Hydrants are not throughout the entire service area.

7 Skycrest: Maps show no fire hydrants or sufficiently sized lines.

- 8 Sunny Hills: Hydrants are not throughout the entire service area.
- 9 Tangerine: Hydrants are not throughout the entire service area.
- 10
- 11 Where fire flow is considered I used a typical fire flow duration of 2 hours. Additional

12 discovery may provide refinements to the fire flow duration.

13

14 Q. DESCRIBE YOUR USED AND USEFUL METHODOLOGY FOR

15 WASTEWATER TREATMENT SYSTEMS?

16 A. The specifics of the methodology are provided in Exhibit ATW-2. My analysis

17 consisted of a review of the test year Discharge Monitoring Reports (DMRs) that are

18 required to be filed monthly with FDEP. The appropriate basis for the calculation was

19 then determined from the system permits. In instances where the permit delineated two

20 permitted capacities, one for treatment and one for effluent disposal which generated two

- 21 used and useful numbers. With one exception the difference was not considered to be
- 22 great and the larger of the two used and useful values was utilized. The exception is the
- 23 Chuluota system whose wastewater treatment plant was recently expanded to 400,000
- 24 gpd but has yet to successfully permit effluent disposal beyond 100,000 gpd. It was

determined in this case to use the 400,000 gpd capacity. Exhibit ATW-4 provides a
 summary sheet of my wastewater treatment used and useful calculations as well as
 detailed sub sheets for each system.

4

5 Q. DESCRIBE YOUR EFFORTS TO IDENTIFY INFILTRATION AND INFLOW 6 IN THE WASTEWATER SYSTEMS?

A. In first determining if infiltration and inflow (I/I) is an issue one must first look at the 7 billed water flow relative to the wastewater flow. Engineering guidelines state that 70% 8 to 90% of water purchased by customers is returned to the wastewater system. In order to 9 10 determine if I/I is present in a system I used an 80% return ratio. If the wastewater flow is greater than 80% of the billed water flow then I considered the system to have an I/I issue 11 12 and require additional analysis. Some systems have a different number of water and wastewater customers so in these cases I used the ratio of water to wastewater ERCs to 13 factor the billed water from the appropriate amount of customers. As stated previously, 14 extensive statewide meter reading and billing problems raise serious questions about the 15 accuracy and reliability of AUF's flow data provided in its MFRs. If it is even possible to 16 resolve these errors in this case as filed, further analysis of the I/I issue will be required. 17 With the flow data currently filed I found I/I issues in the following systems: 18 19 Holiday Haven

- 20 Interlachen-Park Manor
- 21 Jasmine Lakes
- 22 Jungle Den
- 23 Leisure Lakes
- 24 Morningview

- 1 Palm Port
- 2 Rosalie Oaks
- 3 Silver Lake Oaks
- 4 Summit Chase
- 5 Venetian Village
- 6 Village Water

7 The Woods

8

Having identified these systems as having potential I/I issues I then looked to what would 9 10 be an allowable amount of I/I for a system. Typically this is done by an analysis of the length and diameter of collection pipe in the system, however, this information was late 11 filed by AUF in response to discovery requests and has yet to be reviewed by me. Review 12 of additional detailed data concerning the collection lines could result in Supplemental 13 Testimony to revise my findings on this issue. My analysis at this time assumes that 14 wastewater flow in excess of 10% of the billed water returned to the wastewater plant is 15 considered excessive I/I. Based on this criterion the following systems were found to 16 have excessive I/I and require adjustment to the used and useful calculations: 17 Holiday Haven 18 19 Interlachen-Park Manor Jungle Den 20 Leisure Lakes 21 Palm Port 22 Rosalie Oaks 23

24 Silver Lake Oaks

- 1 Summit Chase
- 2 Venetian Village
- 3 Village Water
- 4 The Woods
- 5

Q. DESCRIBE YOUR METHODOLOGY FOR DETERMINING THE USED AND USEFUL PERCENTAGES FOR WATER DISTRIBUTION AND WASTEWATER COLLECTION?

9 A. The methodology for determining the used and useful percentage for water

10 distribution and wastewater collection systems is provided in Exhibit ATW-2. The used

and useful percentages were determined from the system maps submitted by the Utility

12 and involved a system by system counting of the number of connections and number of

13 potential connections. A summary of the used and useful percentage for each system

14 along with detailed sub sheets are shown in Exhibit ATW-5.

15

Q. DID YOU FIND ANY SYSTEMS THAT HAD COMPLETELY BUILT OUT SERVICE AREAS AND STILL HAD AVAILABLE TREATMENT CAPACITY? A. Yes, in those cases the used and usefulness of the water distribution and wastewater collection systems were considered 100%. However, the water and wastewater treatment

20 facilities may not be considered 100%. Non used and useful plant could be used to

21 support service area expansions, internal service area redevelopment or bulk supply to

22 external users.

1 Q. DOES THAT CONCLUDE YOUR TESTIMONY AT THIS TIME?

2 A. Yes it does.

EXHIBIT ATW-1

RESUME

TETRA TECH

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-1 Page 1 of 3 Resume

ANDREW T. WOODCOCK, P.E., M.B.A.

Mr. Woodcock has been involved with many different facets of environmental engineering including planning, design, and permitting of both water and wastewater treatment facilities, wastewater collection systems, pipeline systems, pumping stations and effluent disposal systems. He has special expertise in utility due diligence investigations, utility valuations, financial feasibility analyses and business plans. He is also experienced in the preparation and review of capital improvement programs, master planning and water and wastewater impact fees.

EXPERIENCE

Mr. Woodcock's major design and planning experience includes the design, and permitting functions associated with several water and wastewater projects. Representative water projects include the Venice Gardens Utilities Center Road WTP 0.6 MGD RO facility expansion and the City of Port St. Lucie wellfield expansion. Wastewater design projects include the 0.5 MGD expansion to the Deltona Lakes WWTP and the 1.6 MGD expansion to the City of Sanibel's WWTP both of which include treatment to public access reuse standards.

Mr. Woodcock's water and wastewater utility planning experience includes several master plans and capital improvements programs. Recent planning projects include the City of Winter Haven Water Master Plan, the Town of Palm Beach Water Capital Improvements Program, and the Marion County Utility Consolidation Program.

Mr. Woodcock has participated in over 60 water and wastewater utility valuations and acquisitions for utility systems located throughout the Southeast United States. The acquisition projects cover a wide range of utility system configurations and sizes and include engineering due diligence inspections, valuations, and financing activities associated with the transactions. Major projects include the City of Peachtree City GA acquisition of Georgia Utilities Company, the City of Winter Haven FL acquisition of Garden Grove Water Company and the acquisition of the Deltona and Marion County systems from Florida Water Services Corp.

Additionally, Mr. Woodcock has experience in the review and analysis of water and wastewater utility impact fees and utility financial feasibility studies in support of capital funding including studies for the Cities of Apopka, Brooksville, and Bartow, Pasco County and the Tohopekaliga Water Authority. Title: Senior Project Manager

Education: B.S.E., University of Central Florida, 1988

M.S.E., University of Central Florida, 1989

M.B.A., Rollins College, 2001

Registrations/ Certifications: Professional Engineer, Florida, No. 47118

Professional Affiliations: Water Environment Federation

American Water Works Association

Office: Orlando, Florida

Years of Experience: 1990 – Present

Years with Tetra Tech: 1991 – Present



Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-1 Page 2 of 3 Resume

Specific Recent Project Experience Includes:

Deltona, Florida

Utility Acquisition of Florida Water Services Corp (2003) Consulting Engineers Report, Series 2003; Utility System Revenue Bonds, \$81.72 million. Water and Wastewater Impact Fee Study (2005) Water and Wastewater Rate Study (2006) Utility Replacement Cost Study (2004)

Marion County Florida

Water and Wastewater Impact Fee Study (2005)

Utility Acquisition of Florida Water Services (2003)

Utility Acquisition of AP Utilities, Palm Bay Utilities, Oak Run Utilities, Pine Run Utilities, Quail Meadow Utilities

Consulting Engineering Report, Series 2003; Utility System Revenue Bonds, \$40.19 million Consulting Engineers Report, Series 2001; Utility System Revenue Bonds, \$27.27 million Water and Wastewater Utility Master Plan (2005)

City of Orlando, Florida

Research Park Economic Impact Evaluation (2005)

Collier County, Florida

Utility Regulatory Services – Orangetree Utilities (2004)

St. Johns County, Florida

Utility Regulatory Services - Intercoastal Utilities (2002, 2005)

Pasco County, Florida

Acquisition Feasibility Program (2001) Acquisition of East Pasco Utilities and Forrest Hills Utilities (2002) Utility Valuation of Lindrick Utilities and Hudson Utilities (2004) Comprehensive Water, Wastewater and Reclaimed Water Rate and Charge Study (2003, 2007) Reclaimed Water Rate Study (2005) Water, Wastewater, and Reclaimed Water Impact Fee Review (2005) Series 2006 Water and Sewer Refunding Revenue Bonds, \$71.16 million



Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-1 Page 3 of 3 Resume

City of Orange City, Florida

Impact Fee Review (2004) Revenue Sufficiency Study (2006)

City of Naples Florida

Reclaimed Water Project Assessment and Funding Program (2006) Comprehensive Water, Wastewater and Reclaimed Water Rate Study (2007) Stormwater Utility Financial Review (2007)

City of Minneola, Florida

Water Impact Fee Update (2006) Stormwater Utility Rate Study (2006)

Florida State Attorney General (Office of Public Counsel) Utility Regulatory Services – Aqua America Utilities (2007)

PAPERS AND PRESENTATIONS

"Water and Wastewater Impact Fees: An Overview" Florida Rural Water Association, Utility Management Training, April 4, 2005.

EXHIBIT ATW-2

USED AND USEFUL METHODOLOGY

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-2 Page 1 of 4 U&U Methodology

EXHIBIT ATW-2

USED AND USEFUL METHODOLOGY

1. <u>Water Treatment Systems</u>

Since water treatment systems are comprised of several major components, the used and usefulness of water systems should be considered on a component basis. Principally, the components of water treatment systems consist of the source of supply and treatment, system storage and high service pumping. In most cases in Florida the source of supply for a water system are its wells. Most downstream treatment processes be it RO, softening, filtration, etc. are sized to meet the well capacity. Also in many cases the well pumps may also serve as high service pumps, pressurizing the transmission and distribution system. Storage is present in some systems to provide equalization and other volume during peak demand events. In these cases the storage tanks are drained by high service pumps that convey the water to customers and pressurize the system.

The importance of evaluating each major component of a water treatment plant for used and useful purposes is to ensure that no specific component is oversized and therefore not providing service to the utility's customers.

Unaccounted for water is defined as the difference between the amount of water that is measured leaving the water treatment plant and the amount of water billed to customers plus non-billed water that is accounted for. It is generally accepted practice that the amount of water leaving a plant that is greater than 10% of the amount sold or otherwise accounted for is considered to be excessive unaccounted for water and should be considered in water used and useful calculations.

The U&U rationale for each major water treatment component is as follows:

A. Wells and Treatment

Water Treatment includes all facilities such as wells and treatment excluding storage and high service pumps as discussed below. The used and usefulness of the water treatment component is determined by dividing the peak demand by the firm capacity of the water treatment component. The firm capacity of the water treatment system is equal to the pumping capacity of the wells with the largest well out of service for those systems with more than one well.

The peak demand for water treatment without storage is the peak hour demand of the system which is defined as the single maximum day demand of the test year times a

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-2 Page 2 of 4 U&U Methodology

peaking factor ranging between 1.5 to 2.0, excluding excessive unaccounted for water, plus a factor for growth allowance. In instances where the single maximum day demand is the result of an anomalous event such as a fire or line break the peak hour demand is defined as the average of the 5 highest days of the maximum month of the test year times a peaking factor ranging between 1.5 to 2.0, excluding excessive unaccounted for water, plus a growth allowance.

The peak demand for water treatment with storage is the single maximum day of the test year excluding excessive unaccounted for water, plus a factor for growth allowance and if provided any fire flow requirement by local governmental authority that exceeds storage capacity. In instances where the single maximum day demand is the result of an anomalous event such as a fire or line break the peak demand is defined as the average of the 5 highest days of the maximum month of the test year excluding excessive unaccounted for water, plus a growth allowance, and if provided any fire flow requirement by local governmental authority that exceeds storage capacity.

B. Storage

Storage in terms of U&U includes non-pressurized tanks whose primary function is to provide water during daily fluctuations of system demands. High service pumps downstream of the tanks convey the stored water to the transmission and distribution system. Where the centerline of the high service pumps are located above the tank bottom 90% of the total tank volume is considered useable. The used and usefulness of the storage tank is considered the peak demand divided by the adjusted tank volume.

Peak demand for storage tanks consists 25% of the utility's maximum day demand, excluding excessive unaccounted for water, plus a growth allowance, plus fire flow if provided based on local governmental authority requirement.

In instances where the single maximum day demand is the result of an anomalous event such as a fire or line break the peak demand for storage tanks consists of 25% of the utility's average of the 5 highest days of the maximum month of the test year, excluding excessive unaccounted for water, plus a growth allowance, plus fire flow if provided based on local governmental authority requirement.

C. High Service Pumps

High service pumps are the pumps that pressurize the water distribution system and provide water service to the system customers. High service pumps can either be well pumps or in the case of water treatment facilities with storage they can be a separate set of pumps. The used and usefulness of high service pumps is determined by dividing the peak demand for the high service pumps by the firm capacity of the high service pumps. Firm capacity of high service pumping is equivalent to the total pumping capacity of the high service pumps, excluding the largest high service pump for those systems with more than one high service pump.

The peak demand for high service pumping is the greater of:

- a. The peak hour demand of the system, where peak hour is defined as the single maximum day demand of the test year times a peaking factor ranging between 1.5 to 2.0, excluding excessive unaccounted for water, plus a growth allowance, or,
- b. The maximum day demand excluding excessive unaccounted for water, plus a growth allowance, plus fire flow if provided and based on local governmental authority requirement.

In both of the above cases where the single maximum day demand is the result of an anomalous event such as a fire or line break the average of the 5 highest days of the maximum month of the test year may be used for the maximum day demand.

2. <u>Wastewater Treatment Systems</u>

The used and useful calculations for wastewater treatment systems are specifically addressed in Chapter 25-30.432, F.A.C., which states that the used and usefulness shall be based on the same period or basis as the period or basis stated in the current operating permit issued by the FDEP. For example if the operating permit is based on annual average daily flow then the numerator for the used and useful calculations shall be based on the annual average daily flow of the test year. The denominator for the used and useful calculation shall be the permitted annual average daily flow of the test year.

The numerator for the used and useful analysis consists of the test year required flow basis as stated in the operating permit less excess infiltration and inflow, plus the five year growth factor. The formula for used and useful for wastewater treatment systems is:

U&U=((Test year flow - excess I/I) + 5 year growth factor)/FDEP Permitted capacity

3. Water Distribution and Wastewater Collection Systems

Used and usefulness for the water distribution and wastewater collection system follows the Public Service Commission's policy of comparing the total existing connections to the total possible connections in the system. Total existing connections are determined from the data in the required system maps submitted by the utility. Similarly total possible connections are

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-2 Page 4 of 4 U&U Methodology .

determined by counting the total number of lots or parcels that have frontage along water distribution or wastewater collection lines. In some cases it is necessary to adjust this methodology to account for the length of customer services. The formula for water distribution and wastewater collection systems is:

U&U= (Total existing connections + 5 year growth factor)/Total available connections.

EXHIBIT ATW-3

WATER USED AND USEFUL

System	Treatment		Storage		High Service		Notes	
System	Firm Capacity	U&U	Firm Capacity	U & U	Firm Capacity	U & U	1	
8 Estates	80	100.00%	NA	NA	NA	NA		
9th Street Villas	75	97.35%	NA	NA	NA	NA	Marion System	
medondo Combined	NA	74.52%	NA	NA	NA	NA Ma	1	
eecher's Point	NA	0.00%	NA.	NA.	NA NA	NA	Marian Sustem	
elleaire	92	100.00%	NA	NA	NA NA	NA .	Marion System	
ellview Hills Estates	200	100.00%	INA. NA	NA ·	NA	NA.	Marion System	
cliview Hills	200	45 7 494	200 214	NA	NA NA	NA		
amon vinage	70	63 38%	NA	NA	NA	NA	Marion System	
hubuts	1250	48.88%	405.000	54.31%	1950	62.66%	System does not have sufficient by drants to provide.	
ast Lake Harris	100	59.94%	NA	NA	NA	NA	Interconnected with Friendly Center	
airfax Hills	70	100.00%	NA	NA	NA	NA	Marion System	
em Terrace	180	72.38%	NA	NA	NA	NA		
riendly Center	100	59.94%	NA	NA	NA	NA	Interconnected with East Lake Harris	
iibsonia Estates	180	81.68%	NA	NA	NA	NA		
rand Terrace	600	13.10%	NA	na	NA	NA		
aines Creek	90	78.52%	NA	NA	NA	NA		
armony Homes	NA.	0.00%	NA I	NA	DA	NA NA	Interconnected	
awks Point	185	28.62%	NA 000 pp	1XA 2010 02	4M 160	46 88%	Interconnected with St Johns Highlands	
ermits Cove	120	40%	1,000 NA		NA	0.0070 NA	Fire Flow cannot be provided	
obby rillis	130 NA	0.00%	NA .	NA	NA NA	NA	Interconnected	
normal Mobile Terrace	100	40.48%	NA	NA	NA.	NA	Fire Flow cannot be provided	
nterlachen - Park Manor	180	32.98%	27.000	79.14%	150	79.14%	See Subschedule below	
asmine Takes	520	51.42%	450,000	21.39%	1100	48.61%	See Subschedule below	
unglDen	NA	0.00%	NA	NA	NA	NA .	Interconnected	
ings Cove	225	100.00%	NA	NA	NA	NA	Fire Flow	
ingswood	NA	0.00%	NA	NA 🐪	NA	~`NA	Interconnected	
ake Gibson Estates	400	100.00%	NA	NA	NA	NA		
cisure Lakes	50	74.79%	9,000	100.00%		35.96%		
ake Osbourne Estates	NÁ	0.00%	NA	NA	NA	NA	Interconnected	
farion Hills	50	38.47%	NA	NA	NA	NA	Marion System	
lomingview	423	7.35%	NA	NA	NA	NA NA	International	
Jakwood	NA	97 019/	374	313	JVA NA	NA NA	Marton System	
Cala Caks (Combined)	107	100.00%	NA.	NA	NA	NA	() () () ()	
nange Hill - Sugai Cicca	130	13 22%	NÅ	NA	NA	NA		
alm Port	80	30.80%	18.000	49.29%	140	35.20%		
alm Terrace	NA	0.00%	NA	NA	NA	NA	Interconnected	
icciola Island	100	92.62%	NA	NA	NA	NA		
omona Park	35	100.00%	NA	NA	NA	NA		
incy Woods	300	18.46%	45,000	44_30%	300	36.91%		
uail Ridge	650	82.12%	NA	NA [NA	NA	Fire Flow can be provided	
lavenswood	90	48.38%	NA	NA	NA	NA IO		
Lidgeview	90	45.38%	NA	NA	NA	NA	Marion System	
liver Grove	125	28.65%	16,200	79.58%	170	42.15%	See PROSCIEGATE DETOR	
losalie Oaks	. 250	12.15%	NA	NA 60 0097	NA 160	1NA A6 9994	Setemanneoled with Hermits Cove	
t Johns Highlands	100	17759/	27,000 65 700	100.00%	-070	£7 80%	See Subschedule below	
coring Lakes-Lake Josephin	2025	74 86%	58 500	100.00%	2600	100.00%	Fire Flow	
ING Lake Esiales	74	15 53%	10 800	38.83%	920	62.89%	See Subschedule below	
hvu pasta Ceno.	175	47.25%	NA	NA	NA	NA	Fire Flow cannot be provided	
tone Mountain	100	9.36%	NA	NA.	NA	NA		
ummit Chase	100	100.00%	NA	NA	NA	NA	Fire Flow can be provided	
unny Hills Combined	710	42.16%	63,000	100.00%	700	100%	See Subschedule below	
angerine	250	100%	NA	NA .	NA	NA	Fire Flow cannot be provided	
omoka-Twin Rivers	, NA	29.15%	NA	100.00%	NA	82%	See Subschedule below	
alenica Terrace	250	100%	NA	NA	NA	NA	Fire Flow can be provided	
enctian Village	100	95:75%	NA .	NA	NA	NA		
illage Water	NA	0.00%	NA	NA	NA Den	NA 21 TON	INECOMECIEO	
Welaka Saratgoa Harbour		41.71%	43,200	SSN245%	- ∠ōU ▶! ^		Marian System	
Westview	70	27.04%	NA NA	NA.	NA NA	NA NA	Marion System	
Woodbury Forest	70 50	100.00%	NA A 290	100.000	10A 1 CK	0 2702	See Subschefule below	
WOOICOS	20	017%	1,020	100.00%	102	17.97%	See Subschedule below	
ITC WOOLS			100 Contraction (1997)			NUMBER OF		

NARUC Acot

Application Methodology

304.2 305.2 306.2 307.2 309.2 310.2 311.2 339.2 304.3 311.3 320.3 339.3 330.4

304.4 311.4

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 2 of 69 Water Used/Useful

Term Capacity Note 12 & U Firm Capacity Note 12 & U Firm Capacity Note 12 & U Firm Capacity Note 12 & U NA	System	Treatu	nent	Storage		High Service		
B Enter No O.00% NA NA NA NA NA Verdendo Combined NA 25.45% NA NA NA NA Bescherfs Pomt NA 100.00% NA NA NA NA Bescherfs Pomt 92 0.00% NA NA NA NA Bescherfs Pomt 200 5.25% NA NA NA NA Bescherfs Pomt 200 5.62% NA NA NA NA Chappell Hill 70 0.02% NA NA NA NA Chalosia 100 40.05% NA NA NA NA Frincell (200 40.05% NA NA NA NA NA Frincell (200 40.05% NA NA NA NA NA Frincell (200 40.05% NA NA NA NA NA Frincell (200 60.05% NA NA <t< th=""><th>System</th><th>Firm Capacity</th><th>Non U & U</th><th>Firm Capacity</th><th>lon U & U</th><th>Firm Capacity 1</th><th>ion U & U</th></t<>	System	Firm Capacity	Non U & U	Firm Capacity	lon U & U	Firm Capacity 1	ion U & U	
99b Steed Villas 75 2.53% NA NA NA NA NA Seecher (Pour) NA 100.00% NA NA NA NA Seecher (Pour) NA 100.00% NA NA NA NA Selbriser Hills Enstres 20 0.075 NA NA NA NA Selbriser Hills Enstres 200 3.476% NA NA NA NA Carlon Village 200 3.476% NA NA NA NA Chappell Hill 70 0.055 NA NA NA NA Chappell Hill 70 0.055 NA NA NA NA Parlare Hills 70 0.055 NA NA NA NA Pinder Kills 70 0.055 NA NA NA NA Pinder Kills 70 0.055 NA NA NA NA Pinder Threne 180 10.055	48 Estates	80	0.00%	NA	NA	NA	NA NA	
Vardendic Combund NA IXA IXA <thixa< th=""></thixa<>	49th Street Villas	75	2.65%	NA	NA NA	NA NA	NA NA	
Secture A trans. S2 0.074 NA NA NA NA Bellview Hills Existes 200 5.25% NA NA NA NA Bellview Hills Existes 200 3.476% NA NA NA NA Carlion Village 200 3.476% NA NA NA NA Chaubois 1250 51.12% 405000 45.694 1.950 37.4% Earl Late Harris 100 40.05% NA NA NA NA Princh Conte 100 40.05% NA NA NA NA Genome Ensites 180 27.62% NA NA NA NA Genome Ensites 180 14.050% NA NA NA NA Harmon Homes NA 100.05% NA NA NA NA Harmon Homes NA 100.05% NA NA NA NA Harmon Homes 100 50.25%	Arredondo Combined	NA NA	100.00%	NA	NA	NA	NA	
Ballow Billio eration Diamond Same NA NA NA NA Belview Hills 200 54.76% NA NA NA NA Chappel Hill 70 36.524 NA NA NA NA Chappel Hill 70 36.524 NA NA NA NA Earl Lake Harts 100 40.6255 NA NA NA NA Frind Picture 180 2.76.275 FRA NA NA NA Frind Picture 180 2.76.275 FRA NA NA NA Gend Terrace 600 86.075 NA NA NA NA Harring Yilong 700 2.148% NA NA NA NA Harring Yilong 700 5.0075 7.7007 50.075 110 51.37 Harring Yilong NA 1.00075 NA NA NA NA Harring Yilong NA	Beechers Pomi Dellegive	92	0.00%	NA	NA	NA	NA	
Delview Hills 70 0.00% NA NA NA NA NA NA Cheppell Hill 70 36.62% NA NA NA NA NA Cheppell Hill 70 36.62% NA NA NA NA NA Chaubotai 100 40.655 NA NA NA NA NA Farlace 100 40.655 NA NA NA NA NA Farlace 100 40.655 NA NA NA NA NA NA Farlace 100 40.655 NA NA NA NA NA Gibbonia Ensites 180 162.224 NA NA NA NA Grant Chener 90 21.48% NA NA NA NA Hardon Chene 150 75.00% 27.000 50.00% 160 51.39% Hender Farec 100 00.22% NA NA	Bellview Hills Estates	200	5.25%	NA	NA	NA	NA	
Carlins Village 200 34.36% 2NA NA NA NA NA Chappell Hill 70 56.62% NA	Bellview Hills	70	0.00%	NA	NA	NA	NA	
Chappell Hill 70 36.62% NA	Carlton Village	200	34.76%	NA	NA	NA	NA	
Challotis L20 J1.12% Rubbes J1.000 J1.0000 J1.0000 <thj1.000< td=""><td>Chappell Hill</td><td>70</td><td>36.62%</td><td>NA 405 000</td><td>NA 45.60%</td><td>NA 1 050</td><td>NA 37 34%</td></thj1.000<>	Chappell Hill	70	36.62%	NA 405 000	NA 45.60%	NA 1 050	NA 37 34%	
Earl Lake Harrs DOI TOUS NA NA NA NA NA Perin Cirrace 180 27,62% NA NA NA NA Princhly Center 100 40,05% NA NA NA NA Gibson Estate 180 18,32% NA NA NA NA Haines Circle 90 21,48% NA NA NA NA Haines Circle 90 21,48% NA NA NA NA Harwas Point 185 41,15% NA NA NA NA Herwis Point 185 41,15% NA NA NA NA Herwis Point 185 41,000% NA NA NA NA Hobby Hills 150 50.228.4 NA NA NA NA Hobby Hills 150 50.228.4 NA NA NA NA Hobby Hills 160 67.02% 27,000	Chuluota	1250	31.12%	403,000	43.05% NA	NA	NA	
Partial Nulls Bots 27.02% NA NA NA NA NA Friendly Center 100 40.06% NA NA NA NA Sinspail Essites 180 14.32% NA NA NA NA Ginspail Essites 180 14.32% NA NA NA NA Ginspail Essites 50 21.48% NA NA NA NA Harmony Homes NA 100.00% NA NA NA NA Hobby Hills 150 50.0252 NA NA NA NA Hobby Hills 150 50.2274 NA NA NA NA Hobby Hills 100 50.2274 Z1,000 28.674 NA NA NA Interlicken 52.0 46.5554 450,000 75.513 11.00 51.874 Jungil Den NA 100.00% NA NA NA NA Late Globon Estate	East Lake Hams		0.00%	NA	NA	NA	NA	
Triendly Control 100 40.0655 NA NA NA NA NA Ginson Ensure 180 18.225 NA NA NA NA Rand Terned 600 86.50% NA NA NA NA Haines Christ 90 21.48% NA NA NA NA Harmont Homes NA 100.00% NA NA NA NA Hermite Cove 150 75.00% 27.000 50.00% 160 51.15% Hobby Hilli 150 30.22% NA NA NA NA Hobby Hilli 150 30.22% NA NA NA NA Interistion. Fark Manoy 180 67.02% 27.000 28.61% 1.100 51.25% Jungi Den NA 100.00% NA NA NA NA Lake Gibnion Estate 90.00 0.00% Z2.5 2.02% NA NA NA Lake Gibnion Est	Fairlax Allis	180	27.62%	NA	NA ·	NA	NA	
Glassmit Estats 180 13.22% NA NA NA NA NA Grand Terrax 90 21.49% NA NA NA NA NA Hannes Cure' 90 21.49% NA NA NA NA NA NA Hannes Cure' 185 41.15% NA NA NA NA NA Hendis Cov 450 75.00% 27.000 50.07% NA NA NA NA Hendis Cov 450 30.22% NA	Friendly Center	100	40.06%	NĂ	NA	NA	NA	
Grand Terrace 600 85.0% NA NA NA NA NA NA NA Hamory Homes NA 100.00% NA NA NA NA NA Harwis Point 165 41.15% NA NA NA NA Herwis Cove 455 75.00% 27.000 50.00% 160 53.13% Hobby Hills 1.50 30.22% NA NA NA NA Holdsy Haren NA 100.00% NA NA NA NA Imerickens 52.0 46.55% 450.000 76.51% 11.00 51.39% Jungt Deri NA 100.00% NA NA NA NA Jungt Deri NA 100.00% NA NA NA NA Lake Gibson Erates 50 25.21% 30.00 0.00% NA NA NA Lake Gibson Erates 50 25.21% NA NA NA NA	Gibsonia Estates	180	18,32%	NA	NA	NA	NA	
Haines Creaci 90 11.48% NA NA NA NA NA Harmony Tomos NA 100.00% NA NA NA NA NA Harwis Point 165 41.15% NA NA NA NA NA Hermits Cove 150 30.92% NA NA NA NA NA Hobby Hillid 150 30.92% NA NA NA NA NA Homperial Mobito Erratice 100 59.52% NA NA NA NA NA Ingeriadaba - Park Matory 180 67.02% 27.000 30.85% 11.00 51.09% Jamgi Den NA 100.00% NA NA NA NA Laingt Lakes 50 2.52.15% 9.000 NA NA NA Lake Obourne Estates NA 100.00% NA NA NA NA Lake Obourne Estates NA 100.00% NA NA	Grand Terrace	600	86.90%	NA	NA	NA	NA NA	
Barmony Hones NA	Haines Creek	90	21.48%	NA NA	NA NA	NA	NA	
Harvis Form 152 71.005 27.005 50.005 160 53.13% Hebby Hills L50 30.023% NA NA NA NA NA Hobby Hills L50 30.023% NA NA NA NA NA Hobby Hills L50 30.025% NA NA NA NA Imperial Mobile Terrate 100 59.52% NA NA NA NA Immerialses 520 46.585 450,000 78.51% 1.100 51.89% Jamgi Den NA 100.00% NA NA NA NA Lake Gribton Estates 50 25.21% 9.000 0.00% NA NA NA Lake Gribton Estates NA 100.00% NA NA NA NA Calso List Commond NA 100.00% NA NA NA NA Lake Gribton Estates NA 100.00% NA NA NA NA	Harmony Homes	NA 195	41 15%	NA NA	NA	NA	NA	
NA NA NA NA NA NA NA Holdsy Havn NA NA NA NA NA NA NA NA Holdsy Havn NA NA NA NA NA NA NA NA InneriadAbility Havn 180 67.022% 27.000 20.85% 150 20.88% Jasmine Lakes 520 48.55% 45.0000 78.51% 1.100 51.95% Jungi Dei NA 100.00% NA NA NA NA NA Kings Core 223 0.00% NA NA NA NA NA Lake Osboume Estats 400 D0.00% NA NA NA NA Lake Osboume Estats 104 100.00% NA NA NA NA Marion Hills 50 61.53% NA NA NA NA Oakwood NA 100.00% NA NA NA NA <	Hawks Point	150	75.00%	27,000	50.00%	160	53.13%	
Holday Havm NA IOO NA NA NA NA Imperial Mobile Terrace 100 59.52% NA NA NA NA NA Imperial Mobile Terrace 100 59.52% NA NA<	Hebby Hills	150	30.92%	NA	NA	NA	NA	
Imperial Mobile Terrare 100 59:52% NA NA NA NA Interfacton – Park Manoy 180 67:029 77:000 20:86% 150 20:86% Istimine Lakes 520 48:58% 450,000 78:51% 1.100 51.99% Jungt Den NA 100,00% NA NA NA NA Kings Core 223 0.00% NA NA NA NA Lake Obsourd Estates 400 0.00% NA NA NA NA Lake Obsource Estates NA 100.00% NA NA NA NA Morningréev 425 92.45% NA NA NA NA Ocala Obsource Estates 100 0.00% NA NA NA NA Ocala Obsource Combined) NA 12.97% NA NA NA NA Orange Hill - Super Creak 107 0.00% NA NA NA NA Orange Kill -	Holiday Haven	NA	100.00%	NA	NA	NA	NA	
Interlishcher Park Manoy 180 67.02% 27,000 20.86% 150 20.86% Jasmme Lakes 520 46.5854 450,000 76.514% 1.100 51.99% Jasme Lakes NA 100.00% NA NA NA NA NA NA Kings Cove 225 0.00% NA NA NA NA NA Kings Cove 225 0.00% NA NA NA NA NA Lake Obsoure Estates 400 0.00% NA NA NA NA Lake Obsoure Estates NA 100.00% NA NA NA NA Oalwood NA 100.00% NA NA NA NA Orange Hill Suger Creek 130 86.78% NA NA NA NA Palm Ferrot 80 62.01% 18.000 50.71% 140 64.80% Palms MEP 130 86.78% NA NA NA NA<	imperial Mobile Terrace	100	59.52%	NA	NA	NA	NA	
Jamme Lakes 520 #45.8% 430,000 #A8.1% 1,400 1,435 Jungi Den NA 100,00% NA NA NA NA Kings Cove 223 0,00% NA NA NA NA Kings Cove 223 0,00% NA NA NA NA Lake Colboon Estates 60 0.00% NA NA NA NA Lake Cobourne Estates NA 100.00% NA NA NA NA Marion Hills 50 61.53% NA NA NA NA Marion Hills 50 61.53% NA NA NA NA Ocala Oaks (Combunet) NA 10.00% NA NA NA NA Orange Hill Suger Creek 107 0.00% NA NA NA NA Paim Port 80 69.20% NA NA NA NA Paim Soff RA 100.00%	Interlachen - Park Manor	180	67.02%	27,000	20.85%	150	20.86%	
Jung Den NA 00.00% NA NA NA NA NA Kings Cove 223 0.00% NA NA NA NA NA Kings Cove 223 0.00% NA NA NA NA Lake Cobourne Estates 400 0.00% NA NA NA NA Marion Hills 50 61.33% NA NA NA NA NA Marion Hills 50 61.33% NA NA NA NA NA Calse Odourne Estates NA 100.00% NA NA NA NA NA Calse Odo bined) NA 12.99% NA NA NA NA NA Ocals Odos (Combined) NA 100.00% NA NA NA NA NA Ocals Odos (Combined) NA 100.00% NA NA NA NA Pain Terace NA 100.00% NA NA NA </td <td>Jasmine Lakes</td> <td>520</td> <td>48.58%</td> <td>450,000</td> <td>/8.01% NA</td> <td>1,100 NA</td> <td>NA</td>	Jasmine Lakes	520	48.58%	450,000	/8.01% NA	1,100 NA	NA	
Kings tove Dial Duolos NA NA NA NA NA NA NA Lake Gibson Estates 50 2521% 9.000 0.00% NA NA NA Lake Cohome Estates NA 100.00% NA NA NA NA Marion Hills 50 61.53% NA NA NA NA Morningstew 425 92.65% NA NA NA NA Ocalwood NA 100.00% NA NA NA NA NA Orange Hill - Suger Oreek 107 0.00% NA NA NA NA Palms MEP 130 86.78% NA NA NA NA <t< td=""><td>Jungi Den</td><td>NA. 778</td><td>100.00%</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td></t<>	Jungi Den	NA. 778	100.00%	NA	NA	NA	NA	
Augustica 400 D.00% NA NA NA NA NA NA Lake Gibson Estates 50 25.21% 3.000 0.00% 208 64.04% Lake Obbourne Estates NA 100.00% NA NA NA NA NA Marion Hills 50 61.53% NA NA NA NA NA Oalwood NA 100.00% NA NA NA NA NA Oala Oaks (Combuned) NA 12.99% NA NA NA NA Orala Oaks (Combuned) NA 12.99% NA NA NA NA Orala Oaks (Combuned) NA 12.99% NA NA NA NA Palms MER 100 0.00% NA NA NA NA Palins MER 100 7.38% NA NA NA NA Poinona Park 35 0.00% NA NA NA NA	Kings Love	NA	100.00%	NA	NA	NA	NA	
Leisure Lakes 50 25218 9.000 0.00% 288 64.04% Lake Obsourte Estates NA 100.00% NA NA NA NA Marion Hills 50 61.53% NA NA NA NA NA Morningview 625 92.45% NA NA NA NA NA Ocala Oaks (Combuned) NA 100.00% NA NA NA NA NA Orange Hill - Sugar Orbeix 107 0.00% NA NA NA NA NA Palm MilP 130 86.78% NA NA NA NA NA Palm Terroce NA 100.00% NA NA NA NA NA NA Pomona Park 35 0.00% NA NA NA NA NA NA Quait Ridge 650 17.88% NA NA NA NA Romona Park 35 0.00% <td< td=""><td>Lake Gibson Estates</td><td>400</td><td>0.00%</td><td>NA</td><td>NA</td><td>NA</td><td>NA .</td></td<>	Lake Gibson Estates	400	0.00%	NA	NA	NA	NA .	
Lake Obourne Estates NA 100.00% NA NA NA NA NA NA Marion Hills 50 61.53% NA NA NA NA NA Marion Hills 50 61.53% NA NA NA NA NA NA Oalswood NA 12.9% NA NA NA NA NA Orange Hill Sugar Creek 107 0.00% NA NA NA NA NA Palm MEP 130 86.78% NA NA NA NA NA NA Palm Terroc NA 100.00% NA NA NA NA NA Palm Terroc NA 100.00% NA NA NA NA NA Palm Terroc NA 100.00% NA NA NA NA Palm Terroc NA 100 7.88% NA NA NA NA Palm Terroc S00	Leisure Lakes	50	25.21%	9,000	0.00%	208	64.04%	
Marion Hills 50 61.53% NA NA NA NA NA Morningview 425 92.45% NA NA NA NA NA NA Ocalwood NA 100.00% NA NA NA NA NA NA Orange Hill Sugar Orack 107 0.00% NA NA NA NA NA Palms MEIP 130 86.78% NA NA NA NA NA NA Palms MEIP 130 86.78% NA NA NA NA NA NA Palms Terrace NA 100 7.38% NA NA NA NA NA Pincy Woods 500 650 17.88% NA NA NA NA NA Ravershood 90 54.62% NA NA NA NA NA River Grove 125 71.35% 16.200 20.42% 170	Lake Osbourne Estates	NA	100.00%	NA	NA	NA	NAC 3	
Mormingview 425 92453 NA	Marion Hills	50	61.53%	NA	NA	NA NA	NA NA	
Oakwood NA Dubwood NA	Morningview	425	92.45%	NA Na	NA -	NA	NA	
Oranger Kill - Sugar Oreck 107 D.00% NA	Oakwood	NA	12.99%	NA	NA	NA	NA	
Pains Mill? L30 86.78% NA NA NA NA NA Pains Mill? 80 69.20% 18,000 50.71% 140 64.80% Pain Terrace NA 100 7.38% NA NA NA NA Pains Terrace NA 100 7.38% NA NA NA NA Picoida Siand 100 7.38% NA NA NA NA Priney Woods 050 81.54% 45,000 57.07% 300 63.09% Quait Rige 650 17.88% NA NA NA NA River Grove 125 71.35% 16.200 20.42% 170 57.87% River Grove 125 71.35% 16.200 20.42% 170 57.87% Stichney Highlands 150 75.00% 27.000 50.00% 220 37.11% Stiver Lakes Extatis 2025 25.14% 58.300 0.00% 2600 0.00% </td <td>Orange Hill - Sugar Creek</td> <td>107</td> <td>0.00%</td> <td>NA</td> <td>NA .</td> <td>NA</td> <td>NA 🛛</td>	Orange Hill - Sugar Creek	107	0.00%	NA	NA .	NA	NA 🛛	
Paim Port 80 69.20% 18,000 50.71% 140 64.80% Paim Terrace NA 100.00% NA SA SA SA SA <td>Palms MHP</td> <td>130</td> <td>86.78%</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td>	Palms MHP	130	86.78%	NA	NA	NA	NA	
Palm Terrock NA 100.00% NA	Palm Port	80	69.20%	18,000	50.71%	140		
Piccial sland 100 7.8% NA	Palm Terrace	NA	100.00%	NA	NA	NA NA	NA NA	
Pomona Park 33 Bubble 043,000 55,70% 300 61,09% Quail Ridge 650 17,88% NA NA NA NA Quail Ridge 650 17,88% NA NA NA NA Ravenswood 90 51,62% NA NA NA NA Ridgeview 90 54,62% NA NA NA NA NA River Grove 125 71,35% 16,200 20,42% 170 57,87% Store Takes 250 87,82% NA NA NA NA Store Takes 150 75,00% 27,000 50,00% 2600 0,00% Stiver Lakes Extates 725 52,75% NA NA NA NA Store Mountain 100 90,64% NA NA NA NA Summy Hills Combined 710 57,84% 63,000 0.00% 700 0.00% 700 0.00% 700	Picciola Island	100	7_18%	NA NA	NA NA	NA	NA	
Piney woods O TAB NA	Pomona Park	200	81 54%	45.000	55 70%	300	63.09%	
Quark Nog. 90 51 62% NA NA NA NA NA River Grove 105 51 62% NA NA NA NA NA River Grove 125 71 35% 16 200 20,42% 170 57 87% Rosalle Oaks 250 87 82% NA NA NA NA St Johns Highlands 150 75 00% 27 000 50.00% 160 33.13% Sthorg Lakes Lake Josephine 1630 82.25% 65 700 0.00% 26 60 0.00% Stiver Lakes Daks 75 84.47% 10.800 6117% 920 37.11% Stycerest 175 52.75% NA NA NA NA NA Store Mountain 100 90.64% NA NA NA NA NA NA Storest 175 52.75% NA	Piney woods	650	17.88%	NA	NA	NA	NA	
Ridgeview 90 54 62% NA NA NA NA River Grove 125 71 35% 16,200 20.42% 170 57.87% Rosalie Daks 250 87.82% NA NA NA NA NA Sching Lakes Lake Josephine 150 75.00% 27.000 50.00% 160 53.13% Sching Lakes Lake Josephine 1630 82.25% 65.700 0.00% 220 37.11% Stiver Lakes Eatars 2025 25.14% 58.500 0.00% 2.600 0.00% 2.600 0.00% 2.600 0.00% 2.600 0.00% 37.11% Sigerst 175 52.75% NA N	Ravenswood	90	51.62%	NA	NA	NA	NA	
River Grove 125 71 355% 16,200 202,22% 170 53,87% Rosalic Oaks 250 87,82% NA NA NA NA Stilons Highlands 150 75,00% 27,000 50,00% 520 37,11% Schning Lakes Lake Josephine 1630 82,25% 65,700 0,00% 520 37,11% Silver Lakes Oaks 75 84,47% 10,800 61,17% 920 37,11% Skyerest 175 52,75% NA NA NA NA Stommut Chase 100 90,64% NA NA NA NA Summy Hills Combined 710 57,84% 63,000 000% 700 0.00% Tangerine 250 0,00% NA NA NA NA Valenca Terrace 250 0,00% NA NA NA NA Valenca Terrace 250 0,00% NA NA NA NA Valenca Terrace<	Ridgeview	90	54.62%	NA	NA	NA	NA	
Rosalic Oaks 250 87.82% NA SU SU Store Lakes Exists 2025 25.14% S8.500 0.00% 2600 0.00% SU	River Grove	125	71.35%	16,200	20.42%	170	57.87%	
St Johns Highlands 150 75.00% 77.00% 70.00% <t< td=""><td>Rosalie Oaks</td><td>250</td><td>87.82%</td><td>NA</td><td>NA 60.00%/</td><td>IA0</td><td>52 13%</td></t<>	Rosalie Oaks	250	87.82%	NA	NA 60.00%/	IA0	52 13%	
Schung Lakes-Lake Josephine 10:0 22.14 % 38.500 0.00% 2.600 0.00% Silver Lakes Dates 75 84.47% 10.800 61.17% 920 37.11% Silver Lakes Dates 75 84.47% 10.800 61.17% 920 37.11% Silver Lakes Dates 75 82.47% 10.800 61.17% 920 37.11% Store Moundain 100 90.64% NA NA NA NA Summit Chase 100 0.00% NA NA NA NA Summit Chase 200 0.00% NA NA NA NA Summit Chase 200 0.00% NA NA NA NA Tangerine 250 0.00% NA NA NA NA Valenica Terrace 250 0.00% NA NA NA NA Velatica Saratigo Harbour 110 58.29% 43.200 61.76% 280 67.23% W	St Johns Highlands	150	/3.UU% 03.35%	27,000	0.00%	920	37.11%	
Silver Jacks Oakis 75 84.47% 10,800 61.17% 920 37.11% Skyernst 175 \$2,75% NA NA NA NA Store Mountain 100 90.64% NA NA NA NA Store Mountain 100 90.64% NA NA NA NA Summit Chase 100 0.00% NA NA NA NA Summit Chase 100 0.00% NA NA NA NA Summit Chase 100 0.00% NA NA NA NA Summit Chase 250 0.00% NA NA NA NA Tangerine 250 0.00% NA NA NA NA Valenica Terrace 250 0.00% NA NA NA NA Valenica Terrace 250 0.00% NA NA NA NA Village Water NA 100.00% NA <	Sebring Lakes Lake Josephine	2025	75.14%	58,500	0.00%	2,600	0.00%	
Silverest 175 52,75% NA Silverest	Silver Lakes Estates	75	84.47%	10,800	61.17%	920	37.11%	
Stone Mountain 100 90.64% NA NA NA NA Summy Hills Combined 100 0.00% NA NA NA NA Summy Hills Combined 710 57.64% 63,000 0.00% 700 0.00% Tangerine 250 0.00% NA NA NA NA Valencia Terrace 250 0.00% NA NA NA Valencia Terrace 70 0.00% NA NA NA Velatic Stringe Harbour 110 58.29% 43.200	Skycrest	175	52.75%	NA	NA	NA	NA	
Summit Chase 100 0.00% NA NA NA NA Summit Chase 710 57.84% 63.000 0.00% 700 0.00% Tangerine 250 0.00% NA NA NA NA Tomoka-Twin Rivers NA 70.85% NA 0.00% NA NA Valenica Terrace 250 0.00% NA NA NA NA Venetian Village 100 4.25% NA NA NA NA Village Water NA 100.00% NA NA NA NA Westriew 70 72.96% NA NA NA NA Woodbury Forst 70 0.00% NA NA NA NA Woodbury Forst 20 61.70% 1.620 0.00% 155 90.18% The Woods 100 90.83% 2.250 0.00% 102 2.03%	Stone Mountain	100	90.64%	NA	NA	NA	NA	
Summy Hills Combined 710 57,84% K3,000 UDW 700 0.003 Tangerine 250 0.005% NA NA NA NA NA Tomoka Tornac 250 0.005% NA NA NA NA NA NA Valenica Terrace 250 0.005% NA NA NA NA NA Valenica Terrace 250 0.005% NA	Summit Chase	100	0.00%	NA	NA	NA TOO	NA 7.00%/	
Tangerine 20 0.00% NA 0.00% NA 1.73% Tomoka-Twin Rivers NA 70.85% NA 0.00% NA NA 70.73% Valenca Terrace 250 0.00% NA NA NA NA Valenca Terrace 250 0.00% NA NA NA NA Valenca Terrace 250 0.00% NA NA NA NA Venctian Village 100 4.25% NA NA NA NA Velata Sarragea Harbour 110 58.29% 43.200 61.76% 280 67.23% Westriew 70 72.56% NA NA NA NA Woodbury Forst 70 0.00% NA NA NA NA Woodbury Forst 20 \$1.70% 1.620 0.00% 156 90.18% The Woods 100 90.83% 2.250 0.00% 102 82.03% The Woods 5	Sunny Hills Combined	. 710	57.84%	63,000 NIA	100% NA	700 NA	NA	
Iomose Jwill Avers IAN	Tangerine	250 NTA	70 8444	NA	0.00%	NA	17.78%	
Automatical Village 100 4.25% NA NA NA NA NA Village Water* NA 100.00% NA NA NA NA NA Welstview 110 58.29% 43.200 61.76% 280 67.23% Westview 70 72.96% NA NA NA NA Woodbury Forest 70 0.00% NA NA NA NA Woodbury Forest 20 61.70% 1.620 0.00% 156 90.18% The Woods 100 90.83% 2.250 0.00% 102 82.03%	1 omoka-J will Kivers	250	0.00%	NA	NA	NA	NA	
Village Water NA 100.00% NA NA NA NA Welska Sarzigon Harbour 110 58.29% 43.200 61.76% 280 67.23% Westview 70 72.96% NA NA NA NA Woodbury Forest 70 0.00% NA NA NA NA Woodbury Forest 20 61.70% 1.620 0.00% 155 90.18% Wootexas 100 90.83% .2.250 0.00% 102 82.03% The Woods 50 81.41% NA NA NA NA	Venetian Village	100	4.25%	NA	NA	NA	NA	
Welaka Saratgos Harbour 110 58 29% 43.200 61.76% 280 67.23% Westview 70 72.96% NA NA NA NA Woodbury Forest 70 0.00% NA NA NA NA Wootens 20 61.70% 1.620 0.00% 156 90.18% The Woods 100 90.83% 2.250 0.00% 102 82.03% The Woods 50 81.41% NA NA NA NA	Village Water	NA	100.00%	NA	NA	NA	NA	
Westview 70 72.96% NA NA NA NA Woodbury Forest 70 0.00% NA NA NA NA Woodbury Forest 70 0.00% NA NA NA NA Woodbury Forest 20 61.70% 1.620 0.00% 156 90.18% The Woods 100 90.83% 2.250 0.00% 102 82.03% Testing Florest 500 81.41% NA NA NA	Welaka Saratgoa Harbour	110	58.29%	43,200	61.76%		67.23%	
Woodbury Forest 70 0.00% NA NA NA NA Wootmas 20 61.70% 1.620 0.00% 156 90.18% The Woods 100 90.83% 2.250 0.00% 102 82.03% The Woods 500 81.41% NA NA NA	Westview	70	72.96%	NA	NA	NA	NA NA	
Wootcas 20 51/07* 1020 50/07* 102 82/07* The Woods 100 90.83% 2,250 0.00% 102 82/03% The Woods 500 81.41% NA NA NA	Woodbury Forest	70	0.00%	NA 1 con	NA 0.004/	NA 156	۸۸۲ %% 1 () و	
Technology NA NA NA NA	Wootens	100	01.70% 90 83%	2.250	0,00%	102	82.03%	
	Inc WOODS	500	B1.41%	NA	NA	NA	NA	

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 3 of 69 Water Used/Useful

1

3

4

48 Estates

Average Day Flow (gpd) Maximum Day Flow (gpd) Calculated Peak Hour Flow (gpd) Peak Factor	24,300 64,780 129,560 2
Average Day Flow (gpm)	17
Calculated Peak Hour Flow (gpm)	90
Peak Factor	2
UNACCOUNTED FOR WATER AD	JUSTMENT
UAW 2	21% 2
Excess 1	2.1%
UAW Adjustment (gpm)	2.0
Adjusted Flows	
Maximum Day Flow (gpm)	43
Calculated Peak Hour Flow (gpm)	86
GROWTH ADJUSTMENT	
An. ERC Growth	0.33%
Period	7
Growth Factor	1.02
Adjusted Flows	
Maximum Day Flow (gpm)	44
Calculated Peak Hour Flow (gpd)	88
Required Fire Flow (gpm)	0
Wells	
80 gpm gpm	5
Total 80	
Firm 80	
Treatment Used and Useful	
Firm Capacity (gpm)	80
Peak Hour Flow (gpm)	88

Notes

1. MFRs identify the test year Max Day as 64,900 on Oct 19 rather than 104,000 on Oct 25

100.00%

1. Used average of 5 highest days in the max month of October

2. from MFRs Document 1218-07

3. from MFRs

Used and Useful

4. from MFRs Document 10956-06

5. from MFRs Document 937-07

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 4 of 69[°] Water Used/Useful

Arredondo Combined

			Weighting
System	Connections	Used and Useful	Factor
Arredondo Estates	255	100.00%	255.00
Arredondo Farms	431	59.44%	256.21
Total	686		511.21
Averaged Used and Useful			74.52%

1

3

Arredondo Estates

Average Day Flow (gpd)	55,184
Maximum Day Flow (gpd)	104,000
Calculated Peak Hour Flow (gpd)	208,000
Peak Factor	2
Average Day Flow (gpd)	38
Maximum Day Flow (gpd)	72
Calculated Peak Hour Flow (gpd)	144
Peak Factor	2
Views and for Water Adjustment	
Unaacounted for water Adjustment	5 50/ 2
Excess	0.0%
Excess	0.076
Adjustment (gpm)	-
Adjusted Flows	
Maximum Day Flow (gpm)	72
Calculated Peak Hour Flow (gpd)	144
Required Fire Flow (gpm)	
-	
Wells	M100 .
	20 gpm 4
	20 gpm 4
Total 24	10
Firm 12	20
Treatment Used and Useful	
Firm Capacity (gpm)	120
Peak Hour Flow (gpm)	144
Used and Useful	100.00%

Notes:

1. from MOR Analysis; MFRs are combined for Arredondo Estates and Farms

2. from MFRs Document 10941-06

3. from MFRs Document 10941-06

4. from Sanitary Survey and Field Inspections. MFRs show 420 and 370
1

3

Arredondo Farms

Average Day Flow (gpd)	59,200
Maximum Day Flow (gpd)	107,000
Calculated Peak Hour Flow (gpd)	214,000
Peak Factor	2
	(1
Average Day Flow (gpd)	41
Maximum Day Flow (gpd)	/4
Calculated Peak Hour Flow (gpd)	149
Peak Factor	. 2
Unaacounted for Water Adjustment	
I AW	5,5% 2
Excess	0.0%
2.0055	
Adjustment (gpm)	-
Adjusted Flows	
Maximum Day Flow (gpm)	74
Calculated Peak Hour Flow (gpd)	149
Required Fire Flow (gpm)	
Walls	
250	gpm 4
300	gpm 4
Total 550	
Firm 250	
Treatment Used and Useful	
Firm Capacity (gpm)	250
Peak Flow (gpm)	149
Used and Useful	59.44%
0000 and 00000	

Notes:

1. from MOR Analysis; MFRs are combined for Arredondo Estates and Farms

2. from MFRs Document 10941-06

3. from MFRs Document 10941-06

4. From Sanitary Survey and field insptections

1

4

Carlton Village

Average Day Flow (gpd)	52,305
Maximum Day Flow (gpd)	82,187
Calculated Peak Hour Flow (gpd)	164,374
Peak Factor	2
Average Day Flow (gpm)	36
Maximum Day Flow (gpm)	57
Calculated Peak Hour Flow (gpd)	114
Peak Factor	2
UNACCOUNTED FOR WATER AD	JUSTMENT
UAW	14.0% 2
Excess	4.0%
UAW Adjustment (gpm)	1.5
Adjusted Flows	
Maximum Day Flow (gpm)	55.6
Calculated Peak Hour Flow (gpd)	111.2
GROWTH ADJUSTMENT	
An. ERC Growth	2.47%
Period	7
Growth Factor	1.17
Adjusted Flows	
Maximum Day Flow (gpm)	65
Calculated Peak Hour Flow (gpd)	130
Required Fire Flow (gpm)	Ō
Wells	
200	gpm 5
Total 400	or
Firm 200	
Treatment Used and Useful	
Firm Capacity (gpm)	200
Peak Hour Flow (gpm)	130
Used and Useful	65.24%

Notes

1. In the MFRs a test year max day of 85,767 on March 13 rather than 109,000 on June 24

1. Used average of 5 highest days in the max month of March

2. from MFRs Document 1218-07

3. from MFRs

4. from MFRs Document 10947-06

5. from MFRs Document 937-07

Chuluota

Average Day Flow (gpd) Maximum Day Flow (gp Calculated Peak Hour Fl Peak Factor	d) low (gpd)	384,087 651,700 1,303,400 2	2				
Average Day Flow (gpm))	267					
Maximum Day Flow (gp	m)	453					
Calculated Peak Hour F	low (gpd)	905					
Peak Factor		2					
UNACCOUNTED FOR	WATER ADJ	USTMENT					
UAW Excess		2,2% 3					
UAW Adjustment (gpm))	-					
Adjusted Flows							
Maximum Day Flow (gp	m)	453					
Calculated Peak Hour F	low (gpd)	905					
GROWTH ADJUSTME	INT						
An. ERC Gro	wth	5%	4				
Period		7					
Growth Facto	r	1.35					
Adjusted Flows							
Maximum Day Flow (gp	em)	611					
Calculated Peak Hour F	Jow (gpd)	1,222					
Required Fire Flow (gp)	m)	750	5				
Wells				HSP3		Storage	
					6	Volume	450,000 gals
	500 gpm	6		500	6	Adjust	0.9
	500 gpm	6		500	0	Usable volume	405,000 gais
	200 gpm	6		350	6	May Day (gal)	\$79.795 mais
<u>a jandali di</u> Total	1750 gpm	. 0		2450	U	Factor	0.25
Firm	1750			1950		Max Day Volume	219.949 gals
						Fire Flow	- gpm
Treatment Used and Us	eful					Fire Flow Duration	2 hrs
			Test I			Fire Volume	- gals
Firm Capacity (gpm)	1	1,250	Firm Capacity (gpm)	1,950			
Max Day (gpm)		611	Peak Hour Flow (gpm)	1,221.9		Total	219,949 gals
Adjusted Max Day Used and Useful	48	611 8.88%	Used and Useful	62.66%		Used and Useful	54.31%
			Test 2				
			Firm Capacity (gom)	1,950			
			Max Day (gpm)	611			
			Fire Flow (gpm)	750			
			Peak Flow	1,361			
			Used and Useful	70%			

Notes

 System does not have sufficient hydrants to provide fire flow throughout the entire svc area from NFR s Document 10996-06
 from NFRs Document 10996-06

4. MFRs show 12.44%

5. from MFRs Document 10996-06

6. from from San. Sur. totals match MFRs Document 937-07

7. from from San. Sur.

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 9 of ⁶9 Water Used/Useful

East Lake Harris - Friendly Center

Average Day Flow (gpd)		20,575
Maximum Day Flow (gpd)		41,800
Calculated Peak Hour Flow (gpd)		83,600
Peak Factor		2
		14
Average Day Flow (gpm)		14
Maximum Day Flow (gpm)		29
Calculated Peak Hour Flow (gpd)		58
Peak Factor		2
UNACCOUNTED FOR WATER A	DJUSTM	ENT
UAW	11.6%	
Excess	1.6%	
2,0033		
UAW Adjustment (gpm)	-	0.2
Adjusted Flows	•	
Maximum Day Flow (gpm)		29
Calculated Peak Hour Flow (gpd)		58
GROWTH ADJUSTMENT		
An. ERC Growth		0.58%
Period		7
Growth Factor		1.04
Adjusted Flows		
Maximum Day Flow (gpm)		30
Calculated Peak Hour Flow (gpd)		60
Required Fire Flow (gpm)		
Wells		
100 gpm		7
200 mm		8
Total 300		•
Firm 100		
Film 100		
Treatment Used and Useful		
Firm Canacity (com)	100	
Peak Hour Flow (mm)	60	
Lead and Lizaful	50 0/%	
Used and Userui	JJ.7470	

1

6

from MFRs Document 10948-06 matches combined MORs
 from MFRs Document 1218-07
 from MFRs Document 10949-06
 from MORs
 from MFRs F-9
 from MFRs Document 10948-06
 from MFRs Document 1217-07 East Lake Harris well

8. from MFRs Document 937-07 Friendly Center well

UAW (E Lk Harris)	-3.5%	2
UAW(Fri. Cntr)	34.7%	3
Test Year ADF (E Lk Harris)	13,194	4
Test Year ADF (Fri Cntr)	8,670	4
Weighted UAW	11.6%	

Growth Analysis		
2005 ERCs East Lake Harris	172	5
2005 ERCs Friendly Cntr	25	5
Annual ERC growth ELH	0.03%	5
Annual ERC growth Friendly Cntr	4.40%	5
Weighted growth	0.58%	

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 10 of 69 Water Used/Useful

Fern Terrace

Average Day Flow (gpd)	35,884
Maximum Day Flow (gpd)	93,800
Calculated Peak Hour Flow (gpd)	187,600
Peak Factor	2
Average Day Flow (gpm)	25
Maximum Day Flow (gpm)	65
Calculated Peak Hour Flow (gpd)	130
Peak Factor	2
UNACCOUNTED FOR WATER A	DJUSTMENT
UAW	7,4% 2
Excess	0.0%
UAW Adjustment (gpm)	-
Adjusted Flows	
Maximum Day Flow (gpm)	65
Calculated Peak Hour Flow (gpd)	130
GROWTH ADJUSTMENT	
An. ERC Growth	0%
Period	7
Growth Factor	1.00
Adjusted Flows	
Maximum Day Flow (gpm)	65
Calculated Peak Hour Flow (gpd)	130
Required Fire Flow (gpm)	
Wells	
180 gpm	5
gpm	
Total 180	
Firm 180	
Treatment Used and Useful	
Firm Capacity (gpm)	180
Peak Hour Flow (gpm)	130
Used and Useful	72.38%

1

3

4

Notes:

from MFRs Document 10950-06
 from MFRs Document 10950-06
 MFRs show -0.28%
 from MFRs Document 10950-06
 from MFRs Document 1217-07

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 11 of 69 Water Used/Useful

Gibsonia Estates

Average Day Flow (gpd)	50,189
Maximum Day Flow (gpd)	88,200
Calculated Peak Hour Flow (gpd)	176,400
Peak Factor	2
Average Day Flow (gpm)	35
Maximum Day Flow (gpm)	61
Calculated Peak Hour Flow (gpd)	123
Peak Factor	2
UNACCOUNTED FOR WATER A	ADJUSTMENT
UAW	6.6% 2
Excess	0.0%
UAW Adjustment (gpm)	-
Adjusted Flows	
Maximum Day Flow (gpm)	61.3
Calculated Peak Hour Flow (gpd)	122.5
GROWTH ADJUSTMENT	
An. ERC Growth	2.86%
Period	7 ·
Growth Factor	1.20
Adjusted Flows	
Maximum Day Flow (gpm)	74
Calculated Peak Hour Flow (gpd)	147
Required Fire Flow (gpm)	
Wells	
305 gpm	5
Total 485	J
Firm 180	
Treatment Used and Useful	
Firm Capacity (gpm)	180
Peak Flow (gpm)	147
Used and Useful	81.68%

1

3

4

1. Used average of 5 highest days in the max month of April

2. from MFRs Document 10981-06

3. from MFRs

Notes

4. from MFRs Document 10981-06

5. Diasagree.from MFRs Document 1217-07; Flows shown based on onste O&M manual

Grand Terrace

Average Day Flow (gpd)	28,767
Maximum Day Flow (gpd)	56,600
Calculated Peak Hour Flow (gpd)	113,200
Peak Factor	2
Average Day Flow (gpm)	20
Maximum Day Flow (gpm)	39
Calculated Peak Hour Flow (gpd)	79
Peak Factor	2
UNACCOUNTED FOR WATER	ADJUSTMENT
UAW	7.1% 2
Excess	0.0%
UAW Adjustment (gpm)	-
Adjusted Flows	
Maximum Day Flow (gpm)	39
Calculated Peak Hour Flow (gpd)	79
GROWTH ADJUSTMENT	
An. ERC Growth	0%
Period	7
Growth Factor	1.00
Adjusted Flows	
Maximum Day Flow (gpm)	39
Calculated Peak Hour Flow (gpd)	79
Required Fire Flow (gpm)	
Wells	5
Total 600	
Firm 600	
Treatment Used and Useful	
Firm Capacity (gpm)	600
Peak Hour Flow (gpm)	79
Used and Useful	13.10%
1. from MFRs 10951-06	
2. from MFRs 10951-06	
3. MFRs show a -0.34%	

1

0

4

. .

Notes

4. from MFRs 10951-06 5. from MFRs 1217-07

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 13 of 69 Water Used/Useful

Haines Creek

Average I	Day Flow (gpd)		17.510
Maximum	Day Flow (gpd)	100	44,800
Calculate	d Peak Hour Flow (gpd	`	89 600
Peak Fact	or	•	2
Average L	ay Flow (gpm)		12
Maximum	Day Flow (gpm)		31
Calculate	d Peak Hour Flow (gpm	ı)	62
Peak Fact	or		2
UNACCO	UNTED FOR WATER	ADJUSTI	MENT
	UAW	5.0%	2
	Excess	0.0%	-
UAW Adj	ustment (gpm)		-
Adjusted]	Flows		
Maximum	Day Flow (gpm)		31.1
Calculated	l Peak Hour Flow (gpm)	62.2
GROWTH	I ADJUSTMENT		
	An. ERC Growth		1.94%
	Period	111	7
	Growth Factor		1.14
Adjusted I	Flows		
Maximum	Day Flow (gpm)		35
Calculated	Peak Hour Flow (gpd)	i i i i i i i i i i i i i i i i i i i	71
Required 1	Fire Flow (gpm)		
		1.00	
Wells	likte onlanden som som som som som som		
	90 gpm	L	5
_	gpm	l	
Total	90		
Firm	90		
Treatment	Used and Useful		
Firm Capac	ty (gpm)	90	
Peak Flow	(gpm)	71	
Used and U	seful	78.52%	

1

3

4

1. from MFRs Document 10954-06

Notes

2. from MFRs Document 10954-06

3. MFRs show 1.94% but indicate that the service area is builtout

4. from MFRs Document 10954-06

5. from MFRs Document 10954-06

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 14 of 69 Water Used/Useful

Harmony Homes

Average Day Flow (gpd) Maximum Day Flow (gpd)	
Peak Factor	2
Average Day Flow (gpm) Maximum Day Flow (gpm) Calculated Peak Hour Flow (gpd)	
Peak Factor	2
UNACCOUNTED FOR WATER	ADJUSTMENT
	6.8% from MFRs Document 10998-06 0.0%
UAW Adjustment (gpm)	
Adjusted Flows Maximum Day Flow (gpm) Calculated Peak Hour Flow (gpm)	• • •
GROWTH ADJUSTMENT An. ERC Growth	.0% MFRs show -0.21%
Period	7
Giowui Factor	1.00
Adjusted Flows Maximum Day Flow (gpm) Calculated Peak Hour Flow (gpd)	-
Required Fire Flow (gpm)	-
Wells	
Total 0 Firm 0	
Treatment Used and Useful	
Firm Capacity (gpm) Peak Flow (gpm) Used and Useful #D	- DIV/0!

Notes: Check for Harmony Interconnect

Dockel No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 15 of 69 Water Used/Useful

Hermits Cove

Average Day Flow (gpd) Maximum Day Flow (gpd) Calculated Peak Hour Flow Peak Factor	17,144 	1			,	
Average Day Flow (gpm)	12					
Maximum Day Flow (gpm)	38					
Calculated Peak Hour Flow	r (gpm) 75					
Peak Factor	2					
UNACCOUNTED FOR W	ATER ADJUSTMENT					
UAW	-28.8% 2					
Lincos	0,020					
UAW Adjustment (gpm)	-					
Adjusted Flows						
Maximum Day Flow (gpm)	37.5					
Calculated Peak Hour Flow	r (gpd) 75.0					
GROWTH ADJUSTMENT	г .					
An. ERC Growth	0%	3				
Period	7					
Growth Factor	1.00					
Adjusted Flows						
Maximum Day Flow (gpm)	38					
Calculated Peak Hour Flow	r (gpd) 75					
Required Fire Flow (gpm)		4				
Wells			HSP:		Storage	
- Think and the second s			160	5	Volume	30,000 gals
1	50 gpin 5		160	5	Adjust	0.9
	одран э Одран				Usable Volume	27,000 gais
	_0 gpm				Max Day (gal)	54,000 gals
Total 3	00		320		Factor	0.25
Finn I	50		160		Max Day Volume	13,500 gals
Transformed Bland and Blands					Fire Flow	- gpin
Treatment Osed site Oreld	•	Test I			Fire Volume	
Firm Capacity (upm)	150	Firm Canacity (upm)	160		The volume	- Fers
Max Day (gpm)	38	Peak Hour Flow (gpm)	75.0		Total	13.500 gals
Adjusted Max Day Used and Useful	38 25.00%	Used and Useful	46.88%		Used and Useful	50.00%
		Test 2				
		Firm ('anacity (open)	160			
		Max Day (gnm)	38			
		Fire Flow (gpm)	0			
		Peak Flow	38			
		Used and Useful	23%			

Notes:

1 from MFRs Document 10987-06 2. from MFRs Document 1218-07

2. Rom Mi Ks Document 1210407
 3. MFRs show -0.15%
 4. from MFRs Document 10987-06
 5. from MFRs Document 937-07

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 16 of 69 Water Used/Useful

Hobby Hills

Average Day Flow (gpd)	26,131	
Maximum Day Flow (gpd)	78,160	2
Calculated Peak Hour Flow (gpd)	156,320	
Peak Factor	2	
Average Day Flow (gpm)	18	
Maximum Day Flow (gpm)	54	
Calculated Peak Hour Flow (gnd)	109	
Peak Factor	2	
I CAR I MCIOI	-	
UNACCOUNTED FOR WATER	AD.IUSTMENT	
IIAW	23.6% 3	
Excess	13.6%	
LACCSS	15.070	
UAW Adjustment (gpm)	2.5	
Cittin (12)		
Adjusted Flows		
Maximum Day Flow (gpm)	52	
Calculated Peak Hour Flow (gnd)	104	
Calculated Form from (gp-)		
GROWTH ADJUSTMENT		
An ERC Growth	0%	4
Period	7	
Growth Factor	1.00	
Glowarracion	1.00	
Adjusted Flows		
Maximum Day Flow (mm)	52	
Calculated Deals Hour Flow (gpin)	104	
Calculated Feak Hour Flow (gpu)	104	
Dequired Fire Flow (apm)	500	
Required File Flow (gpm)		
Walls		
Wells	6	
	6	
T-4-1 225	0	
10tal 323		
Firm 150		
Turneturnet Kingd and Kingful		
Treatment Used and Userdi		
	1.50	
Firm Capacity (gpm)	150	
Peak Flow (gpm)	104	
Used and Useful	69.08%	
Test 2		
Firm Capacity (gpm)	150	
Max Day (gpm)	52	
Fire Flow (gpm)	500	
Peak Flow (gpm)	552	

5

Notes

1. The system maps show no fire hydrants or sufficiently sized lines to provide fire flow

100%

2. From MFRs 10952-06

3. from MFRs Document 1218-07

4. MFRs show -0.15%

Used and Useful

5. From MFRs Document 10952-06

Use gallons sold to approximate test year flows

632

758

834

598 753

492

469

406 426

418

511

574 6871

1.5

18,825

28,237

Jan

Feb

Mar

Apr

May

Jun

Jul Aug

Sep

Oct Nov

Dec

Tot ADF (gpd)

4

5

MDF/ADF

MDF (gpd)

Imperial Mobile Terrace

Average Day Flow (gpd)	18,825	
Maximum Day Flow (gpd)	28,237	
Calculated Peak Hour Flow (gpd)	56,474	
Peak Factor	2	
Average Day Flow (gpm)	13	
Maximum Day Flow (gpm)	20	
Calculated Peak Hour Flow (gpm)) 39	
Peak Factor	, , , , , , , , , , , , , , , , , , , ,	
	-	
UNACCOUNTED FOR WATER	ADJUSTMENT	
UNACCOUNTED FOR WATER	K17/202 3	
Excess	Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ	
EXCESS	0.076	
UAW Adjustment (gpm)	-	
Adjusted Flows		
Maximum Day Flow (mm)	19.6	
Calculated Peak Hour Flow (gpd)	39.2	
Calculated I can Hour Flow (gpu)	57.2	
CROWTH AD HISTMENT		
A - EBC Growth	0 7202	
All ERC Glowin	U.4076	
Penod	1	
Growth Factor	1.03	
Adjusted Flows		
Maximum Day Flow (gpm)	20	
Calculated Peak Hour Flow (gpd)	40	
	-00 ¹	
Required Fire Flow (gpm)	500	
XX 7 _ 11 _		
vy ells	,	
400 gpm	. 6	
gpm	6	
Total 500		
Firm 100		
Treatment Used and Useful		
Test 1		
Firm Capacity (gpm)	100	
Peak Flow (gpm)	40	
Used and Useful	40.48%	
Test 2		
Firm Capacity (gpm)	100	
Max Day (gpm)	20	
Fire Flow (gpm)	500	
Peak Flow (gpm)	520	
NEW /		

Notes

1. MOR data inaccurate due to unknown interconnection with City of Tavares

2. The system maps show no fire hydrants or sufficiently sized lines to provide fire flow

3. from MFRs Document 1218-07

4. MFRs show 0.46%

5. from MFRs Document 10955-06

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 19 of 69 Water Used/Useful

Imperial Mobile Terrace

a subscription of the subs

6. from MFRs Document 937-07

Interlachen - Park Manor

Average Day Flow (gpd)	65,461					
Maximum Day Flow (gpd)	106,487	. I				
Calculated Peak Flow (gpd)	212,974					
Penk Factor	2					
Average Day Flow (gpm)	45					
Maximum Day Flow (gpm)	74					
Calculated Peak Flow (apm)	148					
Peak Factor	2					
UNACCOUNTED FOR WAT	ER ADJÜSTMENT					
UAW	42.1% 2					
Excess	32.1%					
UAW Adjustment (gpm)	14.6					
Adjusted Flows						
Maximum Day Flow (gpm)	594					
Calculated Peak Hour Flow (g	pd) 118.7					
GROWTH ADJUSTMENT						
An. ERC Growth	0%	3				
Period	7					
Growth Factor	1.00					
Adjusted Flows						
Maximum Day Flow (ppm)	59					
Calculated Peak Hour Flow (g	pd) 119					
Required Fire Flow (gpm)		4				
Wells			HSPs		Storage	
					Volume	30,000 gals
180	gpin 5		150	5	Adjust	0.9
180	gpin 5		150	5	Usable Volume	27,000 gels
9	gpm					
0	gpm				Max Day (gal)	85,474 gals
Total 360			300		Factor	0.25
Firm 180			150		Max Day Volume	21,369 gals
					Fire Flow	- gpm
Treatment Used and Useful					Fire Flow Duration	2 hrs
		Test 1			Fire Volume	- gals
Firm Capacity (gpm)	180	Firm Capacity (gpm)	150			-
Max Day (gjun)	59	Peak Hour Flow (gpm)	118.7		Total	21,369 gals
Adjusted Max Day	59					
Used and Useful	32,98%	Used and Useful	79.14%		Used and Useful	79.14%
		Test 2				
		Firm Copacity (gpm)	150			
		Max Day (gpm)	59			
		Fire Flow (gpm)	-			
		Peak Flow	59			
		Used and Useful	40%			

5

Notes;

1 Used average of 5 highest days in the max month of March 1. MFR use max day flow of 122,200 on Mar 8 unsteal of 126,600 on Sep 30 2. from MFRs Document 1218-07

3. MFRs show -1.01%

4. From MFRs Document 10988-06 5. from MFRs Document 937-07

Jasmine Lakes

Average Day Flow (gpd)	289,057				
Maximum Day Flow (gpd)	385,000	1			
Calculated Peak Hour Flow (gp	a) //0,000				
Peak Factor	2				
Average Day Flow (gpm)	201				
Maximum Day Flow (gpm)	267				
Calculated Peak Hour Flow (gp	m) 535				
Peak Factor	2				
UNACCOUNTED FOR WATE	R ADJUSTMENT				
UAW	1.4% 2				
Excess	0.0%				
UAW Adjustment (gpm)	-				
Adjusted Flows					
Maximum Day Flow (gpm)	267.4				
Calculated Peak Hour Flow (gp	m) 534.7				
GROWTH ADJUSTMENT					
An. ERC Growth	0 00%	3			
Period	7				
Growth Factor	1.00				
Adjusted Flows					
Maximum Day Flow (pom)	267				
Calculated Peak Hour Flow (gp	d) 535				
Required Fire Flow (gpm)		4			
Wells			HSP3	Storage	
				Volune	500,000 gals
260 g	pm		800	Adjust	0.9
260 g	pm		800	Usable Volume	450,000 gals
260 g	pm		300		· •
E S	PD1			Max Day (gal)	385,000 gais
Total 780	5		1900	5 Factor	0.25
Firm statements \$20	5		1100	5 Max Day Allowance	96,250 gals
				Fire Flow	- gpm
Treatment Used and Useful				Fire Flow Duration	2 hrs
				Fire Volume	- gals
Firm Capacity (gpm)	520	Firm Capacity (gpm)	1,100		
Max Day (gpm)	267	Pcak Flow (gpm)	534,7	Total	96,250 gals
Fire Flow (gpm)	-				
Adjusted Max Day	267				
Used and Useful	51.42%	Used and Useful	48.61%	Used and Useful	21.39%

Notes

1. MFRs use max day of 470,000 on Sept 23 rather than 610,000 on Aug 1 1. Used average of 5 highest days in the max month of September 2, from MFRs Document 10978-06 3. MFRs show 0.02% but indicate service area is built out 4. from MFRs Document 10978-06

5. from MFRs Document 937-07

.

Kings Cove

Average Day Flow (gpd) Maximum Day Flow (gpd) Calculated Peak Hour Flow (gpd) Peak Factor) 38	36,620 92,000 34,000 2	1
Average Day Flow (gpm) Maximum Day Flow (gpm) Calculated Peak Hour Flow (gpm Peak Factor	ı)	60 133 267 2	·
UNACCOUNTED FOR WATER UAW Excess	6.8% 0.0%	NT 2	
UAW Adjustment (gpm)			
Adjusted Flows Maximum Day Flow (gpm) Calculated Peak Hour Flow (gpm	1)	133 267	
GROWTH ADJUSTMENT An. ERC Growth Period Growth Factor		0% 7 1.00	3
Adjusted Flows Maximum Day Flow (gpm) Calculated Peak Hour Flow (gpd)	133 267	
Required Fire Flow (gpm)		500	4
Wells 300 gp 225 gp	m m	5 5	
Total 525 Firm 225			
Treatment Used and Useful			
Test 1	225		
Prim Capacity (gpm) Peak Flow (gpm)	223		
Used and Useful	100.00%		
Test 2			
Firm Capacity (gpm)	225		
Max Day (gpm)	133		
Fire Flow (gpm)	500		
reak riow (gpm)	100%		
USED AND USET DI	10070		

3

Notes

1. from MFRs Document 10957-06 2. from MFRs Document 10957-06

3. MFRs show 0.49% but indicate service area is built out

4. from MFRs Document 10957-06

5. from MFRs Document 1217-07

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 23 of 69 Water Used/Useful

Lake Gibson Estates

Average Day Flow (gpd)	237,458
Maximum Day Flow (gpd)	389,600 1
Calculated Peak Hour Flow (gpd)	779,200
Peak Factor	2
Average Day Flow (gpm)	165
Maximum Day Flow (gpm)	2/1
Calculated Peak Hour Flow (gpm)	541
Peak Factor	2
UNACCOUNTED FOR WATER	ADJUSTMENT
Test Year UAW	14.9% 2
Excess IIA W	49%
Exclass On W	
UAW Adjustment (gpm)	8.1
Adjusted Flows	· · · · · · · · · · · · · · · · · · ·
Maximum Day Flow (gpm)	262.5
Calculated Peak Hour Flow (gpd)	525.0 3
CROWTH ADJUSTMENT	
An ERC Growth	0.61% From MFRs
Reriod	7
Growth Factor	1 04
Giowin i zeloi	1.04
Adjusted Flows	
Maximum Day Flow (gpm)	274
Calculated Peak Hour Flow (gpd)	547
Required Fire Flow (gpm)	-
*** 11	
Weils	r.
/00 gpm	1 D
gpm	i 5
Total 1100	
Firm 400	
Treatment Used and Useful	
A cathiont Cold and Collin	
Firm Capacity (gpm)	400
Peak Flow (gpm)	547
Used and Useful	100.00%

Notes

1. MFRs use 370,497 for max day in stead of 492,000 on May 1

1. Used average of 5 highest days in the max month of May

2. from MFRs Document 1218-07

3. from MFRs Document 1217-07

4. From MFRs

5. from MFRs Document 1217-07

Leisure Lakes

Average Day Flow (gpd) Maximum Day Flow (gpd) Colombiad Book Hone Flow (gud)	32,117 55,400	ì				
Peak Factor	2					
Average Day Flow (gpm)	22					
Maximum Day Flow (gpm)	38					
Calculated Peak Hour Flow (gpm)	77					
Peak Factor	2					
UNACCOUNTED FOR WATER	ADJUSTMENT					
UAW	32.1% 2					
Excess	22.1%					
UAW Adjustment (gpm)	- 4.9	•				
Adjusted Flows						
Maximum Day Flow (gpm)	- 33.5					
Calculated Peak Hour Flow (g	- 67.1					
GROWTH ADJUSTMENT						
An, ERC Growth	1.64%	3				
Period	7					
Growth Factor	1.11					
Adjusted Flows						
Maximum Day Flow (gpm)	37					
Calculated Peak Hour Flow (gpd)	75					
Required Fire Flow (gpm)	- 01005553	4				
Wells			HSPs		Storage	
			0.000.000.02.020	_	Volume	10,000 gal
200 gpm	1 5		208	5	Adjust	0.9
50.gpm	ı 3		208	3	Usable volume	9,000 ga
gpn					May Day (gal)	53.847 ea
T-1-1 250			416		Factor	0.25
101au 230 Firm 50			208		Max Day Allowance	13.462 zal
			200		Fire Flow	- goi
Treatment Used and Useful					Fire Flow Duration	2 hrs
					Fire Volume	- gal
Firm Capacity (gpm)	50	Firm Capacity (gpm)	208			
Max Day (gpm)	37	Peak Flow (gpm)	74.8		Total	13,462 gal
Fire Flow (gpm)	-					
Adjusted Max Day	37					
Used and Useful	74,79%	Used and Useful	35.96%		Used and Useful	100.00%

Notes

- MFRs use 107,000 on June 29 for max day instead of 125,000
 Used average of 5 highest days in the max month of Oct
 from MFRs Document 1218-07

- 3. From MFRs
- 4. from MFRs Document 10945-06 5. from MFRs Document 937-07

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 25 of 69 Water Used/Useful

Morningview

Average Day Flow (gpd) Maximum Day Flow (gpd) Calculated Peak Flow (gpd) Peak Factor	7,072 23,100 1 46,200 2
Average Day Flow (gpm) Maximum Day Flow (gpm) Calculated Peak Flow (gpm) Peak Factor	5 16 32 2
UNACCOUNTED FOR WATEL UAW Excess	R ADJUSTMENT 9.6% 2 0.0%
UAW Adjustment (gpm)	
Adjusted Flows Maximum Day Flow (gpm) Calculated Peak Hour Flow (gpc	16.0 d) 32.1
GROWTH ADJUSTMENT An. ERC Growth Period Growth Factor	0% 3 7 1.00
Adjusted Flows Maximum Day Flow (gpm) Calculated Peak Hour Flow (gpd	16 d) 32
Required Fire Flow (gpm)	4
Wells	pm from MFRs Document 937-07
Total 425 Firm 425	
Treatment Used and Useful	
Firm Capacity (gpm)	425
Peak Flow (gpm)	32
Used and Useful	7.55%
1. from MFRs Document 10959-	-06

2. from MFRs Document 10959-06

Notes

3. MFRs show -0.75%

4. from MFRs Document 10959-06

5. from MFRs Document 937-07

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 26 of 69 Water Used/Useful

Ocala Oaks

			Weighting
System	Connections	Used and Useful	Factor
49th Street Villas	102	97.35%	99.30
Bellaire	218	100.00%	218.00
Bellveiw Hills	114	100.00%	114.00
Bellview Hills Estates	324	94.75%	306.99
Chappell Hill	41	63.38%	25.99
Fairfax Hills	86	100.00%	86.00
Hawks Point	57	58.85%	33.54
Marion Hills	29	38.47%	11.16
Ocala Oaks	595	82.77%	492.48
Ridgeview	34	45.38%	15.43
Westview	30	27.04%	8.11
Woodbury Forest	56	100.00%	56.00
Total	1686		1467.00
Averaged Used and Useful			87.01%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 27 of 69 Water Used/Useful

4

Ocala Oaks

Average Day Flow (gpd))	162,046	
Maximum Day Flow (gr	od)	328,400	1
Calculated Peak Flow (g	gpd)	656,800	
Peak Factor		2	
Average Day Flow (gpm	ı)	113	
Maximum Day Flow (gr	om)	228	
Calculated Peak Flow (g	gpm)	456	
Peak Factor		2	
UNACCOUNTED FOR	WATER ADJ	USTMENT	
UAW	17	.4% 2	
Excess	7	.4%	
UAW Adjustment (gpm)	8.3	
Adjusted Flows			
Maximum Day Flow (gr	om)	219.7	
Calculated Peak Hour H	low (gpm)?	439.5	
GROWTH ADJUSTMI	ENT		
An. ERC Gro	wth	1.32%	3
Period		7	
Growth Facto	r	1.09	
Adjusted Flows			
Maximum Day Flow (g	om)	240	
Calculated Peak Hour I	Flow (gpd)	480	
Required Fire Flow (gp	m)		
Wells			
	280 gpm	5	
	340 gpm	5	
	<u>300</u> gpm	5	
Total	920		
Firm	580		
Treatment Used and Us	eful		
Firm Capacity (gpm)		580	
Peak Flow (gpm)		480	
Used and Useful	82.	77%	

Notes

1. MFRs use 310,000 on May 27 as Max day instead of 555,000 on May 3

1. Used average of 5 highest days in the max month of May

2. from MFRs Document 1218-07

3. From MFRs

4. From MFRs Document 10975-06

5. Response to Staff POD No. 31

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 28 of 69 Water Used/Useful

49th Street Villas

Average Day Flow (gpd)	25,340	
Maximum Day Flow (g	pd)	50,000	
Calculated Peak Hour	Flow (gpd)	100,000	
Peak Factor		2	
Average Day Flow (gpn	n)	18	
Maximum Day Flow (g	pm)	35	
Calculated Peak Hour	Flow (gpd)	69	
Peak Factor		2	
UNACCOUNTED FOR	R WATER A	DJUSTMENT	
UAW		17.4%	
Excess		7.4%	
UAW Adjustment (gpn	n)	1.3	
Adjusted Flows			
Maximum Day Flow (g	33		
Calculated Peak Hour	Flow (gpm)	67	
GROWTH ADJUSTM	ENT	NATIONAL CONTRACTOR	
An. ERC Gr	owth	1.32%	
Period		1.00	
Growth Fact	or	1.09	
Adjusted Flows			
Maximum Day Flow (g	(pm)	37	
Calculated Peak Hour	Flow (gpd)	73	
Required Fire Flow (g	pm)		
Wells			
	75 gpm gpm	4	
Total	75		
Firm	75		
Treatment Used and U	seful		
Test 1			
Firm Capacity (gpm)		75	
Peak Flow (gpm)		73	
Used and Useful		97.35%	
1 from MOP analysis			
2 from Ocala Oaks			

1

2

3

from Ocala Oaks
 from Ocala Oaks

Notes

Bellaire

Average Day Flow (gpd) Maximum Day Flow (gpd)	67,801 239 000
Calculated Peak Hour Flow (and)	478 000
Peak Factor	+70,000 2
Teak Factor	2
Average Day Flow (gpm)	47
Maximum Day Flow (gpm)	166
Calculated Peak Hour Flow (gpd)	332
Peak Factor	2
UNACCOUNTED FOR WATER A	DJUSTMENT
UAW	17.4%
Excess	7.4%
2.10000	
UAW Adjustment (gpm)	3.5
Adjusted Flows	
Maximum Day Flow (gpm)	162
Calculated Peak Hour Flow (gpm)	325
GROWTH ADJUSTMENT	
An. ERC Growth	1.32%
Period	7
Growth Factor	1.09
Adjusted Flows	
Maximum Day Flow (gpm)	178
Calculated Peak Hour Flow (gpd)	355
Required Fire Flow (gpm)	
Wells	·
92 gpm	4
92 gnm	4
Total 184	·
Firm 92	
Treatment Used and Useful	
Test 1	
Firm Capacity (gpm)	92
Peak Flow (gpm)	355
Used and Useful 10	0.00%

1

2

3

Notes

1. from MOR analysis 2. from Ocala Oaks

3. from Ocala Oaks

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 30 of 69 Water Used/Useful

1

2

3

Bellveiw Hills

Notes

from Ocala Oaks
 from Sanitary Survey

Average Day Flow (gpd)	25,766
Maximum Day Flow (gpd)	50,000
Calculated Peak Hour Flow (gpd)	100,000
Peak Factor	2
Average Day Flow (gpm)	18
Maximum Day Flow (gpm)	. 35
Calculated Peak Hour Flow (gpd)	69
Peak Factor	2
UNACCOUNTED FOR WATER	ADJUSTMENT
UAW	17.4%
Excess	7.4%
UAW Adjustment (gpm)	1.3
Adjusted Flows	
Maximum Day Flow (gpm)	33
Calculated Peak Hour Flow (gpm)	. 67
GROWTH ADJUSTMENT	
An. ERC Growth	1.32%
Period	7
Growth Factor	1.09
Adjusted Flows	
Maximum Day Flow (gpm)	36
Calculated Peak Hour Flow (gpd)	73
Required Fire Flow (gpm)	
Wells	
70 gpm 70 gpm	4 4
Total 140	
Firm 70	
Treatment Used and Useful	
Test 1	
Firm Capacity (gpm)	70
Peak Flow (gpm)	73
Used and Useful	100.00%
1. from MOR analysis	
2. from Ocala Oaks	

.

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 31 of 69 Water Used/Useful

Bellview Hills Estates

Average Day Flow (gpd) Maximum Day Flow (gpd)	68,911 130,000
Calculated Peak Hour Flow (gpd) Peak Factor	260,000 2
Average Day Flow (gpm)	48
Maximum Day Flow (gpm) Calculated Peak Hour Flow (gpd)	90 181
Peak Factor	2
UNACCOUNTED FOR WATER A	DJUSTMENT
UAW	17.4%
Excess	7.4%
UAW Adjustment (gpm)	3.5
Adjusted Flows	
Maximum Day Flow (gpm)	87
Calculated Peak Hour Flow (gpm)	173
GROWTH ADJUSTMENT	
An. ERC Growth	1.32%
Period	7
Growth Factor	1.09
Adjusted Flows	
Maximum Day Flow (gpm)	95
Calculated Peak Hour Flow (gpd)	190
Required Fire Flow (gpm)	
Wells	
200 gpm	4
Total 400	
Firm 200	
Treatment Used and Useful	
I est 1 Firm Connects (cmm)	200
Peak Flow (opm)	190
Used and Useful	94.75%

1

2

3

Notes

from MOR analysis
 from Ocala Oaks
 from Ocala Oaks
 from Sanitary Survey

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 32 of 69 Water Used/Useful

Chappell Hill

Average Day Flow (gpd)	10,253
Maximum Day Flow (gpd)	30,000
Calculated Peak Hour Flow (gpd)	60,000
Peak Factor	2
Average Day Flow (gpm)	7
Maximum Day Flow (gpm)	21
Calculated Peak Hour Flow (gpd)	42
Peak Factor	2
UNACCOUNTED FOR WATER A	AD.IUSTMENT
IIAW	17.4%
Freess	7.4%
Exocis	
UAW Adjustment (gpm)	0.5
Adjusted Flows	
Maximum Day Flow (gpm)	20
Calculated Peak Hour Flow (gpm)	41
GROWTH ADJUSTMENT	
An. ERC Growth	1.32%
Period	7
Growth Factor	1.09
Adjusted Flows	
Maximum Day Flow (gpm)	22
Calculated Peak Hour Flow (gpd)	44
Required Fire Flow (gpm)	
Wells	
70 gpm	4
gpm	
Total 70	
Firm 70	
Treatment Used and Useful	
Test 1	
Firm Capacity (gpm)	70
Peak Flow (gpm)	44
Used and Useful	63.38%

1

2

3

from MOR analysis
 from Ocala Oaks

3. from Ocala Oaks

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 33 of 69 Water Used/Useful

Fairfax Hills

Average Day Flow (gpd)	24,878
Maximum Day Flow (gpd)	79,000
Calculated Peak Hour Flow (gpd)	158,000
Peak Factor	2
Average Day Flow (gpm)	17
Maximum Day Flow (gpm)	55
Calculated Peak Hour Flow (gpd)	110
Peak Factor	2
UNACCOUNTED FOR WATER	ADJUSTMENT
UAW	17.4%
Excess	7.4%
2,0000	
UAW Adjustment (gpm)	1.3
Critic regulation (gras)	
Adjusted Flows	
Maximum Day Flow (gnm)	54
Colculated Peak Hour Flow (gnm)	107
Calculated Fear Hour Flow (spin)	
GROWTH ADJUSTMENT	
An FRC Growth	1 32%
Revised	100000.0000000000000000000000000000000
Crowth Easter	1 00
Glowin Pactor	1.07
Adjusted Flows	
Maximum Day Flow (apm)	50
Calculated Back Hour Flow (gpin)	117
Calculated Feak flour Flow (gpd)	11,
Required Fire Flow (gpm)	
347.11	
Wells	A
JU gpm	4
70 gpm	1 4
Total 140	
Firm 70	
Treatment Used and Useful	
Test 1	-
Firm Capacity (gpm)	70
Peak Flow (gpm)	117
Used and Useful	100.00%

1

2

3

Notes

1. from MOR analysis 2. from Ocala Oaks

3. from Ocala Oaks

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 34 of 69 Water Used/Useful

.

Hawks Point

Average Day Flow (gpd)	30,325
Maximum Day Flow (gpd)	74,000
Calculated Peak Hour Flow (gpd)	148,000
Peak Factor	2
(Der Flerr (mm)	21
Average Day Flow (gpin)	51
Maximum Day Flow (gpin)	103
Calculated Peak Hour Flow (gpu)	105 .
Peak Factor	2
UNACCOUNTED FOR WATER A	DJUSTMENT
UAW	17.4%
Excess	7.4%
UAW Adjustment (gpm)	1.6
Adjusted Flows	
Maximum Day Flow (gpm)	50
Calculated Peak Hour Flow (gpm)	100
GROWTH ADJUSTMENT	
An. ERC Growth	1.32%
Period	7
Growth Factor	1.09
Adjusted Flows	
Maximum Day Flow (gpm)	54
Calculated Peak Hour Flow (gpd)	109
Required Fire Flow (gpm)	
Wells	
185 gpm	4
<u>185</u> gpm	4
Total 370	
Firm 185	
Treatment Used and Useful	
Test 1	
Firm Capacity (gpm)	185
Peak Flow (gpm)	109
Used and Useful	58.85%

1

2

3

Notes

from MOR analysis
 from Ocala Oaks

3. from Ocala Oaks

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 35 of 69 Water Used/Useful

٠

1

2

3

Marion Hills

Average Day Flow (gpd)	4,334
Maximum Day Flow (gpd)	13,000
Calculated Peak Hour Flow (gpd)	26,000
Peak Factor	2
Average Day Flow (gpm)	3
Maximum Day Flow (gpm)	9
Calculated Peak Hour Flow (gpd)	18
Peak Factor	2
UNACCOUNTED FOR WATER	ADJUSTMENT
UAW	17.4%
Excess	7.4%
UAW Adjustment (gpm)	0.2
Adjusted Flows	
Maximum Day Flow (gpm)	9
Calculated Peak Hour Flow (gpm)	18
GROWTH ADJUSTMENT	
An. ERC Growth	1.32%
Period	7
Growth Factor	1.09
Adjusted Flows	
Maximum Day Flow (gpm)	10
Calculated Peak Hour Flow (gpd)	19
Required Fire Flow (gpm)	
Wells	4
Total 50	
Firm 50	
Treatment Used and Useful	
Firm Canacity (gnm)	50
Peak Flow (opm)	19
Used and Useful	38 47%
City and City in	

from MOR analysis
 from Ocala Oaks
 from Ocala Oaks
 from Sanitary Survey

.

Ridgeview

Average Day Flow (gpd)	14,603
Maximum Day Flow (gpd)	28,000
Calculated Peak Hour Flow (gpd)	56,000
Peak Factor	2
Average Day Flow (gpm)	10
Maximum Day Flow (gpm)	19
Calculated Peak Hour Flow (gpd)	39
Peak Factor	2
UNACCOUNTED FOR WATER A	ADJUSTMENT
UAW	17.4%
Excess	7.4%
UAW Adjustment (gpm)	0.8
Gr	
Adjusted Flows	
Maximum Day Flow (gpm)	19
Calculated Peak Hour, Flow (gnm)	37
GROWTH ADJUSTMENT	
An, ERC Growth	1.32%
Period	906009760a7660 7
Growth Factor	1.09
Giowari actor	
Adjusted Flows	
Maximum Day Flow (onm)	20
Calculated Peak Hour Flow (gpd)	41
Calculated I car fibur Flow (gpu)	
Required Fire Flow (gpm)	
Wells	
PO gam	4
	4
Tatal 180	-
Fimi 90	
Treatment Used and Useful	
Toet 1	
Firm Canacity (app)	90
Peak Flow (mm)	41
Lead and Leads	71
Used and Useful	mJ.J070

1

2

3

Notes

from MOR analysis
 from Ocala Oaks

3. from Ocala Oaks

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 37 of 69 Water Used/Useful

Westview

Average Day Flow (gpd)	7,115
Maximum Day Flow (gpu)	26,000
Peak Factor	20,000
Average Day Flow (gpm)	5
Maximum Day Flow (gpm)	9
Calculated Peak Hour Flow (gpd)	18
Peak Factor	2
UNACCOUNTED FOR WATER	ADJUSTMENT
UAW	17.4%
Excess	7.4%
UAW Adjustment (gpm)	0.4
Adjusted Flows	
Maximum Day Flow (gpm)	9
Calculated Peak Hour Flow (gpm)) 17
GROWTH ADJUSTMENT	11000,0000000,000 - 00-20000
An. ERC Growth	1.32%
Period	7
Growth Factor	1.09
Adjusted Flows	
Maximum Day Flow (gpm)	9
Calculated Peak Hour Flow (gpd)	19
Required Fire Flow (gpm)	
Wells	
70 gpn	a 4
gpn	1
Total 70	
Firm 70	
Treatment Used and Useful	
Test 1	20
Firm Capacity (gpm)	/0
Peak Flow (gpm)	17
Used and Useful	27.04%

1

2

3

Notes

from MOR analysis
 from Ocala Oaks
 from Ocala Oaks

4. from Sanitary Survey

.

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 38 of 69 Water Used/Useful

Woodbury Forest

Average Day Flow (gpd)	15,253
Maximum Day Flow (gpd)	48,000
Calculated Peak Hour Flow (gpd)	96,000
Peak Factor	2
Average Day Flow (gpm)	11
Maximum Day Flow (gpm)	33
Calculated Peak Hour Flow (gpd)	67
Peak Factor	2
UNACCOUNTED FOR WATER	ADJUSTMENT
UAW	17.4%
Excess	7.4%
UAW Adjustment (gpm)	0.8
Adjusted Flows	
Maximum Day Flow (gpm)	33
Calculated Peak Hour Flow (gpm) 65
GROWTH ADJUSTMENT	Berlinbarengentzi tei zahre
An. ERC Growth	1.32%
Period	7
Growth Factor	1.09
Adjusted Flows	• /
Maximum Day Flow (gpm)	36
Calculated Peak Hour Flow (gpd)	/1
Required Fire Flow (gpm)	
Wells	
70 gpn	n 4
Total 70	1
Firm 70	
Treatment Used and Useful	
Test 1	
Firm Capacity (gpm)	70
Peak Flow (gpm)	71
Used and Useful	100.00%

1

2

3

Notes

from MOR analysis
 from Ocala Oaks

3. from Ocala Oaks

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 39 of 69 Water Used/Useful ÷

Orange Hill - Sugar Creek

Average Day Flow (gpd)	57,285			
Maximum Day Flow (gpd)	143,066			
Calculated Peak Flow (gpd)	286,132			
Peak Factor	2			
Average Day Flow (gpm)	40			
Maximum Day Flow (gpm)	99			
Calculated Peak Flow (gpm)	199			
Peak Factor	2			
UNACCOUNTED FOR WATE	R ADDISTMENT			
	8 30/2 2			
Example	0.0%			
EXCESS	0.070			
UAW Adjustment (gpm)	-			
Adjusted Flows				
Maximum Day Flow (gpm)	99.4			
Calculated Peak Hour Flow (gp	d) 198.7			
	- /			
GROWTH ADJUSTMENT				
An. ERC Growth	0%			
Period	7			
Growth Factor	1.00			
Adjusted Flows	00			
Maximum Day Flow (gpm)	99			
Calculated Peak Hour Flow (gp	d) 199			
Required Fire Flow (gpm)				
Wells				
142 g	om 5			
107 g	pm 5			
Total 249				
Firm 107				
10/				
Treatment Used and Useful				
Firm Capacity (gpm)	107			
Peak Flow (gpm)	199			
Used and Useful	100.00%			

Notes

1. MFRs use 91,333 on May 28 for max day although several days are higher. Max is 209,000gpd

1

3

4

1. Used average of 5 highest days in the max month of Dec

2. from MFRs Document 10983-06

3. MFRs show -8.72%

4. from MFRs Document 10983-06

5. from MFRs Document 1217-07

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 40 of 69 Water Used/Useful

Palms MHP

Average Day Flow (gpd) Maximum Day Flow (gpd) Calculated Peak Flow (gpd) Peak Factor	10,135 17,420 34,840 2	1
Average Day Flow (gpm) Maximum Day Flow (gpm) Calculated Peak Flow (gpm)	7 12 24	
Peak Factor	2	
UNACCOUNTED FOR WATER A	DJUSTMENT	
UAW Excess	59.8% 2 49.8%	
UAW Adjustment (gpm)	3.5	
Adjusted Flows Maximum Day Flow (gpm) Calculated Peak Hour Flow (gpd)	8.6 17.2	
GROWTH ADJUSTMENT An. ERC Growth Period Growth Factor	0% 7 1.00	1
Adjusted Flows Maximum Day Flow (gpm) Calculated Peak Hour Flow (gpd)	9 17	
Required Fire Flow (gpm)		4
Wells	5	
Total 130 Firm 130		
Treatment Used and Useful		
Firm Capacity (gpm) Peak Flow (gpm) Used and Useful	130 17 13.22%	

3

4

Notes

1. MFRs use 16,200 gpd for max day it appears there are several days that are higher

1. Used average of 5 highest days in the max month of Dec

2. from MFRs Document 1218-07

3. MFRs show -0.63

4. from MFRs Document 10961-06

5. from MFRs Document 937-07

Palm Port

Average Day Flow (gpd)	15,059					
Maximum Day Flow (gpd)	34,900	1				
Calculated Peak Hour Flow ((gpd) 69,800					
Peak Factor	2					
Average Day Flow (gpm)	10					
Maximum Day Flow (gpm)	24					
Calculated Peak Hour Flow ((gpm) 48					
Peak Factor	2					
UNACCOUNTED FOR WA	TER ADJUSTMENT					
UAW	6.0% 2					
Excess	0.0%					
UAW Adjustment (gpm)	-		·			
Adjusted Flows						
Maximum Day Flow (gpm)	24.2					
Calculated Peak Hour Flow ((gpd) 48.5					
GROWTH ADJUSTMENT						
An. ERC Growth	0.24%	3				
Period	7					
Growth Factor	1.02					
Adjusted Flows						
Maximum Day Flow (gpm)	25					
Colculated Peak Hour Flow	(gpđ) 49					
Required Fire Flow (gpm)		4				
Wells			HSPs		Storage	*******
			140	5	Volume	20,000 gals
).gpm 5	•	140	5	Adjust	0.9
	gpm				Usable Volume	18.000 gals
	gpm					
	gpm				Max Day (gal)	35,486 gals
Total 80	 D		280		Factor	0,25
Finn 80	0		140		Max Day Allowance	8,872 gais
					Fire Flow	- gpm
Treatment Used and Useful					Fire Flow Duration	2 hrs
					Fire Volume	- gals
Firm Capacity (gpm)	80	Firm Capacity (gpm)	140			
Max Day (gpm)	25	Peak Flow (gpm)	49.3		Total	8,872 gals
Fire Flow (gpm)	-					
Adjusted Max Day	25					
Used and Useful	30.80%	Used and Useful	35.20%		Used and Useful	49.29%

Notes

1. from MFRs Document 10989-06 2. from MFRs Document 10989-06 3. From MFRs 4. from MFRs Document 10989-06

5. from MFRs Document 937-07

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 42 of 69 Water Used/Useful

Picciola Island

Average Day Flow (gpd)	31,395
Maximum Day Flow (gpd)	64,700
Calculated Peak Flow (gpd)	129,400
Peak Factor	2
Average Day Flow (gpm)	22
Maximum Day Flow (gpm)	45
Calculated Peak Flow (gpm)	90
Peak Factor	2
UNACCOUNTED FOR WATER A	ADJUSTMENT
UAW	10.3% 2
Excess	0.3%
UAW Adjustment (gpm)	0.1
Adjusted Flows	
Maximum Day Flow (gpm)	44.9
Calculated Peak Hour Flow (gpd)	89.7
GROWTH ADJUSTMENT	
An. ERC Growth	0.46%
Period	7
Growth Factor	1.03
Adjusted Flows	
Maximum Day Flow (gpm)	46
Calculated Peak Hour Flow (gpd)	93
Required Fire Flow (gpm)	
Wells	
175 gpm 100 gpm	5 5
Total 275	- · ·
Firm 100	
Treatment Used and Useful	
Firm Canacity (onm)	100
Peak Flow (gpm)	93
Used and Useful	92.62%
Core and Correr	
1. from MFRs Document 10960-06	
2. from MFRs Document 1218-07	
3. MFRs show 0.46%	

1

3

4

4. from MFRs Document 10960-06

5. from MFRs Document 937-07

Notes
Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 43 of 69 Water Used/Useful

Pomona Park

Average Day Flow (gpd) Maximum Day Flow (gpd)	35,433 57 930
Coloriated Book Flow (gpu)	115 960
Calculated Peak Flow (gpd)	115,000
Peak Factor	2
Average Day Flow (gpm)	25
Maximum Day Flow (grm)	40
Coloulated Book Flow (gpm)	80
Darla France	20
reak ractor	2
UNACCOUNTED FOR WATER	ADJUSTMENT
TIAW	67% 2
Even	0.0%
Excess	0.070
UAW Adjustment (gpm)	-
Adjusted Flows	
Maximum Day Flow (gpm)	40.2
Calculated Peak Hour Flow (gpd)	80.5
GROWTH ADJUSTMENT	
An. ERC Growth	5.00%
Period	7
Growth Factor	1.35
Giowariation	
Adjusted Flows	
Maximum Day Flow (gpm)	54
Calculated Peak Hour Flow (gpd)	109
Required Fire Flow (gpm)	
Wells	
60 gpm	1
35 gpm	1
Total 95	-
Firm 25	
Finii 55	
Treatment Used and Useful	
Firm Capacity (gpm)	35
Peak Flow (gom)	109
Used and Useful	100.00%
Used and Useral	100.0070

1

3

4

from MFRs Document 10990-06
 from MFRs Document 10990-06
 MFRs show 6.16%
 from MFRs Document 10990-06

.

Piney Woods

Average Day Flow (gpd)	46,312					
Maximum Day Flow (gpd)	78,200	I				
Calculated Peak Flow (gpd)	156,400					
Peak Factor	2					
Average Day Flow (gpm)	32					
Maximum Day Flow (gpm)	54					
Caiculated Peak Flow (gpm)	109					
Peak Factor	2					
UNACCOUNTED FOR WATE	R ADJUSTMENT					
UAW	6.6% 2					
Excess	0,0%					
UAW Adjustment (gpm)	-	-				
Adjusted Flows						
Maximum Day Flow (gpm)	54.3					
Calculated Peak Hour Flow (gpo	d) 108.6					
GROWTH ADJUSTMENT						
An. ERC Growth	0.28%	3				
Period	7					
Growth Factor	1.02					
Adjusted Flows						
Maximum Day Flow (gpm)	55					
Calculated Peak Hour Flow (gp	d) 111					
Required Fire Flow (gpm)		4				
Wells			HSPs		Storage	
	_			-	Volume	50,000 gals
300 g	pm 5		300	>	Adjust	45.0001-
g	pm				Usable volume	43,000 gais
gi	pm				May Day (nal)	79 733 male
T_t_l	pm		100		Factor	0.25
Firm 200			300		Max Day Allowance	19.933 pais
7.66			500		Fire Flow	- gpm
Treatment Used and Useful					Fire Flow Duration	2 hrs
					Fire Volume	- gals
Firm Capacity (gpm)	300	Firm Capacity (gpm)	300			-
Max Day (gpm)	55	Peak Flow (gpm)	110.7		Total	19,933 gals
Fire Flow (gpm)						
Adjusted Max Day	55					
Used and Useful	18.46%	Used and Useful	36.91%		Used and Useful	44.30%

Notes

MFRs use 80,000 max day on May 30 instead of 94,000
 Used average of 5 highest days in the max month of May 2, from MFRs Document 10962-06

3. from MFRs

4. from MFRs Document 10962-06 5. from MFRs Document 937-07

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 45 of 69 Water Used/Useful

Quail Ridge

Average Day Flow (gpd)	15,413
Maximum Day Flow (gpd)	36,000
Calculated Peak Flow (gpd)	72,000
Peak Factor	2
Average Day Flow (gpm)	11
Maximum Day Flow (gpm)	25
Calculated Peak Flow (gpm)	50
Peak Factor	2
UNACCOUNTED FOR WATER A	DJUSTMENT
UAW	2.9% 3
Excess	0.0%
UAW Adjustment (gpm)	-
Adjusted Flows	
Maximum Day Flow (gpm)	25.0
Calculated Peak Hour Flow (gpd)	50.0
GROWTH ADJUSTMENT	
An. ERC Growth	5%
Period	7
Growth Factor	1.35
Adjusted Flows	
Maximum Day Flow (gpm)	34
Calculated Peak Hour Flow (gpd)	68
Required Fire Flow (gpm)	500
Wells	-
650 gpm	5
gpm	
Total 650	
Firm 650	
Treatment Used and Useful	
Firm Canacity (com)	650
Peak Flow (gpm)	68
Used and Useful	10.38%
Test 2	
Firm Capacity (gpm)	650
Max Day (gpm)	34
Fire Flow (gpm)	500
Peak Flow (gpm)	534
Used and Useful	82%

2

4

5

.

Notes

1. System maps show the system can provide fire flow 2. from MFRs Document 937-07

3. from MFRs Document 10967-06

4. MFRs show 14.10%

5. from MFRs Document 937-07

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 46 of 69 Water Used/Useful

Ravenswood

Average Day Flow (gpd)	11,118
Maximum Day Flow (gpd)	27,300
Calculated Peak Flow (gpd)	54,600
Peak Factor	2
Average Day Flow (gpm)	8
Maximum Day Flow (gpm)	19
Calculated Peak Flow (gpm)	38
Peak Factor	2
UNACCOUNTED FOR WATER A	DJUSTMENT
UAW	5.0% 2
Excess	0.0%
UAW Adjustment (gpm)	-
Adjusted Flows	
Maximum Day Flow (gpm)	19.0
Calculated Peak Hour Flow (gpm)	37.9
GROWTH ADJUSTMENT	
An. ERC Growth	2.12%
Period	7
Growth Factor	1.15
Adjusted Flows	
Maximum Day Flow (gpm)	22
Calculated Peak Hour Flow (gpd)	44
Required Fire Flow (gpm)	
Wells	
90 gpm	5
gpm	
Total 90	
Firm 90	
Treatment Used and Useful	
Test 1	
Firm Capacity (gpm)	90
Peak Flow (gpm)	44
Used and Useful	48.38%

1

3

4

Notes

1. from MFRs Document10968-06

2. from MFRs Document10968-06

From MFRs
 from MFRs Document10968-06

5. from field inspection; no data given in MFRs

River Grove

Average Day Flow (g	pd)	19,545					
Maximum Day Flow	(gpd)	51,140	1				
Calculated Peak Hou	r Flow (gpd)	102,280					
Peak Factor		2					
Average Day Flow (;pm)	14					
Maximum Day Flow	(gpm)	36					
Calculated Peak Ho	ır Flow (gpm)	71					
Peak Factor		2					
UNACCOUNTED F	OR WATER AD	JUSTMENT					
UAW		7.2% 2					
Excess		0.0%					
UAW Adjustment (ş	pm)	-					
Adjusted Flows							
Maximum Day Flow	(gpm)	35.5					
Calculated Peak Ho	ur Flow (gpd)	71.0					
GROWTH ADJUST	MENT						
An. ERC	Growth	0.12%	3				
Period		7					
Growth F	actor	1.91					
Adjusted Flows							
Maximum Day Flow	r (gpm)	36					
Calculated Peak Ho	ur Flow (gpd)	72					
Required Fire Flow	(gpm)		4				
Wells				HSPs		Storage	ur municipal ar at a still
						Volume	18,000 gals
	125 gpm	5		170	5	Adjust	0.9
	gpm			170	5	Usable Volume	16,200 gais
	gpm					Mar Davidard	\$1 \$70 male
	gpm			240		Max Day (gai)	51,570 gais
Total	125			340		ractor May Day Allowance	17 807 male
rum	125			1/0		Fire Flow	- eom
T						Fire Flow Duration	2 hrs
treatment Used and	J USEINI					Fire Volume	- gals
Firm Capacity (2001)		125	Firm Capacity (gpm)	170			5
Max Day (gpm)		36	Peak Flow (gpm)	71.6		Total	12,892 gals
Fire Flow (gpm)		-					
Adjusted Max Day		36					
Used and Useful	1	28.65%	Used and Useful	42.13%		Used and Useful	79.58%

Notes

1. MFRs use 51,400 for max day which is wrong should be 51,140 1. different from MFRs Document 10991-06

2. from MFRs Document 10991-06

3. MFRs show 0.12% but indicate service area is builtout

4. from MFRs Document 10991-06

5 from MFRs Document 1217-07

Rosalie Oaks

Average	Day Flow (gpd)	8,253
Maximu	m Day Flow (gpd)	20,000
Calculat	ed Peak Flow (gpd)	40,000
Peak Fa	ctor	2
Average	Day Flow (gpm)	6
Maximu	m Day Flow (gpm)	14
Calculat	ed Peak Flow (gpm)	28
Peak Fa	ctor	. 2
UNACC	OUNTED FOR WATER	ADJUSTMENT
	UAW	9.4% 2
	Excess	0.0%
UAW A	djustment (gpm)	-
Adjusted	d Flows	
Maximu	m Day Flow (gpm)	13.9
Calculat	ed Peak Hour Flow (gpd)	27.8
GROWI	TH ADJUSTMENT	annan saidentine binija
	An. ERC Growth	1.37%
	Period	7
	Growth Factor	1.10
Adjusted	i Flows	
Maximu	m Day Flow (gpm)	15
Calculat	ed Peak Hour Flow (gpd)	30
Require	d Fire Flow (gpm)	
Wells		
	250 gpm	n 5
Total	gpm 250	1
Firm	250	
Treatme	nt Used and Useful	
Test 1		
Firm Car	pacity (gpm)	250
Peak Flo	w (gpm)	30
Used and	Useful	12.18%

1

3

4

Notes

from MFRs Document 10984-06
 from MFRs Document 1218-07
 From MFRs
 from MFRs Document 10984-06
 from MFRs Document 1217-07

5

Sebring Lakes

Average Day Flow (gpd) Maximum Day Flow (gp) nd)	105,993 316,200	I						
Calculated Peak Hour F	low (gpd)	632,400							
Peak Factor		2							
Average Day Flow (gpm	1)	74							
Maximum Day Flow (gr	om)	220							
Calculated Peak Hour F	Flow (gpm)	439							
Peak Factor		2				•			
UNACCOUNTED FOR	WATER AD.	USTMENT							
UAW		6.1% 2							
Excess	(0.0%							
UAW Adjustment (gpm	1)								
Adjusted Flows									
Maximum Day Flow (g	pm)	219.6							
Calculated Peak Hour I	Flow (gpd)	439.2							
GROWTH ADJUSTM	ENT		Growth Analysis						
An. ERC Gro	owth	5%	2005 ERCs Sebring I	172	3				
Period		7	2005 ERCs Lakke Jo	25	3				
Growth Facto	or .	1.32	Annual ERC growth !	5.00%	3				
			Annual ERC growth)	1.34%	3				
Adjusted Flows			Weighted growth	4.54%					
Maximum Day Flow (g	pm)	. 289							
Calculated Peak Hour	Flow (gpd)	579							
Required Fire Flow (gp) (mc		4						
Wells				E	ISPs		Storage		
							Volume	73,000 gi	a15
	830 gpm	5			600	5	Adjust	0.9	۰.
	830 gpm	5			300	5	Usable Volume	65,700 ga	ais
	400 gpm	5			310	6	N D (416 690 -	-1-
	400_gpm	5			310	o	Max Day (gai)	410,269 gi	ais
Total	2460				1520		Factor	104 147	-10
Firm	1630				920		Niak Day Anowance	104,147 g	
							Fire Flow Duration	- 8. 2 h	pant ars
Treatment Used and U	seful						Fire Volume	- g	als
		1.630	Firm Canacity (opm)		920			8	
rinn Capacity (gpm)		280	Peak Flow (gpm)		578.6		Total	104,147 g	als
Max Day (gpm)			. our rion (Spin)						
A directed Max Day		289							
Lond and Liceful	1*	7 75%	Used and Useful		62.89%		Used and Useful	100.00%	
Osed and Oserui	1								

Notes

From MOR Analysis used average of 5 highest days in the max month of October
 UAW not over 10% for both systems
 From MFRs F-9
 from MFRs Document 10946-06
 from MFRs
 Calculated from 20 hp motor at 70 psi w/ 90% motor eff and 70% pump eff

Dockel No. 060368-WS Andrew T, Woodcock, Exhibil ATW-3 Page 50 of 69 Water Used/Usetul

-

â

ر

Sebring Lakes

Average Day Flow (gpm) 74 Maximum Day Flow (gpm) 302 Calculated Factor 2 UNACCOUNTED FOR WATER ADJUSTMENT 003 UAW 00% UAW 00% UAW 00% UAW Adjustment (gpm) - Adjusted Flows 0.0% Maximum Day Flow (gpm) 301.6 Calculated Flows (gpm) 030.5 Calculated Flows (gpm) 030.5 Calculated Flows (gpm) 040.5 Are ERC Consult 75% Are ERC Consult 70 Growth Factor 1.35 Adjusted Flows 407 Calculated Flows (gpm) 407 Calculated Flow (gpm) 41 Wells HSPs Storage Youne 25,000 gale Sto gpm 4 Weils HSPs Storage Total 1660 5 0 Max Day (dgl) 55.635 gale 146.576 gale Firm 830 gpm 50 0 Max Day Allowance Firm Reporting flow 5	Average Day Flo Maximum Day F Calculated Peak Peak Factor	w (gpd) low (gpd) Hour Flow (gpd)	105,993 434,300 868,600 2	ı				
Maximum Day Flow (gpm) 302 Calculated Park Hour Flow (gpm) 603 Peak Pactor 2 UNACCOUNTED FOR WATER ADJUSTMENT UAW 2005 Excess 0.0% UAW Adjustment (gpm) - Adjusted Flows Maximum Day Flow (gpm) 301.6 Calculated Peak Hour Flow (gpd) 603.2 GROWTH ADJUSTMENT An. ERC Growth 2007 Peak Hour Flow (gpm) 407 Calculated Peak Hour Flow (gpm) 5 830 gpm 407 Total 1660 5 Firm 830 gpm 5 Total 1660 5 Firm 830 gpm 6 Firm Capacity (gpm) 830 Firm Capacity (gpm) 840 Firm Capacity (gpm) 814.3 Total 146,576 gals Firm Capacity (gpm) 814.5 Total 146,576 gals Firm Capacity (gpm) 814.5 Max Day (gpm) 407 Peak Flow (gpm) 814.5 Total 146,576 gals Firm Capacity (gpm) 814.5 Total 146,576 gals	Average Day Flo	w (gpm)	74					
Calculated Peak Hour Flow (gpm) 603 Peak Factor 2 UNACCOUNTED FOR WATER ADJUSTMENT UAW 100% 2 UAW 100% 2 UAW 40justanent (gpm) - Adjusted Flowr Maximum Day Flow (gpd) 603.2 GROWTH ADJUSTMENT An. ERC Growth 2005, 3 Period 7 Growth Factor 1.35 Adjusted Flowr (gpm) 407 Calculated Peak Hour Flow (gpd) 814 Required Fire Flow (gpm) 4 Wells HSPs Storage Volume 25,000 gals Adjusted Fire Flow (gpm) 5 Firm 830 5 Tratal 600 7 Tratal 600 5 Tratal 600 7 Tratal 600 5 Tratal 600 7 Tratal 600 5 Tratal 600 5 Tratal 600 7 Tratal 600 5 Tratal 600 7 Tratal 600 5 Tratal 600 7 Tratal 600 5 Tratal 600 7 Tratal	Maximum Day F	low (gpm)	302					
Peak Factor 2 UNACCOUNTED FOR WATER ADJUSTMENT UAW 2 UAW 0.0% 2 Excess 0.0% 2 UAW Adjustment (gpm) - Adjusted Flows Maximum Day Flow (gpd) 301.6 Catculated Peak Hour Flow (gpd) 603.2 GROWTH ADJUSTMENT An ERC Growth Period 7 Adjusted Flows Maximum Day Flow (gpm) 407 Catculated Peak Hour Flow (gpd) 814 Required Fire Flow (gpm) 4 Wells HSFs Storage Volume 22,000 gals Adjust gpm s30 gpm s30 gpm s30 gpm s30 gpm reatment Used and Useful Nam Prior (gpm) 4 Frint Capacity (gpm) 830 Firm Capacity (gpm) 84.3 Max Day (gal) 586,305 gals Fire Flow (gpm) Max Day (gal) 586,305 gals gals Fire Flow (gpm) 830 Firm Capacity (gpm) 81.4.3 Total 146,576 gals Fire Flow Used and Useful 830 Firm Capacity (gpm) 81.4.3 Total 146,576 gals	Calculated Peak	Hour Flow (gpm)	603					
UNACCOUNTED FOR WATER ADJUSTMENT UAW 0.0% 2 Excess 0.0% 2 UAW Adjustment (gpm) - Adjusted Flowr Maximum Day Flow (gpm) 301.6 Calculated Peak Hour Flow (gpd) 603.2 GROWTH ADJUSTMENT An. ERC Growth 7 Growth Factor 1.33 Adjusted Flows Maximum Day Flow (gpm) 407 Calculated Peak Hour Flow (gpd) 814 Required Fire Flow (gpd) 814 Wells HSPs Storage Volume 225,000 gals 830 gpm 830 gpm 830 gpm 830 gpm 14 Wells Useful Counce 16(576 gals Firm Capacity (gpm) 407 Treatment Used and Useful 830 Firm Capacity (gpm) 407 Peak Flow (gpm) 814.3 Total 146,576 gals Fire Counce 16(576 gals Fire Flow (gpm) 407 December 10 (gpm) 146.576 gals Fire Flow (gpm) 407 Max Day (dai) 386.305 gals 14.5 Name 225,000 gals 14.5 Name 22,000 gals 14.5 15.5 1	Peak Factor		2					
UAW 16,1%, 2 Excess 0,0% UAW Adjustment (gpm) - Adjusted Plens Maximum Day Flow (gpm) 301.6 Calculated Peak Hour Flow (gpm) 603.2 GROWTH ADJUSTMENT An ERC Growth 25%, 3 Period 7 Growth Factor 1.35 Adjusted Flows Maximum Day Flow (gpm) 407 Catculated Peak Hour Flow (gpd) 814 Required Fire Flow (gpm) 4 Wells 15Ps Storage Volume 25,000 gals Adjust 0 - 830 gpm gpm gpm total 160 5 0 Firm 330 ppm gpm Total 160 5 0 Firm 2330 0 Treatment Used and Useful 830 Firm Capacity (gpm) - Fire Flow (gpm) 407 Catculated Day 1407 Firm Capacity (gpm) 7 Max Day (gpm) 407 Firm Capacity (gpm) 7 Max Day (gpm) 407 Peak Flow (gpm) 814.3 Total 146,576 gals Fire Volume 2 2,500 gals - Fire Volume 2 2,500 gals - Fire Volume 2 2,500 gals - Fire Flow (gpm) 300 Firm Capacity (gpm) - Fire Flow (gpm) 407 Peak Flow (gpm) 814.3 Total 146,576 gals Fire Volume 4,905%, Used and Useful 8DIV(9) Used and Useful 631.45%	UNACCOUNTE	D FOR WATER	ADJUSTMENT					
Excess 0.0% UAW Adjøstment (gpm) - Adjøsted Flørs Maximum Day Fløv (gpm) 301.6 Catculated Peak Hour Fløv (gpd) 603.2 GROWTH ADJUSTMENT An. ERC Growth 2005 5% 3 Period 7 Growth Factor 1.35 Adjøsted Fløvs Maximum Day Fløv (gpm) 407 Catculated Peak Hour Fløv (gpd) 814 Required Fire Fløv (gpm) 407 Catculated Peak Hour Fløv (gpd) 814 Wells Kequired Fire Fløv (gpm) 407 Total 1660 5 Total 1660 5 0 Max Day (gal) 585.6305 gals Firm 230 0 Max Day (gal) 586.305 gals Firm 230 0 Max Day Mavanee 146.576 gals Firm 230 0 Max Day Adjøsten 2 146,576 gals Fire Fløv Volume 2 146,576 gals Fire Capacity (gpm) 407 Peak Fløv (gpm) 814.3 Total 146,576 gals Fire Fløv Volume 2 2 Justop Volume 2 2	UAW		6.1% 2					
UAW Adjustment (gpm) - Adjusted Florrs Maximum Day Flor (gpm) 301.6 Calculated Peak Hour Flow (gpd) 603.2 GROWTH ADJUSTMENT 3 An. ERC Growth 7 Feriod 7 Growth Factor 1.35 Adjusted Flows 407 Catculated Peak Hour Flow (gpm) 407 Catculated Peak Hour Flow (gpm) 407 Velis HSPs Storage 830 gpm 4 Wells 1660 5 gpm 9 Usable Volume 22,000 gals Adjust 1660 5 0 Max Day (gal) 586.305 gals Finn 330 0 146.576 gals 146.576 gals Finn 330 0 Max Day (gal) 586.305 gals Total 1660 5 0 Max Day (gal) 586.305 gals Finn 330 0 Prime Capacity (gpm) 2 12 Max Day (gpm) 407 Peak Flow (gpm) 814.3 Total 146.576 gals Fine Capacity (gpm) 407	Exces	3	0.0%					
Adjusted Flowr 5 Maximum Day Flow (gpm) 301.6 Calculated Peak Hour Flow (gpd) 603.2 GROWTH ADJUSTMENT 3 An. ERC Growth 5%.3 Period 7 Growth Factor 1.35 Adjusted Flows 407 Calculated Peak Hour Flow (gpm) 407 Calculated Peak Hour Flow (gpd) 814 Required Fire Flow (gpm) 4 Wells HSPs Storage. Volume 25,000 gals Ajust 0.9 Usable Volume 22,500 gals Ajust 0.9 Usable Volume 22,500 gals Ajust 0.60 5 0 Factor 0.25 Firm 830 gpm 0 Factor 0.25 Fire Flow - gpm gpm gpm 0 0 Factor 0.25 - gpm - - gpm - - gpm - - gpm - - - gpm - - - - gpm - - gpm - - -<	UAW Adjustmen	ıt (gpm)	-					
Maximum Day Flow (gpm) 301.6 Calculated Peak Hour Flow (gpd) 603.2 GROWTH ADJUSTMENT 603.2 An. ERC Growth 55%, 3 Period 7 Growth Factor 1.35 Adjusted Flows 407 Calculated Peak Hour Flow (gpm) 407 Calculated Peak Hour Flow (gpm) 814 Required Fire Flow (gpm) 4 Wells HSPs Storage gpm 4 Wells HSPs Volume 25,000 gals gpm 4 Max Day (gal) 586,305 gals 0.9 gpm 1660 5 0 Factor 0.25 Firm 830 5 0 Max Day (gal) 586,305 gals Firm Bayo 0 Max Day (gpm) 514.3 Total 146,576 gals Firm Capacity (gpm) 830 Firm Capacity (gpm) 814.3 Total 146,576 gals Fire Flow (gpm) 407 Peak Flow (gpm) 814.3 Total 146,576 gals Fire Flow (gpm) 407 Peak Flow (gpm) 814.3	Adjusted Flows							
Calculated Peak Hour Flow (gpd) 603.2 GROWTH ADJUSTMENT An. ERC Growth 55%, 3 Period 7 Growth Factor 1.35 Adjusted Flows Maximum Day Flow (gpm) 407 Calculated Peak Hour Flow (gpm) 814 Required Fire Flow (gpm) 4 Wells HSP Siorage Volume 25,000 gals 830 gpm gpm gpm gpm gpm gpm gpm gpm	Maximum Day F	low (gpm)	301.6					
GROWTH ADJUSTMENT An. ERC Growth 5% 3 Period 7 Growth Factor 1.35 Adjusted Flows 1.35 Maximum Day Flow (gpm) 407 Calculated Peak Hour Flow (gpm) 41 Wells HSPs Storage Weils 1 Brows 4 Weils HSPs Storage Storage Volume Storage Volume 25,000 gals Adjust 0.9 Brows 4 Weils HSPs Storage Storage Volume Brows 4 Weils HSPs Storage Storage Volume Brows 4 Weils HSPs Storage Brows 25,000 gals Brows 1660 5 O Factor 0.25 Firm Capacity (gpm) 530 gpm 2 lats Firm Capacity (gpm) 830 for presentions 2 lats Firm Capacity (gpm) 830 for presentions 2 lats Firm Capacity (gpm) 407 Peak Flo	Calculated Peak	Hour Flow (gpd)	603.2					
An. ERC Growth Period 7 Growth Factor 1.35 Adjusted Flows Maximum Day Flow (gpm) 407 Calculated Peak Hour Flow (gpm) 814 Required Fire Flow (gpm) 4 Wells 4 Wells 25,000 gals 0.5 830 gpm 20,000 gals 0.5 Firm 1 830 5 Firm 1 830 5 Firm Capacity (gpm) 830 Firm Capacity (gpm) - Fire Flow (gpm) 407 Fire Flow (gpm) 407 Max Day 407 Vised and Useful 40,576 gals	GROWTH ADJ	USTMENT						
Period 7 Growth Factor 1.35 Adjusted Flows 1.35 Maximum Day Flow (gpm) 407 Calculated Peak Hour Flow (gpm) 814 Required Fire Flow (gpm) 814 Wells HSPs Storage Volume 830 gpm 4 Wells HSPs Storage Volume 830 gpm 4 Wells HSPs Storage Volume gpm 4 Total 1660 gpm 0 gpm 9 gpm 0 Finn 830 330 0 Fire Flow Volume 22,500 gpm 0 Max Day (gal) 586,305 Fire Flow 0 Max Day Allowance 146,576 Fire Flow 9 Fire Flow Duration 2 lurs Fire Flow Duration 2 lurs Fire Flow Usendin 146,576 </td <td>An. E</td> <td>RC Growth</td> <td>5%</td> <td>3</td> <td></td> <td></td> <td></td>	An. E	RC Growth	5%	3				
Growth Factor 1.35 Adjusted Flows 407 Maximum Day Flow (gpm) 407 Catculated Peak Hour Flow (gpm) 814 Required Fire Flow (gpm) 4 Wells HSPs Storage Volume 830 gpm 4 Wells HSPs Storage Volume 830 gpm 4 Wells HSPs Storage Volume 830 gpm 4 Weils HSPs Storage Volume 830 gpm 4 Weils HSPs Storage Volume 830 gpm 4 Total Base Bym 9 Bym 9 Total 1660 Storage 9 Bym 9 Bym 9 Bym 9 Bym 9 Bym 9 Bym 9 Adjusti daud Useful 146,576 gals Firm Capacity (gpm) 6 Firm Capacity (gpm) 9 Firm Capacity (gpm) 9 Firm Capacity (gpm) 9 Bit 146,576 gals	Period	L.	7					
Adjusted Flows 407 Maximum Day Flow (gpm) 407 Calculated Peak Hour Flow (gpm) 814 Required Fire Flow (gpm) 4 Wells HSPs Storage Volume 830 gpm 4 Wells HSPs Storage Volume 830 gpm 4 Max Day (gal) 586,305 gals gpm - frine 830 frine Spacety (gpm) - frine Capacity (gpm) -	Grow	h Factor	1.35					
Maximum Day Flow (gpm) 407 Calculated Peak Hour Flow (gpm) 814 Required Fire Flow (gpm) 4 Wells HSPs Storagc 830 gpm 4 Wells HSPs Storagc Volume 830 gpm Adjust gpm Usable Volume gpm Max Day (gal) 1660 5 0 Factor 0 Max Day Allowance 146,576 gals Firm 830 Firm Capacity (gpm) - Firm Capacity (gpm) - Firm Capacity (gpm) - Firm Capacity (gpm) - Fire Flow (gpm) - Fire	Adjusted Flows			•				
Calculated Peak Hour Flow (gpd) 814 Required Fire Flow (gpm) 4 Wells HSPs Storage Volume 25,000 gals 830 gpm 4 0.9 0.9 830 gpm Usable Volume 22,500 gals 0.9 gpm 6 0 Factor 0.25 Finn 830 0 9 7 Total 1660 5 0 Max Day (gal) 586,305 gals Finn 830 5 0 Max Day Allowance 146,576 gals Finn Capacity (gpm) 830 Firm Capacity (gpm) - gals Firm Capacity (gpm) 407 Peak Flow (gpm) - gals Fire Flow (gpm) - - gals 146,576 gals Fire Flow (gpm) 407 Peak Flow (gpm) - - gals Fire Flow (gpm) - - - - - - Max Day (dpn) 407 Peak Flow (gpm) - - - - - Max Day (dpn) 407 - - - - - - <td>Maximum Day H</td> <td>low (gpm)</td> <td>407</td> <td></td> <td></td> <td></td> <td></td>	Maximum Day H	low (gpm)	407					
Required Fire Flow (gpm) 4 Wells HSPs Storage Volume 25,000 gals Adjust 0.9 830 gpm 830 gpm gpm gpm 	Calculated Peak	Hour Flow (gpd)	814					
Wells HSPs Storage 330 gpm 25,000 gals 0.9 830 gpm Adjust 0.9 830 gpm Usable Volume 22,500 gals gpm Usable Volume 22,500 gals gpm Max Day (gal) 586,305 gals Firm 830 0 Factor 7010 1660 5 0 Factor 7011 1660 5 0 Max Day Allovance 146,576 gals Firm 830 0 Max Day Allovance 146,576 gals Fire Flow - ggm Firm Capacity (gpm) 830 Firm Capacity (gpm) - 2 lurs Firm Capacity (gpm) 407 Peak Flow (gpm) - gals Fire Flow (gpm) - - - - gals Fire Flow (gpm) - - - - - Max Day (Apron) - - - - - - Max Day (Apon) 407 Peak Flow (gp	Required Fire F	ow (gpm)		4				
Volume 22,000 gals 830 gpm Adjust 0.9 830 gpm Usable Volume 22,500 gals gpm Usable Volume 22,500 gals gpm Max Day (gal) 586,305 gals Total 1660 5 0 Firm 830 0 Max Day Allowance 146,576 gals Firm Capacity (gpm) Fire Flow Duration 2 lurs Fire Flow - Firm Capacity (gpm) 407 Peak Flow (gpm) - - gals Fire Flow (gpm) - - - - gals Fire Flow (gpm) - - - - - gals Fire Flow (gpm) - <t< td=""><td>Wells</td><td></td><td></td><td></td><td>HSPs</td><td>Storage</td><td></td></t<>	Wells				HSPs	Storage		
Rdjust 0.9 830 gpm Kdjust 0.9 830 gpm Usable Volume 22,500 gals gpm Max Day (gal) 586,305 gals 7 Total 1660 5 0 Finn 830 0 Max Day (gal) 586,305 gals Finn 830 0 Max Day Allowance 146,576 gals Firm Capacity (gpm) Fire Flow - gpm Firm Capacity (gpm) 60 Fire Flow - gals Firm Capacity (gpm) - - - Max Day (gpm) 407 Peak Flow (gpm) 514.3 Fire Flow (gpm) - - - Adjusted Max Day 407 - - Used and Useful 49.05% Used and Useful 401V/0! Used and Useful						Volume	25,000 gals	
830 gpm Orable Volume 22,00 gats gpm		830 gpm				Adjust	0.9	
Max Day (gal) 586,305 gals gpm Max Day (gal) 586,305 gals Total 1660 5 0 Factor 0.25 Firm 830 0 Max Day Allowance 146,576 gals Treatment Used and Useful Fire Flow - gals Fire Flow - gals Firm Capacity (gpm) 830 Firm Capacity (gpm) - Total 146,576 gals Firm Capacity (gpm) 830 Firm Capacity (gpm) - - gals Fire Flow (gpm) 407 Peak Flow (gpm) - - - - Juscid and Useful 407 Used and Useful 401V/0! Used and Useful 651.45%		830 gpm				Usable volume	22,300 gais	
Total 1660 5 0 Factor 0.25 Firm 830 0 Max Day Allowance 146,576 gals Treatment Used and Useful 0 Max Day Allowance 146,576 gals Firm Capacity (gpm) 830 Firm Capacity (gpm) - - gals Firm Capacity (gpm) 407 Peak Flow (gpm) 814.3 Total 146,576 gals Fire Flow - <td></td> <td>gpm</td> <td></td> <td></td> <td></td> <td>Max Day (ad)</td> <td>586 105 ante</td>		gpm				Max Day (ad)	586 105 ante	
10101 1000 J 0 1200 <th 1200<="" td=""><td>T 1</td><td> gpm</td><td></td><td></td><td></td><td>Max Day (gal)</td><td>0.25</td></th>	<td>T 1</td> <td> gpm</td> <td></td> <td></td> <td></td> <td>Max Day (gal)</td> <td>0.25</td>	T 1	gpm				Max Day (gal)	0.25
Firm Compacity (gpm) 830 Firm Capacity (gpm) Fire Flow 2 ltrs Finn Capacity (gpm) 830 Firm Capacity (gpm) - Max Day (gpm) 407 Peak Flow (gpm) 814.3 Total 146,576 gals Fire Flow 407 Peak Flow (gpm) 814.3 Total 146,576 gals Fire Flow 407 Vac and Useful 407 407 Used and Useful 49.05% Used and Useful #DIV/0! Used and Useful 651.45%	Firm	1000	J		0	Max Day Allowance	146.576 gais	
Treatment Used and Useful Fire Flow Duration 2 hrs Firm Capacity (gpm) 830 Firm Capacity (gpm) - gals Firm Day (gpm) 407 Peak Flow (gpm) 814.3 Total 146,576 gals Fire Flow (gpm) - 7 146,576 gals 146,576 gals Fire Flow (gpm) - 814.3 Total 146,576 gals Galyasted Max Day -	rnus	430			v	Fire Flow	- gpm	
Firm Capacity (gpm) 830 Firm Capacity (gpm) Fire Volume - gals Max Day (gpm) 407 Peak Flow (gpm) 814.3 Total 146,576 gals Fire Flow (gpm) 51 7 Peak Flow (gpm) 814.3 Total 146,576 gals Fire Flow (gpm) - - - - - - Adjusted Max Day 407 -	Treatment lised	and Useful				Fire Flow Duration	2 hrs	
Firm Capacity (gpm) - Max Day (gpm) 407 Peak Flow (gpm) - Fire Flow (gpm) 814.3 Total 146,576 gals Fire Flow (gpm) - - Adjusted Max Day 407 Used and Useful 49.05% Used and Useful #DIV/0!						Fire Volume	- gals	
Max Day (gpm) 407 Peak Flow (gpm) 814.3 Total 146,576 gals Fire Flow (gpm) - <td>Firm Capacity (g</td> <td>pm)</td> <td>830 .</td> <td>Firm Capacity (gpm)</td> <td>-</td> <td></td> <td></td>	Firm Capacity (g	pm)	830 .	Firm Capacity (gpm)	-			
Fire Flow (gpm) - Adjusted Max Day 407 Used and Useful 49.05% Used and Useful #DIV/0! Used and Useful 651.45%	Max Day (gom)		407	Peak Flow (gpm)	814.3	Total	146,576 gals	
Adjusted Max Day 407 Used and Useful 49.05% Used and Useful #DIV/0! Used and Useful 651.45%	Fire Flow (gpm)		-					
Used and Useful 49.05% Used and Useful #DIV/0! Used and Useful 651.45%	Adjusted Max Da	IV.	· 407					
	Used and Useful	•	49.05%	Used and Useful	#D1V/01	Used and Useful	651.45%	

Notes

I. MFRs use 434,300 on Dec 4 for max day I. from MFRs Document 10946-06*

2. from MFRs Document 1218-07

3. MFRs show 29.19% 4. from MFRs Document 10946-06

5. from MFRs

Docket No: 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 51 of 69 Water Used/Useful

.

.

Lake Josephine

Average Day Flow (gpd)	38,845							
Maximum Day Flow	r (gpd)	278,000	1						
Colculated Peak Ho	ur Flow (gpd)	556,000							
Peak Factor		2							
Average Day Flow (gpm)	27							
Maximum Day Flow	r (gpm)	193							
Calculated Peak Ho	ur Flow (gpm)	386							
Peak Factor		2							
UNACCOUNTED I	OR WATER A	DJUSTMENT							
UAW		6.05%	2						
Excess		-							
UAW Adjustment (j	gpm)	-							
Adjusted Flows								,	
Maximum Day Flow	r (gpm)	193.1							
Calculated Peak Ho	ur Flow (gpd)	386, L							
GROWTH ADJUST	IMENT								
An. ERC	Growth	1,34%	3						
Period		7							
Growth F	actor	1.09							
Adjusted Flows									
Maximum Day Flow	r (gpm)	211							
Calculated Peak Ho	ur Flow (gpd)	422							
Required Fire Flow	(gpm)			4					
Wells					HSPs		Storage		
and the states of					STORESSER, LL. T.		Volume	48,000	gals
\$2655.4084	400 gpm	5			600	5	Adjust	0.9	
	400 gpm	5			300	,	Usable Volume	43,200	gais
	gpm						N D ()	204.074	
T / I	gpm				000		Max Day (gat)	304,076	gais
IOIAI	800				900		Pactor	76 010	
ามอเ	400				300		Max Day Allowance	76,019	gais
Treatment Used	d Haafal						Fire Flow Duration		gpm hre
Treatment Used and	a Osciui						Fire Volume		nale
Firm Conneity (nom)		400	Firm Capaci	tr (ana)	300		THE VOIDING	-	Gais
May Day (gam)		211	Peak Flow (-, (Shar)	422.3		Total	76,019	gals
Fire Flow (gum)				5 1)	422,5		• • • • •		0.10
Adjusted Max Day		211							
Used and Useful		52 79%	Used and Us	seful	140 78%		Used and Useful	175.97%	

Section and the second

Notes

1. MFRs used 278,000 gpd on July 23 for max day rather than 334,900. 1. From MFRs Document 10944-06* 2. From Sebring Lakes system 3. from MFRs

4. From MFRs Document 10944-06

5. From MFRs Document 937-07

Silver Lake Estates - Western Shores

Average Day Flow (gpd) Maximum Day Flow (gpd) Calculated Peak Hour Flow (Peak Factor	743,771 2,200,000 gpd) 4,400,000 2	I					
Average Day Flow (gpm) Maximum Day Flow (gpm) Calculated Peak Hour Flow (Peak Factor	517 1,528 (gpd) 3,056 2						
UNACCOUNTED FOR WA UAW Excess	TER ADJUSTMENT 12.3% 2 2.3%						
UAW Adjustment (gpm)	11.9						
Adjusted Flows Maximum Day Flow (gpm) Calculated Peak Hour Flow ((gpd) 1,516 3,032						
GROWTH ADJUSTMENT An. ERC Growth	0%	3					
Period Growth Factor	7 1.00						
Adjusted Flows Maximum Day Flow (gpm) Calculated Peak Hour Flow ((gpd) 1,516 (gpd) 3,032						
Required Fire Flow (gpm)	500	4					
Wells 1425 1425 600	gpm 5 gpm 5 gpm 5 gpm 5		HSPs 950 950 950 350 350	6 6 6 6	Stornge Volume Adjust Usable Volume Max Day (gal) Fector	65,000 g 0.9 58,500 g 2,182,893 g 0.25	çals gals gals
Firm 2023	5		2600		Max Day Volume Fire Flow Fire Flow Duration	545,723 g 500 g 2 l	gals gpm hrs
Firm Capacity (gpm)	2,025	Test 1 Firm Cap	acity (gpm) 2,600		Fire Volume	60,000 g	gais
Max Day (gpm)	1,516	Peak Hou	rr Flow (gpm) 3,031.8		Total	605,723 g	zals
Adjusted Max Day Used and Uscful	1,516 74,86%	Used and	Useful 100.00%		Used and Useful	100.00%	
		Test 2 Firm Cap Max Day Fire Flow Peak Flow Used and	acity (gpm) 2,600 (gpm) 1,516 (gpm) 750 v 2,266 Useful 87%				

Notes

1. from MFRs Document 10970-06

2. from MFRs Document 10970-06

3. MFRs show -1.61%

4. from MFRs Document 10970-06

5. from San Survey, totals match MFR Doc. 1217-07

6. from San Survey matches field data, differs slightly from MFR 7. from MFR Document 1217-07

Silver Lake Oaks

Average Day Flow (Maximum Day Flow Calculated Peak Ho Peak Factor	(gpd) w (gpd) our Flow (gpd)	5,009 16,000 32,000 2	l				
Average Day Flow ((gpm)	3					
Maximum Day Flor	w (gpm)	Ц					
Calculated Peak Ho	our Flow (gpm)	22					
Peak Factor		2					
UNACCOUNTED	FOR WATER ADJ	USTMENT					
UAW		2.7% 2					
Excess	(0.0%					
UAW Adjustment ((gpm)	-					
Adjusted Flows							
Maximum Day Flor	w (gpm)	11.1					
Calculated Peak Ho	our Flow (gpd)	22.2					
GROWTH ADJUS	TMENT						
An, ERC	Growth	0.69%	3				
Period		7					
Growth I	Factor	1.05					
Adjusted Flows							
Maximum Day Flo	w (gym)	12					
Calculated Peak He	our Flow (gpd)	23					
Required Fire Flow	(gpm)		4				
Wells				HSPs		Storage	
						Volume	12,000 gals
	75 gpm	5		20	5	Adjust	0.9
	gpm			20	5	Usable Volume	10,800 gals
	gpm						
	gpm					Max Day (gal)	16,773 gals
i otai	/) 75			40		ractor	9.25
rian	15			20		Max Day Allowance	4,193 gais
Treatment Hand on	d Haaful					Fire Flow	- gpm
ireaument Used an	u oseini					Fire Flow Duration	2 brs
Firm Capacity (gpm))	75	Firm Capacity (gpm)	20		I IIC VOINIIIC	- gas
Max Dav (gpm)	•	12	Peak Flow (gpm)	23.3		Total	4,193 gals
Fire Flow (gpm)		-	· · · · · · · · · · · · · · · · · · ·				, 8
Adjusted Max Day		12					
Used and Useful	15.	53%	Used and Useful	100.00%		Used and Useful	38.83%

Notes

1. from MFRs Document 10993-06

2. from MFRs Document 10993-06

3. MFRs show 0.69% but indicate service area is builtout

4. from MFRs Document 10993-06

5. from MFRs Document 937-07

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 54 of 69 Water Used/Useful

Skycrest

Average Day Flow (gpd) Maximum Day Flow (gpd)	21,945 44,100
Calculated Peak Flow (gpd)	88,200
Peak Factor	2
Average Day Flow (gpm)	15
Maximum Day Flow (gpm)	31
Calculated Peak Flow (gpm)	61
Peak Factor	2
UNACCOUNTED FOR WATER A	DJUSTMENT
UAW	9.2% 3
Excess	0.0%
UAW Adjustment (gpm)	-
Adjusted Flows	
Maximum Day Flow (gpm)	30.6
Calculated Peak Hour Flow (gpd)	61.3
GROWTH ADJUSTMENT	and protocol first to
An. ERC Growth	5.00%
Period	7
Growth Factor	1.35
Adjusted Flows	
Maximum Day Flow (gpm)	41
Calculated Peak Hour Flow (gpd)	83
Required Fire Flow (gpm)	500
Wells	
500 gpm	6
Total 675	, v
Firm 175	
Treatment Used and Useful	
Test 1	
Firm Capacity (gpm)	175
Peak Flow (gpm)	83
Used and Useful	47.25%
Test 2	
Firm Capacity (gpm)	175
Max Day (gpm)	41
Fire Flow (gpm)	500
Peak Flow (gpm)	541
Used and Useful	100%

2

4

5

Notes

1. The system maps show no fire hydrant or sufficienly sized lines to provide fire flow 2. from MFRs Document 10969-06

3. from MFRs Document 10969-06

4. MFRs show 5.74% but indicate service area is built out

5. from MFRs Document 10969-06 6. from MFRs Document 937-07

1

3

4

Stone Mountain

Average	e Day Flow (gpd)	2,140
Maximu	ım Day Flow (gpd)	6,600
Calcula	ted Peak Flow (gpd)	13,200
Peak Fa	ctor	2
Average	e Day Flow (gpm)	1
Maximi	ım Day Flow (gpm)	5
Calcula	ted Peak Flow (gpm)	9
Peak Fa	ctor	2
UNACO	COUNTED FOR WATER A	ADJUSTMENT
	UAW	30.8% 2
	Excess	20.8%
UAW A	djustment (gpm)	0.3
Adjuste	d Flows	
Maximu	ım Day Flow (gpm)	4.3
Calcula	ted Peak Hour Flow (gpd)	8.5
GROW	TH ADJUSTMENT	
	An. ERC Growth	1.36%
	Period	7
	Growth Factor	1.10
Adjuste	d Flows	
Maxim	ım Day Flow (gpm)	5
Calcula	ted Peak Hour Flow (gpd)	9
Require	ed Fire Flow (gpm)	
Wells	,	
	state the symp	5
Total	BF	
Firm	100	
Treatm	ent Used and Useful	
Test 1		
Firm Ca	pacity (gpm)	100
Peak Flo	ow (gpm)	9
Used an	d Useful	9.36%

Notes

from MFRs Document 10971
 from MFRs Document 1218-07
 MFRs show 1.36% but indicate service area is built out
 from MFRs Document 10971
 from MFRs Document 1217-07

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 56 of 69 Water Used/Useful

.

Summit Chase

Average Da Maximum I Calculated Peak Factor	y Flow (gpd) Day Flow (gpd Peak Flow (gp r	i) ođ)		29,973 72,400 144,800 2	2
Average Da Maximum I Calculated Peak Facto	iy Flow (gpm) Day Flow (gpn Peak Flow (gp r	n) om)		21 50 101 2	
UNACCOL	INTED FOR V	WATER A	ADJUST.	MENT	
	UAW Excess		5.5% 0.0%	3	
UAW Adju	stment (gpm)			-	
Adjusted F Maximum Calculated	lows Day Flow (gpr Peak Hour Fl	n) ow (gpm)		50.3 100.6	
GROWTH	ADJUSTME An. ERC Grow Period Growth Factor	NT vth		0% 7 1.00	• 4
Adjusted F Maximum Calculated	lows Day Flow (gpi Peak Hour Fl	m) ow (gpd)		50 101	
Required F	ire Flow (gpn	1)		500	5
Wells		525 gpm	L	6	
Total		625		Ū	
Firm		100			
Treatment Test 1	Used and Use	ful			
Firm Capac	ity (gpm)		100		
Peak Flow Used and U	(gpm) seful		101 100.00%		
Test 2					
Firm Capac	ity (gpm)		100		
Max Day (g	gpm)		50		
Fire Flow (gpm) (com)		500		
Used and U	(seful		100%		

4

5

Notes

1. Maps show the system has the hydrants and lines sizes to provide fire flow

2. from MFRs Documents 10958-06

3. from MFRs Documents 10958-06

4. MFRs show 10.31% but indicate the service area is builtout

5. from MFRs Documents 10958-06

6. Used data from on site O&M Manual

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 57 of 69 Water Used/Useful

Sunny Hills Combined

Average Day Flow (gpd) Maximum Day Flow (gpd) Calculated Peak Hour Flo Peak Factor	π (gpd)	180,685 400,500 801,000 2	i					
Average Day Flow (gpm)		125						
Maximum Day Flow (gpm	i)	278						
Calculated Peak Hour Flo	w (gpm)	556						
Peak Factor		2						
UNACCOUNTED FOR V	VATER ADJUSTME	INT						
UAW Excess	43.0%	2						
UAW Adjustment (gpm)		41.4						
Adjusted Flows								
Maximum Day Flow (gpm	1)	236.7						
Calculated Peak Hour Flo	ow (gpd)	473.4						
GROWTH ADJUSTMEN	IT							
An. ERC Grow	h 🔤	3.78%	3					
Period		7						
Growth Factor		1.26						
Adjusted Flows								
Maximum Day Flow (gpn	1)	299						
Calculated Peak Hour Flo	ow (gpd)	599						
Required Fire Flow (gpm)) 俳	700	4					
Wells				HSP		Storage		
						Volume	70,000	gals
	517 gpm	5		200	5	Adjust	0.9	
	510 gpm	5		300	5	Usable Volume	63,000	guis
	200 gpm	6		510	2			
	gpm			200	8	Max Duy (gal)	431.069	gais
Total I	227			1210		Pactor Man Day Allowers	0.25	مام
l'um	/10			700		Mux Day Anowance	107,707	ƙana
						Fire Flow Duration		gpin hre
f Learment fised and fiser			Tart 1			Fire Volume		osle
Firm Capacity (appa)	710		Finn Canacily (rom)	700		y cruite	-	
Max Day (apm)	290		Peak Flow (gpm)	598.7		Total	107,767	gais
Fire Flow (gpm)			i can i to o (64-m)					•
Adjusted Max Day	740							
Used and Useful	42.16%		Used and Useful	85.53%		Used and Useful	100.00%	
			Test 2					
			Firm Capacity (gpm)	700				
			Max Day (gpm)	299				
			Fire Flow (gpm)	700				
			Peak Flow	999				
			Used and Useful	100%				

Noles

1. Used data for WTP no 4. WTP no 1 is out of service. This agrees with MFRs Used data for WTP no 4. WTP no 1 is out 1. from MFRs document 937-07
 from MFRs bocunent 1218-07
 from MFRs document 937-07
 from MFRs document 937-07
 from MFRs document 937-07
 from MFRs document 937-07
 will at WTP 4 also acts as high service Well at WTP 5 also acts as high service

8. Well at WTP 5 also acts as high service 9. The system maps do not show sufficient hydrants to provide fire protection

Sunny Hills 1 and 4

Average Day Flow (gpo Maximum Day Flow (g Calculated Peak Hour Peak Factor	i) pd) Flow (gpd)		163,841 400,000 800,000 2	l				
Average Day Flow (gp	n)		114					
Maximum Day Flow (g	(pm)		278					
Calculated Peak Hour	Flow (gpm)		556					
Peak Factor			2					
Unancounted for Wate	r Adjustmen	t						
UAW		43.0%	2					
Excess		33.0%						
Adjustment (gpm)			37.5					
Adjusted Flows								
Maximum Day Flow (g	(թա)		240.2					
Calculated Peak Hour	Flow (gpm)		480.5					
Required Fire Flow (g	pm)		700	3				
Wells					HSPs		Storage	mentation is at 2007 1000
							Volume	70,000 gals
	517 gpm		4		200	4	Adjust	0.9
	510 gpm		4		300	4	Usable Volume	63,000 gals
	gpm				510	5		400.000 J-
m . 1	gpm				1010		Max Day (gal)	400,000 gais
Total	1027				1010		Factor Man Day Allowange	0.25 100.000 main
rim	510				300		Fire Flow	100,000 gais
Terestaria I land and I							Fire Flow Duration	2 brs
Treatment Used and C	serai		•	Test 1			Fire Volume	- eals
Firm Canadity (anm)		510		Firm Canacity (ann) 500		The volume	6
Max Day (gpm)		240		Peak Flow (gpm)	480.5		Total	100.000 gals
Fire Flow (grm)		-		(Br)				
Adjusted Max Day		240						
Used and Useful		47.10%		Used and Useful	96.09%		Used and Useful	158.73%
				Test 2				
				Firm Capacity (gpm) 500			
				Max Day (gpm)	240			
				Fire Flow (gpm)	700			
				Peak Flow	940			
				Used and Useful	188%			

Notes

1. Used data for WTP no 4. WTP no 1 is out of service. This agrees with MFRs

1. from MFRs document 937-07

2. from MFRs Document 1218-07

3. from MFRs document 937-07

4. from MFRs document 937-07

5 Well at WTP 4 also acts as high service

6. The system maps do not show sufficient hydrants to provide fire protection

Sunny Hills 5

Average Da Maximum Calculated Peak Facto	ay Flow (gpd) Day Flow (gpd) Peak Flow (gpo r	1)	2,087 10,000 20,000 2
Average Da	ay Flow (gpm) Day Flow (mm	N N	1
Coloulotod	Day Flow (gpm) m)	14
Peak Facto	reak riow (gpi or	11)	2
Unaacount	ed for Water A UAW Excess	djustment 43.0% 33.0%	2
Adjustmen	t (gpm)		0.5 -
Adjusted F Maximum Calculated Required I	Flows Day Flow (gpm Peak Flow (gpn) Fire Flow (gpm)) m)	6.5 12.9 700
Wells		200 gpm	from Sanitary Sruvey
Total		200	
Firm		200	
Treatment Test 1	Used and Usefi	ıl	
Firm Capac	ty (gpm)	200	
Peak Flow	(gpm)	13	
Used and L	Jseful	6.47%	0
Test 2			
Firm Capac	city (gpm)	200)
Max Day (gpm)	6	
Fire Flow (gpm)	700	
Peak Flow	(gpm)	706	
Used and U	Jseful	353%	ó

1

3

Notes

1. from MOR analysis; MFRs are combined for all wells

2. from MFRs Document 1218-07

3. from MFRs document 937-07

4. from Sanitary Sruvey

Tangerine

Average Day Flow (gpd) Maximum Day Flow (gpd) Calculated Peak Flow (gpd Peak Factor	3)	118,834 326,600 653,200 2	2	
Average Day Flow (gpm)		83		
Maximum Day Flow (gpm)	227		
Calculated Peak Flow (gpi	m)	454		
Peak Factor		2		
UNACCOUNTED FOR W	ATER ADJUST	MENT		
UAW	22.3%	3		
Excess	12.3%			
UAW Adjustment (gpm)		10.2		
Adjusted Flows				
Maximum Day Flow (gpm)	216.7		
Calculated Peak Hour Flo	w (gpm)	433.3		
GROWTH ADJUSTMEN	T			
An. ERC Growt	h	0.72%	4	
Period		7		
Growth Factor		1.05		
Adjusted Flows Maximum Day Flow (gpm Calculated Peak Hour Flo) w (gpd)	228 455		·
Required Fire Flow (gpm)		500		5
Wells	250 gpm 250 gpm	6 6		
Total	500			
Firm	250			
Treatment Used and Usefi Test 1	1]			
Firm Capacity (gpm)	250			
Peak Flow (gpm)	455			
Used and Useful	100.00%)		
Test 2				
Firm Capacity (gpm)	250)		
Max Day (gpm)	228			
Fire Flow (gpm)	500			
Peak Flow (gpm)	728			
Used and Useful	100%			
 Maps show the system ca Used average of 5 highes From MFRs Document 11 from MFRs Document 1 From MFRs 	n only provide pa t days in the max : 0976-06* 218-07	rtial coverage wit month of Sep	th limited hydr	ants and piping

Notes

4. From MFRs

5. From MFRs Document 10976-06

6. From MFRs Document 1217-07

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 61 of 69 Water Used/Useful

Tomoka-Twin Rivers

			Weighting		
System	Connections	sed and Usef	Factor		
Tomoka					
Wells	196	5 29.34%	57.51		
Storage	196	5 100.00%	196.00		
HSP	196	5 75.23%	147.45		
Twin Rivers					
Wells	77	28.66%	22.07		
Storage	72	7 100.00%	77.00		
HSP	77	7 100.00%	77.00		
Total	273	3			
Averaged Used and Useful					

00.00%
82.22%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 62 of 69 Water Used/Useful

100.00%

Used and Useful

•

Tomoka

Average Day Flow (gpd)	44,209					
Maximum Day Flow (gpd)	84,500	1				
Calculated Peak Hour Flow (gpd)	169,000					
Peak Factor	2					
Average Day Flow (gpm)	31					
Maximum Day Flow (gpm)	59					
Calculated Peak Hour Flow (gpm)	117					
Peak Factor	2					
Unaacounted for Water Adjustmen	ıt					
UAW	-8.5% 2					
Excess	0.0%					
Adjustment (gpm)	-					
Adjusted Flows						
Maximum Day Flow (gpm)	58.7					
Calculated Peak Hour Flow (gpm)	117.4					
Required Fire Flow (gpm)		3				
Wells			HSPs		Storage	
					Volume	15,000 gals
343 gpm			78	6	Adjust	0.9
200 gpm	from MFRs		78	6	Usable Volume	13,500 gals
gpm			78	6		
gpm					Max Day (gal)	84,500 gals
Total 543			234		Factor	0.25
Firm 200			156		Max Day Allowance	21,125 gals
					Fire Flow	- gpin
Treatment Used and Useful					Fire Flow Duration	2 hrs
		Test 1			Fire Volume	- gals
Firm Capacity (gpm)	200	Firm Capacity (gpm)	156			
Max Day (gpm)	59	Peak Flow (gpm)	117.4		Total	21,125 gals
Fire Flow (gpm)	-					
Adjusted Max Day	59					

Used and Useful

75.23%

Notes

1. from MOR analysis; MFRs combine Twin Rivers with Tomoka

2. from MFRs Document 11001-06

3. from MFRs Document 11001-06

4. from MFRs

Used and Useful

5. field survey

6 Calculated based on a 5 hp motor at 70 psi with a 70% pump eff and 90% motor eff

29.34%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 63 of 69 Water Used/Useful

Twin Rivers

Average Day Flow (gp	d)	28,388					
Maximum Day Flow (gpd)	110,600	1				
Calculated Peak Hour	Flow (gpd)	221,200					
Peak Factor		2					
Average Day Flow (gp	m)	20					
Maximum Day Flow (ցրու)	77					
Calculated Peak Hour	Flow (gpm)	154					•
Peak Factor		2					
Unascounted for Wate	er Adjustment						
UAW	-8.5%	2					
Excess	0.0%						
Adjustment (gpm)		-					
Adjusted Flows							
Maximum Day Flow (gpm)	76.8					
Calculated Peak Hour	Flow (gpm)	153.6					
Required Fire Flow (g	pm)	-	3				
Wells				HSPs		Storage	
						Volume	15,000 gals
	268 gpm	4		78	6	Adjust	0.9
	gpm			78	6	Usable Volume	13,500 gals
	gpm						
	gpm					Max Day (gal)	110,600 gals
Total	268			156		Factor	0.25
Firm	268			78		Max Day Allowance	27,650 gals
						Fire Flow	- gpm
Treatment Used and U	lseful					Fire Flow Duration	2 hrs
			Test 1			Fire Volume	- gals
Firm Capacity (gpm)	268		Firm Capacity (gpm)	78			
Max Day (gpm)	77		Peak Flow (gpm)	153.6		Total	27,650 gals
Fire Flow (gpm)	-						
Adjusted Max Day	77						
Used and Useful	28.66%		Used and Useful	100.00%		Used and Useful	100.00%

Notes

1. from MOR analysis; MFRs combine Twin Rivers with Tomoka

2. from MFRs Document 11001-06

3. from MFRs Document 11001-06

4. from MFRs

.

5. field survey

6 Calculated based on a 5 hp motor at 70 psi with a 70% pump eff and 90% motor ef.

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 64 of 69 Water Used/Useful

Valencia Terrace

Average Day Flow (gpd) Maximum Day Flow (gpd) Calculated Peak Flow (gpd) Peak Factor	69,180 127,300 254,600 2
Average Day Flow (gpm) Maximum Day Flow (gpm) Calculated Peak Flow (gpm) Peak Factor	48 88 177 2
UNACCOUNTED FOR WATER A	DJUSTMENT
UAW	9.7% 3
Excess	0.0%
UAW Adjustment (gpm)	-
Adjusted Flows	
Maximum Day Flow (gpm)	88.4
Calculated Peak Hour Flow (gpd)	176.8
GROWTH ADJUSTMENT	1111 0 D C 82
An. ERC Growth	0.95%
Growth Factor	1.07
Glowin Pation	1.07
Adjusted Flows Maximum Day Flow (gpm) Calculated Peak Hour Flow (gpd)	9 4 189
••••••••••••••••••••••••••••••••••••••	
Required Fire Flow (gpm)	500
Wells 750 gpm 250 gpm	6 6
Total 1000	
Firm 250	
Treatment Used and Useful Test 1	
Firm Capacity (gpm)	250
Peak Flow (gpm)	189
Used and Useful vp	
Test 2	250
Firm Capacity (gpm)	230
Fire Flow (mm)	500
File Flow (gpin)	594
Leed and Liseful	100%
Osed and Oserin	10070

2

4

5

Notes

1. System mpas show sufficient hydrants and lines sizes to provide fire flow 2. From MFRs

3. from MFRs Document 10972-06

4. MFRs show 0.95% but indicate service area is built out

5. from MFRs Document 10972-06

6. from MFRs Document 937-07

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 65 of 69 Water Used/Useful

1

3

4

.

Venetian Village

Average Day Flow (gpd)	31,526
Maximum Day Flow (gpd)	64,400
Calculated Peak Flow (gpd)	128,800
Peak Factor	2
Average Day Flow (gpm)	22
Maximum Day Flow (gpm)	45
Calculated Peak Flow (gpm)	89
Peak Factor	2
UNACCOUNTED FOR WATER	ADJUSTMENT
UAW	11.9% 2
Excess	1.9%
UAW Adjustment (gpm)	0.4
Adjusted Flows	
Maximum Day Flow (gpm)	44.3
Calculated Peak Hour Flow (gpd)	88.6
GROWTH ADJUSTMENT	
An. ERC Growth	1.15%
Period	7
Growth Factor	1.08
Adjusted Flows	
Aujusteu Flows Marimum Day Flow (mm)	49
Coloriated Book Hour Flow (gpm)	48
Calculated reak nour flow (gpd)	96
Required Fire Flow (gpm)	
Wells	
240 gpm	4
Total 340	4
Firm 100	
11111 100	
Treatment Used and Useful	
Test 1	
Firm Capacity (gpm)	100
Peak Flow (gpm)	96
Used and Useful	95.75%

from MFRs Document 10973-06
 from MFRs Document 1218-07
 from MFRs
 from MFRs Document 10973-06
 from MFRs Document 937-07

.

.

Welaka - Saratoga Harbour

Average Day Flow (gpd)		20.325							
Maximum Day Flow (ppd)		66 196	- F						
Calculated Peak Hour Flor	v (end)	[12 792							
Peak Factor		2							
Average Day Flow (gpm)		14							
Maximum Day Flow (gpm))	46							
Calculated Peak Hour Flor	v (gam)	92							
Peak Factor	ier /	2							
UNACCOUNTED FOR W	ATER ADJUST	MENT							
UAW	11.6%	2							
Excess	1.6%	•							
UAW Adjustment (gpm)		0.2							
Adjusted Flows									
Maximum Day Flow (gpm))	45.9							
Calculated Peak Hour Flow	n (gpd)	91.8							
GROWTH ADJUSTMEN	r								
An. ERC Growt	h	0%	3						
Period		7							
Growth Factor		1.00							
Adjusted Flows									
Maximum Day Flow (gpm)	•	46							
Calculated Peak Hour Flor	r (gpd)	92							
Required Fire Flow (gpm)			4						
Wells					HSPi		Storage		
We also de la Maria de la							Volume	48,000	gals
	86 gpm	5			186	7	Adjust	0.9	
	10 gpm	6			140	8	Usable Volume	43,200	gals
1, 3100 - 100 - 100 - 100 - 1	10 gpm	6			140	8			
	gpm						Max Day (gal)	66,071	gals
Total 4	106				466		Factor	0.25	
rum	10	Unly one Saratoga	well with 2 pu	រពាព្រទ	280		Max Day Allowance	16,518	Ē912
T							Fire Flow	-	gpm
reaument Used and Usefu	1		-				Fire Flow Duration	2	hrs
Firm Courseiler (m. 11)			Test 1				Fire Volume	-	gals
rum Capacity (gpm)	110		Firm C	abacity (gbm)	280				
iviax (Jav (gpm) .	46		Penk F	low (gpm)	91.8		Tota	16,518	gals
rine riow (gpin)	-								
Aujusico wax Day	46								
USCO HIND USCIUL	41.71%		Used a	nd Useful	32.77%		Used and Useful	38.24%	

Notes

1. MFRs use 45,900 on Sept 20 for max day instead of 71,340 from MORs I. Used average of 5 highest days in the max month of Aug

2. from MFRs Document 1218-07

3. MFRs show -10.08%

4. from NIFRs Document 10994-06 5. Welaka well from MFRs Doc 1217-07

Saratoga well pump from Sanitary Survey
 Welaka well acts as high sevice

8. From Seratoga Sen Survey 9. from MFRs Document 1217-07

Dockel No. 060368-WS Andrew T, Woodcock, Exhibit ATW-3 Page 67 of 69 Water Used/Useful

5

Wootens

Average Day Flow (gr	id)	2,802						
Maximum Day Flow (gpd)	11,326	1					
Calculated Peak Flow	(gpd)	22,652						
Peak Factor		2						
Average Day Flow (gj	om)	2						
Maximum Day Flow (gpm)	8						
Calculated Peak Hour	Flow (gpm)	16						
Peak Factor		2						
UNACCOUNTED FO	R WATER AI	DJUSTMENT						
UAW	le i sui	20.5% 2						
Excess	10 100	10,5%						
UAW Adjustment (gp	m)	0.2						
Adjusted Flows								
Maximum Day Flow ((mag	77						
Calculated Peak Hou	Flow (gpd)	15.3						
GROWTH ADJUSTN	AENT							
An. ERC G	rowth	0%	3					
Period		7						
Growth Fac	tor	1.00						
Adjusted Flows								
Maximum Day Flow (enm)	8						
Calculated Peak Hou	Flow (gpd)	15						
Required Fire Flow (p	;pm)		4					
Wells				HSP.		Storage		
						Volume	1 800 male	
	20 gpm	5		78	6	A dinet	1,000 gais	
	20 Bbin	5		78	6	Umble Volume	1.670 male	
	ebui			/"	0	Gaadie Volume	1,020 8413	
	gpin					Max Day (cal)	11037 vals	
Total	20			156		Factor	0.25	
Firm	20			156		Max Day Allowance	2 758 mle	
	2.0			150		Fire Flow	- "Pun	
Treatment Used and I	lseful					Fire Flow Duration	- gpm 2 hrs	
			Test 1			Fire Volume	- pals	
Firm Capacity (gom)		20	Firm Canacity (20m)	156		· ·····	guis	
Max Day (gpm)		8	Peak Flow (ppm)	153		Total	2 758 pale	
Fire Flow (gpm)		-	Concentration (Bbin)			L UIMI	2, 50 gaia	
Adjusted Max Day		8						
Used and Useful		38 30%	Used and Useful	9 87%		Used and Useful	100.00%	

Notes

I. from MFRs Document 10995-06*

- 1. Used average of 5 highest days in the max month of Apr 2. from MFRs Document 1218-07
- 3. MFRs show 5.62% but indicate the service area is builtout

4. from MFRs Document 10995-06 5. from MFRs Document 1217-07

6. Calculated based on a 5 hp motor at 70 psi with 70% pump eff and 90% motor eff

The Woods

Average Day Flow (gp	d)	4,578					
Maximum Day Flow (gpd)	13,200	1				
Calculated Peak Flow	(gpd)	26,400					
Peak Factor		2					
Average Day Flow (gp	m)	3					
Maximum Day Flow (gpm)	9					
Calculated Peak Hour	Flow (gpm)	18					
Peak Factor		2					
UNACCOUNTED FO	R WATER A	DJUSTMENT					
UAW		-74.1% 2					
Excess		0.0%					
UAW Adjustment (gps	m)	-	-				
Adjusted Flows							
Maximum Day Flow (gpm)	9.2					
Calculated Peak Hour	Flow (gpd)	18.3					
GROWTH ADJUSTM	IENT						
An. ERC Gr	rowth	0%	3				
Period		7					
Growth Fact	lor	1.00					
Adjusted Flows							
Maximum Day Flow (enm)	0					
Calculated Peak Hour	Flow (gpd)	18					
· · · · · · ·							
Required Fire Flow (g	pm)		4				
Wells				HSPs		Storage	1000-1100-1000-1-1 1
at the state of the						Volume	2,500 gals
	100 gpm	3		102	0	Adjust	0.9
	gpm			102	0	Usable Volume	2,250 gals
	gpui					Man Day (and)	12 300
Total	100 89/11					Max Day (gai)	15,200 gais
Firm	100			102		May Day Allowance	3 300 eals
						Fire Flow	- gnu
Treatment Used and U	seful					Fire Flow Duration	2 hrs
			Test 1			Fire Volume	- gals
Firm Capacity (gpm)		100	Firm Capacity (gpm)	102			8
Max Day (gpm)		9	Peak Flow (gpm)	18.3		Total	3,300 gals
Fire Flow (gpm)		-					
Adjusted Max Day		9					
Used and Useful		9.17%	Used and Useful	17.97%		Used and Useful	100.00%

Used and Useful

Used and Useful

100.00%

Notes

.

1. from Document 10990-06

2. from MFRs Document 1218-07

3. From MFRs

4. from MFRs Document 10990-06

5. from MFRs Document 937-07

6. from MFRs Document 937-07: 2 pumps at inspection

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-3 Page 69 of 69 Water Used/Useful

Zephyr Shores

Average Day Flow (gpd)	20,708
Maximum Day Flow (gpd)	64,000
Calculated Peak Flow (gpd)	128,000
Peak Factor	2
Average Day Flow (gpm)	14
Maximum Day Flow (gpm)	44
Calculated Peak Flow (gpm)	89
Peak Factor	2
UNACCOUNTED FOR WATER A	ADJUSTMENT
UAW	-15.0% 2
Excess	0.0%
UAW Adjustment (gpm)	-
Adjusted Flows	
Maximum Day Flow (gpm)	44.4
Calculated Peak Hour Flow (gpm)	88.9
GROWTH ADJUSTMENT	
An. ERC Growth	0.65%
Period	7
Growth Factor	1.05
Adjusted Flows	
Maximum Day Flow (gpm)	46
Calculated Peak Hour Flow (gpd)	93
Required Fire Flow (gpm)	a la companya da companya d
Wells	
530 gpm	5
Total 1030	0
Firm 500	
Treatment Used and Useful	
Test 1	
Firm Capacity (gpm)	500
Peak Flow (gpm)	93
Used and Useful	18.59%
1. MOR Analysis*	

1

3

4

.

1. MFR data using max day of 156,000 gpd which is not in MORs

2. from MFRs Document 1218-07

3. from MFRs

Notes

4. From MFRs 10980-06

5. From MFRs Document 1217-07

6. From field inspection of new constructed well

EXHIBIT ATW-4

WASTEWATER USED AND USEFUL

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 1 of 25 Wastewater Used/Useful

	Adj Test	Permitted	Ĩ	Non	
System	Year Flow	Flow	U&U	U&U	Notes
Arredondo Farms	32,000	60,000	53.33%	46.67%	
Beecher's Point	NA	NA	0.00%	100.00%	Interconnected
Chuluota	128,250	400,000	32.06%	67.94%	
FL Central Commerce Park	53,000	95,000	55.79%	44.21%	
Holiday Haven	12,053	25,000	48.21%	51.79%	
Park Manor	3,657	15,000	24.38%	75.62%	
Kings Cove	42,000	55,000	76.36%	23.64%	
Jasmine Lakes	212,000	308,000	68.83%	31.17%	
Jungle Den	8,455	21,000	40.26%	59.74%	
Lake Gibson Estates	NA*	NA	0.00%	100.00%	Interconnected
Leisure Lakes	19,497	50,000	38.99%	61.01%	
Morningveiw	5,000	20,000	25.00%	75.00%	
Palm Port	12,321	30,000	41.07%	58.93%	
PalmTerrace	114,000	130,000	87.69%	12.31%	
Rosalie Oaks	8,749	15,000	76.07%	23.93%	
Silver Lake Oaks	4,195	12,000	34.96%	65.04%	
South Seas	44,000	264,000	16.67%	83.33%	
Summit Chase	24,374	54,000	45.14%	54.86%	
Sunny Hills	18,000	50,000	36.33%	63.67%	
Valencia Terrace	35,000	80,000	43.75%	56.25%	
Venetian Village	17,651	36,000	49.03%	50.97%	
Village Water	23,705	75,000	31.61%	68.39%	
The Woods	7,042	15,000	46.95%	53.05%	
Zephyr Shores	NA	NA	0.00%	100.00%	Interconnected

Wastewater Treatment Used and Useful Summary

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 2 of 25 Wastewater Used/Useful

Arredondo Farms

Flows		
Annual Avg. (gpd)	32,000	from DMR analysis
Max. Month (gpd)	47,000	from DMR analysis
Max. Three Mo.Avg (gpd)	43,000	from DMR analysis
Infiltration/Inflow Adjustment		
Test Year Water Sold (gal)	16,105,309	from MFRs
Test Year Water Sold (gpd)	44,124	
Return Factor	80%	Adjust Test Year Water Sold
Water Returned to WW (gpd)	35,299	Test Year Water Si 27,109,000 from MFRs
Test Year Wastewater AADF (gpd) 32,000	Test Year Avg W J 535.1
Difference	(3,299)	Test Year Avg WV 317.9
Percent I/I	0%	Ratio W/WW 0.59
Allowable I/I	10%	Adjusted Water So 16,105,309
Adjustment	0%	
Adjusted Flow	32,000	
Growth Adjustment		
Annual ERC Growth	0.00% MFRs	show -0.05%
Period	7	
Growth Factor	1.00	
Adjusted Flow	32,000	
Permit		
Flow Basis	Annual Average	
Flow (gpd)	60,000	from MFR Doc. 10941-06
	52.220/	
Used and Useful	53.33%	

Notes Missing Nov 2005 DMR; Used data from MFR MFRs show max month as 50,000 in Dec; does not agree with DMRs

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 3 of 25 Wastewater Used/Useful

Beechers Point

Interconnected

Infiltration/Inflow Adjustment		
Test Year Water Sold (gal)	870,525	
Test Year Water Sold (gpd)	2,385	
Return Factor	80%	
Water Returned to WW (gpd)	1,908	
Test Year Wastewater AADF (gpd)	1,296	
Difference	(612)	
Percent I/I	0%	
Allowable I/I	10%	
Adjustment	0%	
Adjusted Flow	-	
Adjust Test Year Water Sold		
Test Year Water Sold (gal)	2,102,000	from MFRs
Test Year Avg W ERCs	99	
Test Year Avg WW ERCs	41	
Ratio W/WW	0.41	
Adjusted Water Sold	870,525	

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 4 of 25 Wastewater Used/Useful

Chuluota

Flows	and a state of the state of the state.		
Annual Avg. (gpd)	95,000	from DMR analysis	
Max. Month (gpd)	115,000	from DMR analysis	
Max. Three Mo.Avg (gpd)	107,000	from DMR analysis	
Infiltration/Inflow Adjustment			
Test Year Water Sold (gal)	52,734,875	Adjust Test Year Water Sold	
Test Year Water Sold (gpd)	144,479	Test Year Water Sold (gal	127,402,000
Return Factor	80%	Test Year Avg W ERCs	1307
Water Returned to WW (gpd)	115,583	Test Year Avg WW ERCs	541
Test Year Wastewater AADF (gpd)	95,000	Ratio W/WW	0.41
Difference	(20,583)	Adjusted Water Sold	52,734,875
Percent I/I	0%		
Allowable I/I	10%		
Adjustment	0%		
Adjusted Flow	95,000		
Growth Adjustment			
Annual ERC Growth	5.00%	MFRs show 36.08%	
Period	7		
Growth Factor	1.35		
Adjusted Flow	128,250		
Permit			
Flow Basis	Annual Average		
Flow (gpd)	400,000	from MFRs Doc. 10996-06	

Used and Useful

32.06%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 5 of 25 Wastewater Used/Useful

Florida Central Commerce Park

Flows		
Annual Avg. (gpd)	53,000 fro	om DMR Analysis
Max. Month (gpd)	67,000 fro	om DMR Analysis
Max. Three Mo.Avg (gpd)	57,000 fro	om DMR Analysis
Infiltration/Inflow Adjustment		
Test Year Water Sold (gpd)	-	
Test Year Water Sold (gpd)	-	
Return Factor	80%	
Water Returned to WW (gpd)	-	
Test Year Wastewater AADF (gpd)	53,000	
Difference	53,000	
Percent I/I	0%	
Allowable I/I	10%	
Adjustment	0%	
Adjusted Flow	53,000	
Growth Adjustment		
Annual ERC Growth	0.00%	MFRs show 1.72% but indicate the service area is built out
Period	7	
Growth Factor	1.00	
Adjusted Flow	53,000	
Permit		
Flow Basis	Annual Average	
Flow (gpd)	95,000 fr	om MFRs Doc 10997-06

Used and Useful

55.79%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 6 of 25 Wastewater Used/Useful

Holiday Haven

Flows	
Annual Avg. (gpd)	15,000 from DMR Analysis
Max. Month (gpd)	25,000 from DMR Analysis
Max. Three Mo.Avg (gpd)	22,000 from DMR Analysis
Infiltration/Inflow Adjustment	
Test Year Water Sold (gal)	4,815,000
Test Year Water Sold (gpd)	13,192
Return Factor	80%
Water Returned to WW (gpd)	10,553
Test Year Wastewater AADF (gpd)	15,000
Difference	4,447
Percent I/I	30%
Allowable I/I	10%
Adjustment	20%
Adjusted Flow	12,053
Growth Adjustment	
Annual ERC Growth	0.00% MFRs show 0.86% but indicate service are is built out
Period	7
Growth Factor	1.00
Adjusted Flow	12,053
Permit	
Flow Basis	Annual Average
Flow (gpd)	25,000 from MFR Doc. 10953-06
Used and Useful	48.21%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 7 of 25 Wastewater Used/Useful

Interlachen Park Manor

Flows

110.003	Annual Avg. (gpd)	7.000 from I	OMR Analysis			
	Max, Month (gpd)	15,000 from DMR Analysis				
	Max. Three Mo.Avg (gpd)	13,000 from I	DMR Analysis			
Infiltratio	on/Inflow Adjustment					
	Test Year Water Sold (gal)	1.349.243	Adjust Test Year Water Sold			
	Test Year Water Sold (god)	3.697	Test Year Water Sold (gal)			
	Return Factor	80%	Test Year Avg W FRCs			
	Water Returned to WW (gpd)	2.957	Test Year Avg WW FRCs			
	Test Year Wastewater AADF (ond)	7,000	Ratio W/WW			
	Difference	4 043	Adjusted Water Sold			
	Percent I/I	58%	Tajustea Water bold			
	Allowable I/I	10%				
	Adjustment	48%				
	Adjusted Flow	3,657				
Growth A	Adjustment					
	Annual ERC Growth	0.00% MFRs	show -3.29%			
	Period	7				
	Growth Factor	1.00				
	Adjusted Flow	3,657				
Permit						
	Flow Basis	Annual Average				
	Flow (gpd)	15,000 frrom	MFR Doc. 10988-06			
Used and Useful		24.38%				

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 7 of 25 Wastewater Used/Useful

12,349,000
270
29.5
0.11
1,349,243
Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 8 of 25 Wastewater Used/Useful

Kings Cove

Flows			
	Annual Avg. (gpd)	42,000	from DMR Analysis
	Max. Month (gpd)	51,000	from DMR Analysis
	Max. Three Mo.Avg (gpd)	50,000	from DMR Analysis
Infiltration	/Inflow Adjustment		
	Test Year Water Sold (gal)	28,075,000	from MFR
	Test Year Water Sold (gpd)	76,918	
	Return Factor	80%	
	Water Returned to WW (gpd)	61,534	
	Test Year Wastewater AADF (gj	42,000	
	Difference	(19,534)	
	Percent I/I	0%	
	Allowable I/I	10%	
	Adjustment	0%	
	Adjusted Flow	42,000	
Growth Ac	liustment		
	Annual ERC Growth Period	0.00%	MFRs show 0.7% but indicate service area is built out
	Growth Factor	1.00	
	Adjusted Flow	42,000	
Permit			
	Flow Basis	Annual Avg	
	Flow (gpd)	55,000	from MFR Doc 10957-06
Used and I	Jseful	76.36%	

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 9 of 25 Wastewater Used/Useful

Jasmine Lakes

Flows				
	Annual Avg. (gpd)	212,000 from	DMR Analysis	
	Max. Month (gpd)	248,000 from	DMR Analysis	
	Max. Three Mo.Avg (gpd)	229,000 from	DMR Analysis	
Infiltration/	Inflow Adjustment			
	Test Year Water Sold (gal)	90,837,000 from	MFR	
	Test Year Water Sold (gpd)	248,868		
	Return Factor	80%		
	Water Returned to WW (gpd)	199,095		
	Test Year Wastewater AADF (g	g 212,000		
	Difference	12,905		
	Percent I/I	6%		
	Allowable I/I	10%		
	Adjustment	0%		
	Adjusted Flow	212,000		
Growth Ad	justment			
	Annual ERC Growth Period	0.00% MF 7	Rs show -0.38%	
	Growth Factor	1.00		
	Adjusted Flow	212,000		
Permit		Plant	Efflue	nt Disposal
	Flow Basis	Three Mo. Ann. A	vg. Ann. A	Avg
	Flow (gpd)	370,000	3	08,000 from permit
Used and I	Jseful	61.89%		68.83%

Notes

Missing Dec 2005 data; subbed from MFR Permitted capacities differ from what is in MFR Doc. 10978-06

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 10 of 25 Wastewater Used/Useful

Jungle Den

Flows				
	Annual Avg. (gpd)	22,000 from DMI	R Analysis	
	Max. Month (gpd)	37,000 from DMR Analysis		
	Max. Three Mo.Avg (gpd)	31,000 from DMI	R Analysis	
Infiltration	ı/Inflow Adjustment			
	Test Year Water Sold (gpd)	2,248,122	Adjust Test Year Water Sold	
	Test Year Water Sold (gal)	6,159	Test Year Water Sold (gal)	1,908,000
	Return Factor	80%	Test Year Avg W ERCs	115
	Water Returned to WW (gpd)	4,927	Test Year Avg WW ERCs	135.5
	Test Year Wastewater AADF (gpd)	22,000	Ratio W/WW	1.18
	Difference	17,073	Adjusted Water Sold	2,248,122
	Percent I/I	78%		
	Allowable I/I	10%		
	Adjustment	68%		
	Adjusted Flow	7,127		
Growth A	djustment			
	Annual ERC Growth	2.66% from MFF	Rs	
	Period	7		
	Growth Factor	1.19		
	Adjusted Flow	8,455		
Permit				
	Flow Basis Flow (gpd)	Annual Avg 21,000 from MFF	R Doc 11000=06	
Used and I	Useful	40.26%		, and the second s

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 11 of 25 Wastewater Used/Useful

Lake Gibson Estates

Interconnected

Infiltration/Inflow Adjustment	
Test Year Water Sold (gal)	24,709,940
Test Year Water Sold (gpd)	67,698
Return Factor	80%
Water Returned to WW (gpd)	54,159
Test Year Wastewater AADF (gp	46,608
Difference	(7,551)
Percent I/I	0%
Allowable I/I	10%
Adjustment	0%
Adjusted Flow	-
Adjust Test Vear Water Sold	

62,299,000
832
330
0.40
24,709,940

from MFRs

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 12 of 25 Wastewater Used/Useful

Leisure Lakes

Flows

Annual Avg. (gpd)	23,000 from DMR Analysis
Max. Month (gpd)	29,000 from DMR Analysis
Max. Three Mo.Avg (gpd)	26,000 from DMR Analysis

6,802,000 from MFRs
18,636
80%
14,908
23,000
8,092
35%
10%
25%
17,208

Growth Adjustment

Annual ERC Growth	1.90% from MFRs
Period	7
Growth Factor	1.13
Adjusted Flow	19,497

Permit

Flow Basis	Annual Avg
Flow (gpd)	50,000 from MFRs Doc 10945-06

Used and Useful

38.99%

Notes

Max month disagrees with MFRs

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 13 of 25 Wastewater Used/Useful

Morningview

Flows

Annual Avg. (gpd)	5,000 from DMR Analysis
Max. Month (gpd)	6,000 from DMR Analysis
Max. Three Mo.Avg (gpd)	5,000 from DMR Analysis
Infiltration/Inflow Adjustment	
Test Year Water Sold (gal)	2,178,000 from MFRs
Test Year Water Sold (gpd)	5,967
Return Factor	80%
Water Returned to WW (gpd)	4,774
Test Year Wastewater AADF (gpd)	5,000
Difference	226
Percent I/I	5%
Allowable I/I	10%
Adjustment	0%
Adjusted Flow	5,000
Growth Adjustment	
Annual ERC Growth	0.00% MFRs show -2.22%
Period	7
Growth Factor	1.00
Adjusted Flow	5,000
Permit	
Flow Basis	Annual Avg
Flow (gpd)	20,000 from MFRs Doc. 0937-07

Used and Useful

25.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 14 of 25 Wastewater Used/Useful

Palm Port

Flows	
Annual Avg. (gpd)	14,000 from DMR Analysis
Max. Month (gpd)	16,000 from DMR Analysis
Max. Three Mo.Avg (gpd)	15,000 from DMR Analysis
Infiltration/Inflow Adjustment	
Test Year Water Sold (gal)	4,890.000 from MFRs
Test Year Water Sold (gpd)	13.397
Return Factor	80%
Water Returned to WW (gpd)	10.718
Test Year Wastewater AADF	(14.000
Difference	3.282
Percent I/I	23%
Allowable I/I	10%
Adjustment	13%
Adjusted Flow	12,118
Growth Adjustment	
Annual ERC Growth	0.24% from MFRs
Period	7
Growth Factor	1.02
Adjusted Flow	12,321
Permit	
Flow Basis	Annual avg
Flow (gpd)	30,000 from permit; disagrees with MFRs
Used and Useful	41.07%

Notes

Missing Oct 2005 data; Replaced with data from MFR Doc.10989-06

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4.x Page 15 of 25 Wastewater Used/Useful

Palm Terrace

Flows

	Annual Avg. (gpd)	114,000	from DMR Analysis
	Max. Month (gpd)	165,000	from DMR Analysis
	Max. Three Mo.Avg (gpd)	132,000	from DMR Analysis
Infiltration	/Inflow Adjustment		
	Test Year Water Sold (gal)	61,234,000	from MFRs
	Test Year Water Sold (gpd)	167,764	
	Return Factor	80%	
	Water Returned to WW (gpd)	134,212	
	Test Year Wastewater AADF (g 114,000	
	Difference	(20,212)	
	Percent I/I	0%	
	Allowable I/I	10%	
	Adjustment	0%	
	Adjusted Flow	114,000	
Growth Ad	ljustment		
	Annual ERC Growth	0.00%	MFRs show45%
	Period	7	
	Growth Factor	1.00	
	Adjusted Flow	114,000	
Permit	· · ·		
	Flow Basis	Annual Avg	
	Flow (gpd)	130,000	from MFRs Doc. 10979-06

Used and Useful

87.69%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 16 of 25 Wastewater Used/Useful

Rosalie Oaks

Flows

Used and U	Useful	76.07%		58.32%
	Flow (gpd)	15,000		15,000 from MFR Doc. 10984-06
	Flow Basis	Three Month	1 Avg.	Annual Avg
Permit		Plant		Effluent Disposal
D				
	Adjusted Flow	8,749		
	Growth Factor	1.06		
	Period	7		
	Annual ERC Growth	0.83%	from MFRs	
Growth Ac	ljustment			
		0,200		
	Adjusted Flow	8 268		
	Adjustment	64%		
	Allowable I/I	10%		
	Percent I/I	74%		
	Difference	17,032		
	Test Year Wastewater AADF	(23,000		
	Water Returned to WW (gpd)	5,968		
	Return Factor	80%		
	Test Year Water Sold (gpd)	7,460		
	Test Year Water Sold (gal)	2,723,000	from MFRs	
Infiltration	/Inflow Adjustment			
	Max. Thee Mo.Avg (gpu)		HOIII DMK	Allarysis
	Max. Three Mo. Aug (and)	39,000	from DMR	Analysis, does not match MFR Doc 10984-06
	Mox Month (and)	23,000	from DMR	Analysis
	Annual Avg. (gpd)	23,000	trom DMR	Analysis

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 17 of 25 Wastewater Used/Useful

Silver Lake Oaks

Flows	
Annual Avg. (gpd)	5,000 from DMR Analysis
Max. Month (gpd)	9,000 from DMR Analysis
Max. Three Mo.Avg (gpd)	8,000 from DMR Analysis
Infiltration/Inflow Adjustment	
Test Year Water Sold (gal)	1,686,000 from MFRs
Test Year Water Sold (gpd)	4,619
Return Factor	80%
Water Returned to WW (gpd)	3,695
Test Year Wastewater AADF (gpd)	5,000
Difference	1,305
Percent I/I	26%
Allowable I/I	10%
Adjustment	16%
Adjusted Flow	4,195
Growth Adjustment	
Annual ERC Growth	0.00% MFRs show 1.04% but indicate service area is built out
Period	7
Growth Factor	1.00
Adjusted Flow	4,195
Permit	
Flow Basis	Annual Avg
Flow (gpd)	12,000 from permit; disagrees with MFR Doc 10993-06
Used and Useful	34.96%

Notes

•

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 18 of 25 Wastewater Used/Useful

South Seas

Flows			
	Annual Avg. (gpd)	44,000	from DMR Analysis
	Max. Month (gpd)	60,000	from DMR Analysis
	Max. Three Mo.Avg (gpd)	56,000	from DMR Analysis
Infiltration	/Inflow Adjustment		
	Test Year Water AADF	-	
	Return Factor	80%	
	Water Returned to WW	-	
	Test Year Wastewater AADF	44,000	
	Difference	44,000	
	Adjustment	0.00%	
	Adjusted Flow	44,000	
C 1.1	•		
Growth Ad	ljustment		
	Annual ERC Growth	0.00%	MFRs show -23.13%
	Period	7	
	Growth Factor	1.00	
	Adjusted Flow	44,000	
	r kaj doto di 1000	11,000	
Permit			
	Flow Basis	Annual Avg	
	Flow (gpd)	264,000	from MFR Doc. 10974-06
		a contact number and the second	
Used and U	Jseful	16.67%	

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 19 of 25 Wastewater Used/Useful

Summit Chase

Flows			
	Annual Avg. (gpd)	30,000	from DMR analysis
	Max. Month (gpd)	32,000	from DMR analysis
	Max. Three Mo.Avg (gpd)	31,000	from DMR analysis
Infiltration	Inflow Adjustment		
	Test Year Water Sold (gal)	9,752,000	from MFRs
	Test Year Water Sold (gpd)	26,718	
	Return Factor	80%	
	Water Returned to WW (gpd)	21,374	
	Test Year Wastewater AADF (g	30,000	
	Difference	8,626	
	Percent I/I	29%	
	Allowable I/I	10%	
	Adjustment	19%	
	Adjusted Flow	24,374	
Growth Ad	justment		
	Annual ERC Growth	0.00%	MFRs show 0.4% but indicate service area is built out
	Period	./	
	Growth Factor	1.00	
	Adjusted Flow	24,374	
D			
Permit			
	Flow Basis	Annual Avg	
	Flow (gpd)	54,000	fromMFR Doc.10958-06
Used and U	Iseful	45.14%	

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 20 of 25 Wastewater Used/Useful

Sunny Hills

Flows				
	Annual Avg. (gpd)	18,000	from DMR analysis	
	Max. Month (gpd)	20,000	from DMR analysis	
	Max. Three Mo.Avg (gpd)	20,000	from DMR analysis	
Infiltratio	n/Inflow Adjustment			
	Test Year Water Sold (gal)	8,549,146	Adjust Test Year Water Sold	
	Test Year Water Sold (gpd)	23,422	Test Year Water Sold (gal)	26,140,000
	Return Factor	80%	Test Year Avg W ERCs	536
	Water Returned to WW (gpd)	18,738	Test Year Avg WW ERCs	175.3
	Test Year Wastewater AADF (18,000	Ratio W/WW	0.33
	Difference	(738)	Adjusted Water Sold	8,549,146
	Percent I/I	0%		
	Allowable I/I	10%		
	Adjustment	0%		
	Adjusted Flow	18,000		
Growth A	djustment			
	Annual ERC Growth	0.13%	from MFRs	
	Period	7		
	Growth Factor	1.01		
	Adjusted Flow	18,164		
Permit				
	Flow Basis	Annual Aver	ge	
	Flow (gpd)	50,000	from MFRs Doc 11002-06	
Used and	Useful	36.33%		

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 21 of 25 Wastewater Used/Useful

Valencia Terrace

Flows

Annual Avg. (gpd)	35,000 from DMR analysis
Max. Month (gpd)	44,000 from DMR analysis
Max. Three Mo.Avg (gpd)	42,000 from DMR analysis

Infiltration/Inflow Adjustment	
Test Year Water Sold (gal)	20,458,000 from MFRs
Test Year Water Sold (gpd)	56,049
Return Factor	80%
Water Returned to WW (gpd)	44,839
Test Year Wastewater AADF	(35,000
Difference	(9,839)
Percent I/I	0%
Allowable I/I	10%
Adjustment	0%

Adjusted Flow

Growth Adjustment

Annual ERC Growth	0.00% MFRs show 4.23% but indicate service area is b	uilt out
Period	7	
Growth Factor	1.00	
Adjusted Flow	35,000	

35,000

Permit

Flow Basis Flow (gpd) Annual Avg 80,000 from MFRs Doc. 10972-06

Used and Useful

43.75%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-4 Page 23 of 25 Wastewater Used/Useful

Village Water

Flo

L Doc 10985-06
28,751,000
314.3
91.3
0.29
8,351,786

Notes

Missing Mar 2005 data

The Woods

Fl	ows
T.T	Uws.

Annual Avg. (gpd) Max. Month (gpd) Max. Three Mo.Avg (gpd)	8,000 from DMR analysis 10,000 from DMR analysis 10,000 from DMR analysis
Infiltration/Inflow Adjustment	2048 000 Grand MCD-
Test Year Water Sold (gal) Test Year Water Sold (gpd)	7,803

Test Year Water Sold (gpd)	7,803
Return Factor	80%
Water Returned to WW (gpd)	6,242
Test Year Wastewater AADF (8,000
Difference	1,758
Percent I/I	22%
Allowable I/I	10%
Adjustment	12%
Adjusted Flow	7,042

3

Growth Adjustment

Annual ERC Growth	0.00% MFRs show	w 0.39% but indicate service area is built or
Period	7	
Growth Factor	1.00	

Adjusted Flow	
---------------	--

Permit	Plant	Effluent Disposal
Flow Basis	Three Month Avg	Annual Average
Flow (gpd)	15,000	15,000 from MFR Doc 10999-06

7,042

Used and Useful

46.95%

46.95%

Zephyr Shores

Interconnected

Infiltration/Inflow Adjustment	
Test Year Water Sold (gal)	6,666,000
Test Year Water Sold (gpd)	18,263
Return Factor	80%
Water Returned to WW (gpd)	14,610
Test Year Wastewater AADF (gpd)	17,775
Difference	3,165
Percent I/I	18%
Allowable I/I	10%
Adjustment	8%

Adjusted Flow

EXHIBIT ATW-5

PIPING USED AND USEFUL

EXHIBIT ATW-5 Piping Used and Useful Summary

[Water			Wa	astewater		Water	Wastewater
System	Lots	Customers	U&U	Lots	Cu	stomers	U&U	Non U&U	Non U&U
48 Estates	143	95	66.22%	N/A	N/A	yendir o	N/A	33.78%	N/A
Arredondo Estates	110 608	109	99.46%	N/A 44	N/A	431	N/A	0.54%	N/A
Beechers Point	97	42	43.30%	4	7	16	34.04%	56.70%	65.96%
Belleair	226	234	100.00%	N/A	N/A	1.000.000	N/A	0.00%	N/A
Belleview Hills	122	122	100.00%	N/A	N/A		N/A	0.00%	N/A
Belleview Hills Estates	374	348	92.92%	N/A	N/A	1.1.100.00817.000	N/A	7.08%	N/A
Carlton Village	593	. 190	31.99%	N/A	N/A	e (Stade)	N/A	68.01%	N/A
Chappen mins Chulnota	40 1673	44	95.00%	N/A 91	N/A	754	N/A 07 14%	4.40%	N/A
East Lake Harris-Friendly Estate	249	221	88.69%	N/A	N/A		N/A	11.31%	N/A
Fairfax Hills	86	92	100.00%	N/A	N/A	• • 2012/00/00/00/00 2010	N/A	0.00%	N/A
Fern Terrace	137	128	93.43%	N/A	N/A		N/A	6.57%	N/A
Florida Central Commerce Park	N/A	N/A]	¶∕A	5	9	48	81.36%	N/A	18.64%
Grand Terman	243	218	89.54%	N/A N/A	N/A	80.95 d.C.	N/A	10 46%	N/A
Haines Creek	157	111	100.00%	N/A	N/A		N/A N/A	0.00%	N/A N/a
Harmony Homes	60	57	95.00%	N/A	N/A		N/A	5.00%	N/A N/A
Hawks Point	60	61	100.00%	N/A	N/A	2019-00-00-00-00-00-00-00-00-00-00-00-00-00	N/A	0.00%	N/A
Hermits Cove	346	185	53.47%	N/A	N/A	1	N/A	46.53%	N/A
Hobby Hills	113	.103	91.15%	N/A	N/A	1	N/A	8.85%	N/A
monday Haven	159	130	81.76%	15) N/A	b N1/1	<u> </u>	79.49%	18.24%	20.51%
Interlachen Lakes	252 086	248	76 47%	N/A N/A	N/A		N/A. V/A	1.54%	N/A N/A
Jasmine Lakes	1539	1539	100.00%	1539	9	1539	100.00%	0.00%	0.00%
Jungle Den	46	40	87.39%	114	4	73	64.35%	12,61%	35.65%
Kings Cove	211	211	100.00%	21	l R	211	100.00%	0.00%	0.00%
Kingswood	68	68	100.00%	N/A	N/A	1	√/A	0.00%	N/A
Lake Gibson Estates	884	824	93.18%	32	1	390	100.00%	6.82%	0.00%
Lake Osbourne	610 404	244	80.29%	N/A N/A	N/A	1	N/A 1/ A	19./1%	N/A N/A
Rosalie Oaks	126	125	99.00%	126	140	121	96 27%	1 00%	173%
Leisure Lakes Estates	398	271	68.21%	398	3	315	79.09%	31.79%	20.91%
Marions Hills	29	31	100.00%	N/A	N/A	l	√/A	0.00%	N/A
Momingview	42	40	95.24%	42	2	40	95.24%	4.76%	4.76%
Orale Orlin (associated)	267	233	87.27%	N/A	N/A]	√A Tra	12.73%	N/A
Orange Hill-Sugar Creek	774	1050	99.31%	N/A N/A	N/A	1	√/A. J/ a	0.09%	N/A N/A
Palm MHP		62	68.13%	N/A	N/A		V/A	31.87%	N/A
Palm Port	126	110	87.65%	126	5	108	86.04%	12.35%	13.96%
Palm Terrace	1239	. 1232	99.44%	1239	?	1232	99.44%	0.56%	0.56%
Park Manor	N/A]	N/A N	I/A	32		. 32	100.00% 3	√/A	0.00%
Picciola Island	228	140	61.61%	N/A	N/A		√A //A	38.39%	N/A
Pomona Park	592	. 223	37 69% 1	V/A	N/A	· · · ·	J/A	67 31%	N/A
Quail Ridge	104	125	100.00% 1	√/A	N/A	Ì	1/A	0.00%	N/A
Ravenswood	62	55	88.25% 1	√/A	N/A) () () () () () () () () () (√A	11.75%	N/A
Ridge Meadows	47	36	77.59% 1	√/A	N/A	1	√A	22.41%	N/A
River Grove	119	112	94.12% 1	√/A	N/A	3	I∕A	5.88%	N/A
Seenng Lakes Silver Lake Oaks	540 56	10/	25.80% 1	N/A. 54	N/A	19 29	V/A 67 86%	74.14%	N/A 32 1494
Silver Lake Western Shores	1696	1460	86.08% 1	√A	N/A	ر ور	J/A	13 92%	32.14%
Skycrest	136	802	100.00% 1	√/A	N/A	1	J∕A	0.00%	N/A
South Seas	N/A N	√A N	i/A	177	0.535	155	87.57% 1	J/A	12.43%
St Johns Highlands	177	78	44.07% 1	∿/A	N/A	1	J/A	55.93%	N/A
Stone Mountain	25	13	51.59% 1	V/A 175	N/A	, 100	1/A 08 1 50/	48.41%	N/A.
Sunny Hills	7009	102	11 44%	102 508		289	56 90%	88 56%	1.83%
Tangerine	429	185	43.13% 1	VA Joo	N/A	-0 }	J/A	56.87%	N/A
The Woods	143	71	49.65%	143	ng P	59	41.26%	50.35%	58.74%
Tomoka	304	273	89.80% 1	√A	N/A	۲ 💦	I∕/A	10.20%	N/A
Valencia Terrace	342	360	100.00%	34]		354	100.00%	0.00%	0.00%
Venetian Village Village Water	222	149	67.05%	104		93.	89.08%	32.95%	10.92%
Welaka-Saratora Harbour	457	141	31 20% 1	100 J/A	N/A	لا رود	33.02% J/A	51.34%. 58 71%	00.78% N/A
Westview	37	anat (na. 1925) 74523 32	86.97% 1	nt•acolis √A	N/A	ar san Ar	ir tub shinir. VA	13.03%	N/A
Woodberry Forest	58	60	100.00% 1	J/A	N/A	N	I/A	0.00%	N/A
Wootens	64	28	43.75% 1	Ι/A	N/A	٩	J/A	56.25%	N/A
Zephyr Shores	536	537	100.00%	536	THE STATE	546	100.00%	0.00%	0.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 2 of 72 Piping Used/Useful

48 Estates

	Water
Connections (from map count)	93
ERCs (Avg Test Yr)	78.5
Lots (from map count	143
GROWTH ADJUSTMENT	
Annual ERC Growth	0.33%
Period	5.5
Growth Factor	1.02
Adjusted Connections	95
Adjusted ERCs	80
Used and Useful (connections)	66.22%
Used and Useful (ERCs)	55.89%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 3 of 72 Piping Used/Useful

Arredondo Combined

	Water	Wastewater
Connections (from map count)	686	431
ERCs (Avg Test Yr)	535.1	31.7.9
Lots (from map count	698	443
GROWTH ADJUSTMENT		
Annual ERC Growth	0.00%	0.00%
Period	5.5	5.5
Growth Factor	1.00	1.00
Adjusted Connections	686	431
Adjusted ERCs	535	318
Used and Useful (connections)	98.28%	97.29%
Used and Useful (ERCs)	76.66%	71.76%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 4 of 72 Piping Used/Useful

Arredondo Farms

	Water	Wastewater
Customers	431	431
ERCs		
Lots	443	443
GROWTH ADJUSTM	ENT	
Annual ERC Growth	0.00%	0.00%
Period	5.5	5.5
Growth Factor	1.00	1.00
Adjusted Connections	431	431
Adjusted ERCs	0	0
Used and Useful (com	97.29%	97.29%
Used and Useful (ER(0.00%	0.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 5 of 72 Piping Used/Useful

Beechers point

-	Water	Wastewater
Connections (from map count)	42	16
ERCs (Avg Test Yr)	99	41
Lots (from map count)	97	47
GROWTH ADJUSTMENT		
Annual ERC Growth	0.00%	0.00%
Period	5.5	5.5
Growth Factor	1.00	1.00
Adjusted Connections	42	16
Adjusted ERCs	99	41
Used and Useful (connections)	43.30%	34.04%
Used and Useful (ERCs)	100.00%	87.23%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 6 of 72 Piping Used/Useful

Carlton Village

<u> </u>	Water
Connections (from map count)	167
ERCs (Avg Test Yr)	204
Lots (from map count)	593
GROWTH ADJUSTMENT	
Annual ERC Growth	2.47%
Period	5.5
Growth Factor	1.14
Adjusted Connections	190
Adjusted ERCs	232
Used and Useful (connections)	31.99%
Used and Useful (ERCs)	39.07%

Chuluota

	Water	Wastewater
	Water	W disto W diel
Connections (from map count)	1257	591
ERCs (Avg Test Yr)	1307	541
Lots (from map count)	1673	816
GROWTH ADJUSTMENT		
Annual ERC Growth	5.00%	5.00%
Period	5.5	5.5
Growth Factor	1.28	1.28
Adjusted Connections	1603	754
Adjusted ERCs	1666	690
Used and Useful (connections)	95.80%	92.34%
Used and Useful (ERCs)	99.61%	84.53%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 8 of 72 Piping Used/Useful

East Lake Harris - Friendly Lakes Estates

	Water
Connections (from map count)	214
ERCs (Avg Test Yr)	205.5
Lots (from map count)	249
GROWTH ADJUSTMENT	
Annual ERC Growth	0.58%
Period	5.5
Growth Factor	1.03
Adjusted Connections	221
Adjusted ERCs	212
Used and Useful (connections)	88.69%
Used and Useful (ERCs)	85.16%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 9 of 72 Piping Used/Useful

Fern Terrace

	water
Connections (from map count)	128
ERCs (Avg Test Yr)	132
Lots (from map count)	137
GROWTH ADJUSTMENT	
Annual ERC Growth	0.00%
Period	5.5
Growth Factor	1.00
Adjusted Connections	128
Adjusted ERCs	132
Used and Useful (connections)	93.43%
Used and Useful (ERCs)	96.35%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 10 of 72 Piping Used/Useful

Florida Central Commerce Park

	Wastewater
Connections (from map count)	48
ERCs (Avg Test Yr)	166.5
Lots (from map count)	59
GROWTH ADJUSTMENT	
Annual ERC Growth	0.00%
Period	5.5
Growth Factor	1.00
Adjusted Connections	48
Adjusted ERCs	167
Used and Useful (connections)	81.36%
Used and Useful (ERCs)	100.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 11 of 72 Piping Used/Useful

Gibsonia Estates

	Water
Connections (from map count)	188
ERCs (Avg Test Yr)	189.5
Lots (from map count)	243
GROWTH ADJUSTMENT	
Annual ERC Growth	2.86%
Period	5.5
Growth Factor	1.16
Adjusted Connections	218
Adjusted ERCs	219
Used and Useful (connections)	89.54%
Used and Useful (ERCs)	90.25%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 12 of 72 Piping Used/Useful

Grand Terrace

	Water
Connections (from map count)	111
ERCs (Avg Test Yr)	108.5
Lots (from map count)	111
GROWTH ADJUSTMENT	
Annual ERC Growth	0.00%
Period	5.5
Growth Factor	1.00
Adjusted Connections	111
Adjusted ERCs	109
Used and Useful (connections)	100.00%
Used and Useful (ERCs)	97.75%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 13 of 72 Piping Used/Useful

Haines Creek

	Water
Connections (from map count)	147
ERCs (Avg Test Yr)	108.3
Lots (from map count	157
GROWTH ADJUSTMENT	
Annual ERC Growth	1.94%
Period	5.5
Growth Factor	1.11
Adjusted Connections	163
Adjusted ERCs	120
Used and Useful (connections)	100.00%
Used and Useful (ERCs)	76.34%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 14 of 72 Piping Used/Useful

Harmony Homes

•	Water
Connections (from map count)	57
ERCs (Avg Test Yr)	58.5
Lots (from map count)	60
GROWTH ADJUSTMENT	
Annual ERC Growth	0.00%
Period	5.5
Growth Factor	1.00
Adjusted Connections	57
Adjusted ERCs	- 59
Used and Useful (connections)	95.00%
Used and Useful (ERCs)	97.50%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 15 of 72 Piping Used/Useful

Hermit Cove

	Water
Connections (from map count)	185
ERCs (Avg Test Yr)	173.5
Lots (from map count)	346
GROWTH ADJUSTMENT	
Annual ERC Growth	0.00%
Period	5.5
Growth Factor	1.00
Adjusted Connections	185
Adjusted ERCs	174
Used and Useful (connections)	53.47%
Used and Useful (ERCs)	50.14%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 16 of 72 Piping Used/Useful

Hobby Hills

*

·	Water
Connections (from map count)	103
ERCs (Avg Test Yr)	104
Lots (from map count)	113
GROWTH ADJUSTMENT	
Annual ERC Growth	0.00%
Period	5.5
Growth Factor	1.00
Adjusted Connections	103
Adjusted ERCs	104
Used and Useful (connections)	91.15%
Used and Useful (ERCs)	92.04%

Holiday Haven

	Water	Wastewater
Connections (from map count)	130	124
ERCs (Avg Test Yr)	120.5	108
Lots (from map count)	159	156
GROWTH ADJUSTMENT		
Annual ERC Growth	0.00%	0.00%
Period	5.5	5.5
Growth Factor	1.00	1.00
Adjusted Connections	130	124
Adjusted ERCs	121	108
Used and Useful (connections)	81.76%	79.49%
Used and Useful (ERCs)	75.79%	69.23%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 18 of 72 Piping Used/Useful

Imperial Mobile Home Park

	Water
Connections (from map count)	242
ERCs (Avg Test Yr)	247
Lots (from map count)	252
GROWTH ADJUSTMENT	
Annual ERC Growth	0.46%
Period	5.5
Growth Factor	1.03
Adjusted Connections	248
Adjusted ERCs	253
Used and Useful (connections)	98.46%
Used and Useful (ERCs)	100.00%
Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 19 of 72 Piping Used/Useful

Interlachen Lakes

	Water
Connections (from map count)	282
ERCs (Avg Test Yr)	270
Lots (from map count)	369
GROWTH ADJUSTMENT	
Annual ERC Growth	0.00%
Period	5.5
Growth Factor	1.00
Adjusted Connections	282
Adjusted ERCs	270
Used and Useful (connections)	76.42%
Used and Useful (ERCs)	73.17%

Jasmine Lakes

	Water	Wastewater
Connections (from map count)	1539	1539
ERCs (Avg Test Yr)	1587	1549.9
Lots (from map count)	1539	1539
GROWTH ADJUSTMENT		
Annual ERC Growth	0.00%	0.00%
Period	5.5	5.5
Growth Factor	1.00	1.00
Adjusted Connections	1539	1539
Adjusted ERCs	1587	1550
Used and Useful (connections)	100.00%	100.00%
Used and Useful (ERCs)	100.00%	100.00%

Jungle Den

-	Water	Wastewater
Connections (from map count)	40	64
ERCs (Avg Test Yr)	115	135.5
Lots (from map count)	46	114
GROWTH ADJUSTMENT		
Annual ERC Growth	0.09%	2.66%
Period	5.5	5.5
Growth Factor	1.00	1.15
Adjusted Connections	40	73
Adjusted ERCs	116	155
Used and Useful (connections)	87.39%	64.35%
Used and Useful (ERCs)	100.00%	100.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 22 of 72 Piping Used/Useful

Kings Cove

C .	Water	Wastewater
Connections (from map count)	211	211
ERCs (Avg Test Yr)	205.7	198.8
Lots (from map count	211	211
GROWTH ADJUSTMENT		
Annual ERC Growth	0.00%	0.00%
Period	5.5	5.5
Growth Factor	1.00	1.00
Adjusted Connections	211	211
Adjusted ERCs	206	199
Used and Useful (connections)	100.00%	100.00%
Used and Useful (ERCs)	97.49%	94.22%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 23 of [.]72 Piping Used/Useful

EXHIBIT ATW-5

Kings Wood

8	Water
Connections (from map count)	68
ERCs (Avg Test Yr)	60.5
Lots (from map count)	68
GROWTH ADJUSTMENT	
Annual ERC Growth	0.00%
Period	5.5
Growth Factor	1.00
Adjusted Connections	. 68
Adjusted ERCs	61
Used and Useful (connections)	100.00%
Used and Useful (ERCs)	88.97%

Lake Gibson Estates

	Water	Wastewater
Connections (from map count)	797	312
ERCs (Avg Test Yr)	832	330
Lots (from map count)	884	321
GROWTH ADJUSTMENT		
Annual ERC Growth	0.61%	4.52%
Period	5.5	5.5
Growth Factor	1.03	1.25
Adjusted Connections	824	390
Adjusted ERCs	860	412
Used and Useful (connections)	93.18%	100.00%
Used and Useful (ERCs)	97.28%	100.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 25 of 72 Piping Used/Useful

Lake Josephine

	Water
Connections (from map count)	507
ERCs (Avg Test Yr)	547
Lots (from map count)	678
GROWTH ADJUSTMENT	
Annual ERC Growth	1.34%
Period	5.5
Growth Factor	1.07
Adjusted Connections	544
Adjusted ERCs	587
Used and Useful (connections)	80.29%
Used and Useful (ERCs)	86.62%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 26 of 72 Piping Used/Useful

Lake Osbourne

	Water
Connections (from map count)	485
ERCs (Avg Test Yr)	485.3
Lots (from map count)	494
GROWTH ADJUSTMENT	
Annual ERC Growth	0.19%
Period	5.5
Growth Factor	1.01
Adjusted Connections	490
Adjusted ERCs	490
Used and Useful (connections)	99.20%
Used and Useful (ERCs)	99.27%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 27 of 72 Piping Used/Useful

Leisure Lakes Estates

	Water	Wastewater
Connections (from map count)	249	285
ERCs (Avg Test Yr)	282	278.5
Lots (from map count)	398	398
GROWTH ADJUSTMENT		
Annual ERC Growth	1.64%	1.90%
Period	5.5	5.5
Growth Factor	1.09	1.10
Adjusted Connections	271	315
Adjusted ERCs	307	308
Used and Useful (connections)	68.21%	79.09%
Used and Useful (ERCs)	77.25%	77.29%

Morning View

	Water	Wastewater
Connections (from map count)	40	40
ERCs (Avg Test Yr)	40.5	39.5
Lots (from map count)	42	42
GROWTH ADJUSTMENT		
Annual ERC Growth	0.00%	0.00%
Period	5.5	5.5
Growth Factor	1.00	1.00
Adjusted Connections	40	40
Adjusted ERCs	41	40
Used and Useful (connections)	95.24%	95.24%
Used and Useful (ERCs)	96.43%	94.05%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 29 of 72 Piping Used/Useful

.

Oakwood

	Water
Connections (from map count)	233
ERCs (Avg Test Yr)	204
Lots (from map count)	267
GROWTH ADJUSTMENT	
Annual ERC Growth	0.00%
Period	5.5
Growth Factor	1.00
Adjusted Connections	233
Adjusted ERCs	204
Used and Useful (connections)	87.27%
Used and Useful (ERCs)	76.40%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 30 of 72 Piping Used/Useful

Ocala Oaks Combined

	Water
Connections (from map count)	1686
ERCs (Avg Test Yr)	1732.8
Lots (from map count)	1821
GROWTH ADJUSTMENT	
Annual ERC Growth	1.32%
Period	5.5
Growth Factor	1.07
Adjusted Connections	1808
Adjusted ERCs	1859
Used and Useful (connections)	99.31%
Used and Useful (ERCs)	100.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 31 of 72 Piping Used/Useful

49th St Villas

	Water
Customers	102
ERCs	
Lots	110
GROWTH ADJUSTMENT	
Annual ERC Growth	1.32%
Period	5.5
Growth Factor	1.07
Adjusted Connections	109
Adjusted ERCs	0
Used and Useful (connections)	99.46%
Used and Useful (ERCs)	0.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 32 of 72 Piping Used/Useful

Bellair

	Water
Customers	218
ERCs	
Lots	226
GROWTH ADJUSTMENT	
Annual ERC Growth	1.32%
Period	5.5
Growth Factor	1.07
Adjusted Connections	234
Adjusted ERCs	0
Used and Useful (connections)	100.00%
Used and Useful (ERCs)	0.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 33 of 72 Piping Used/Useful

Belleview Hills

	Water
Customers	114
ERCs	
Lots	122
GROWTH ADJUSTMENT	
Annual ERC Growth	1.32%
Period	5.5
Growth Factor	1.07
Adjusted Connections	122
Adjusted ERCs	0
,	
Used and Useful (connections)	100.00%
Used and Useful (ERCs)	0.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 34 of 72 Piping Used/Useful

Belleview Hills Estates

	Water
Customers	324
ERCs	
Lots	374
GROWTH ADJUSTMENT	
Annual ERC Growth	1.32%
Period	5.5
Growth Factor	1.07
Adjusted Connections	348
Adjusted ERCs	0
Used and Useful (connections)	92.92%
Used and Useful (ERCs)	0.00%
<pre>/</pre>	••••••

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 35 of 72 Piping Used/Useful

Chappell Hills

	Water
Customers	41
ERCs	
Lots	46
GROWTH ADJUSTMENT	
Annual ERC Growth	1.32%
Period	5.5
Growth Factor	1.07
Adjusted Connections	44
Adjusted ERCs	0
Used and Useful (connections)	95.60%
Used and Useful (ERCs)	0.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 36 of 72 Piping Used/Useful

.

Fairfax Hills

Water
86
86
1.32%
5.5
1.07
92
0
100.00%
0.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 37 of 72 Piping Used/Useful

Hawks Point

W ALCI
57
60
1.32%
5.5
1.07
61
0
100.00%
0.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 38 of 72 Piping Used/Useful

Marion Hills

	Water
Customers	29
ERCs	
Lots	29
CRONTEL ADDITION CONT	
GROWIN ADJUSIMENT	
Annual ERC Growth	1.32%
Period	5.5
Growth Factor	1.07
Adjusted Connections	31
Adjusted ERCs	0
Used and Useful (connections)	100.00%
Used and Useful (ERCs)	0.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 39 of 72 Piping Used/Useful

Ocala Oaks

	Water
Connections (from map count)	595
ERCs (Avg Test Yr)	1732.8
Lots (from map count)	626
GROWTH ADJUSTMENT	
Annual ERC Growth	1.32%
Period	5.5
Growth Factor	1.07
Adjusted Connections	638
Adjusted ERCs	1859
Used and Useful (connections)	100.00%
Used and Useful (ERCs)	100.00%

EXHIBIT ATW-5

Ridgeview

	Water
Customers	34
ERCs	
Lots	47
GROWTH ADJUSTMENT	
Annual ERC Growth	1.32%
Period	5.5
Growth Factor	1.07
Adjusted Connections	36
Adjusted ERCs	0
Used and Useful (connections)	77.59%
Used and Useful (ERCs)	0.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 40a of 72 Piping Used/Useful

Westview

	Water
Customers	30
ERCs	·
Lots	37
GROWTHADJUSTMENT	1.000/
Annual ERC Growth	1.32%
Period	5.5
Growth Factor	1.07
Adjusted Connections	32
Adjusted ERCs	0
Used and Useful (connections)	86.97%
Used and Useful (ERCs)	0.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 41 of 72 Piping Used/Useful

Woodbury Forest

.	Water
Customers	56
ERCs	
Lots	58
GROWTH ADJUSTMENT	
Annual ERC Growth	1.32%
Period	5.5
Growth Factor	1.07
Adjusted Connections	60
Adjusted ERCs	0
Used and Useful (connections)	100.00%
Used and Useful (ERCs)	0.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 42 of 72 Piping Used/Useful

Orange Hill - Sugar Creek

-	Water
Connections (from map count)	249
ERCs (Avg Test Yr)	233
Lots (from map count)	274
GROWTH ADJUSTMENT	
Annual ERC Growth	0.00%
Period	5.5
Growth Factor	1.00
Adjusted Connections	249
Adjusted ERCs	233
Used and Useful (connections)	90.88%
Used and Useful (ERCs)	85.04%

Palm MHP

	Water
Connections (from map count)	62
ERCs (Avg Test Yr)	59
Lots (from map count)	91
GROWTH ADJUSTMENT	
Annual ERC Growth	0.00%
Period	5.5
Growth Factor	1.00
Adjusted Connections	62
Adjusted ERCs	59
Used and Useful (connections)	68.13%
Used and Useful (ERCs)	64.84%

Palm Port

	Water	Wastewater
Connections (from map count)	109	107
ERCs (Avg Test Yr)	105	105
Lots (from map count)	126	126
GROWTH ADJUSTMENT		
Annual ERC Growth	0.24%	0.24%
Period	5.5	5.5
Growth Factor	1.01	1.01
Adjusted Connections	110	108
Adjusted ERCs	106	106
Used and Useful (connections)	87.65%	86.04%
Used and Useful (ERCs)	84.43%	84.43%

Palm Terrace

	Water	Wastewater
Connections (from map count)	1232	1232
ERCs (Avg Test Yr)	1167.5	1009
Lots (from map count)	1239	1239
GROWTH ADJUSTMENT		
Annual ERC Growth	0.00%	0.00%
Period	5.5	5.5
Growth Factor	1.00	1.00
Adjusted Connections	1232	1232
Adjusted ERCs	1168	1009
Used and Useful (connections)	99.44%	99.44%
Used and Useful (ERCs)	94.23%	81.44%

۰ ·

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 46 of 72 Piping Used/Useful

Park Manor

Connections (from man count)	Water with interlachen	Wastewater 32
ERCs (Avg Test Yr)		29.5
Lots (from map count)	with interlachen	32
GROWTH ADJUSTMENT		
Annual ERC Growth	0.00%	0.00%
Period	5.5	5.5
Growth Factor	1.00	1.00
Adjusted Connections	#VALUE!	32
Adjusted ERCs	0	30
Used and Useful (connections)		100.00%
Used and Useful (ERCs)		92.19%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 47 of 72 Piping Used/Useful

Picciola Island

	Water
Connections (from map count)	137
ERCs (Avg Test Yr)	138
Lots (from map count)	228
GROWTH ADJUSTMENT	
Annual ERC Growth	0.46%
Period	5.5
Growth Factor	1.03
Adjusted Connections	140
Adjusted ERCs	141
Used and Useful (connections)	61.61%
Used and Useful (ERCs)	62.06%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 48 of 72 Piping Used/Useful

Piney Woods

-	Water
Connections (from map count)	176
ERCs (Avg Test Yr)	171.5
Lots (from map count)	208
GROWTH ADJUSTMENT	
Annual ERC Growth	0.28%
Period	5.5
Growth Factor	1.02
Adjusted Connections	179
Adjusted ERCs	174
Used and Useful (connections)	85.92%
Used and Useful (ERCs)	83.72%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 49 of 72 Piping Used/Useful

Pomona Park

	Water
Connections (from map count)	175
ERCs (Avg Test Yr)	169
Lots (from map count)	592
GROWTH ADJUSTMENT	
Annual ERC Growth	5.00%
Period	5.5
Growth Factor	1.28
Adjusted Connections	223
Adjusted ERCs	215
Used and Useful (connections)	37.69%
Used and Useful (ERCs)	36.40%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 50 of 72 Piping Used/Useful

Quail Ridge

.

- 0	Water
Connections (from map count)	98
ERCs (Avg Test Yr)	80.5
Lots (from map count)	104
GROWTH ADJUSTMENT	
Annual ERC Growth	5.00%
Period	5.5
Growth Factor	1.28
Adjusted Connections	125
Adjusted ERCs	103
Used and Useful (connections)	100.00%
Used and Useful (ERCs)	98.69%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 51 of 72 Piping Used/Useful

.

Ravenswood

	Water
Connections (from map count)	49
ERCs (Avg Test Yr)	43
Lots (from map count	62
GROWTH ADJUSTMENT	
Annual ERC Growth	2.12%
Period	5.5
Growth Factor	1.12
Adjusted Connections	55
Adjusted ERCs	48
Used and Useful (connections)	88.25%
Used and Useful (ERCs)	77.44%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 52 of 72 Piping Used/Useful

River Grove

	Water
Connections (from map count)	112
ERCs (Avg Test Yr)	106
Lots (from map count)	119
GROWTH ADJUSTMENT	
Annual ERC Growth	0.00%
Period	5.5
Growth Factor	1.00
Adjusted Connections	112
Adjusted ERCs	106
Used and Useful (connections)	94.12%
Used and Useful (ERCs)	89.08%

Rosalie Oaks

	Water	Wastewater
Connections (from map count)	116	116
ERCs (Avg Test Yr)	92.4	92.3
Lots (from map count)	126	126
GROWTH ADJUSTMENT		
Annual ERC Growth	1.37%	0.83%
Period	5.5	5.5
Growth Factor	1.08	1.05
Adjusted Connections	125	121
Adjusted ERCs	99	97
Used and Useful (connections)	99.00%	96.27%
Used and Useful (ERCs)	78.86%	76.60%
Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 54 of 72 Piping Used/Useful

Sebring Lakes

<u> </u>	Water
Connections (from map count)	131
ERCs (Avg Test Yr)	66.3
Lots (from map count)	646
GROWTH ADJUSTMENT	
Annual ERC Growth	5.00%
Period	5.5
Growth Factor	1.28
Adjusted Connections	167
Adjusted ERCs	85
Used and Useful (connections)	25.86%
Used and Useful (ERCs)	13.09%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 55 of 72 Piping Used/Useful

Silver Lake - Western Shores

	Water
Connections (from map count)	1460
ERCs (Avg Test Yr)	1854.5
Lots (from map count)	1696
GROWTH ADJUSTMENT	
Annual ERC Growth	0.00%
Period	5.5
Growth Factor	1.00
Adjusted Connections	1460
Adjusted ERCs	1855
Used and Useful (connections)	86.08%
Used and Useful (ERCs)	100.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 56 of 72 Piping Used/Useful

Silver Lake Oaks

	Water	Wastewater
Connections (from map count)	38	38
ERCs (Avg Test Yr)	37	37
Lots (from map count)	56	56
GROWTH ADJUSTMENT		
Annual ERC Growth	0.69%	0.00%
Period	5.5	5.5
Growth Factor	1.04	1.00
Adjusted Connections	39	38
Adjusted ERCs	38	37
Used and Useful (connections)	70.43%	67.86%
Used and Useful (ERCs)	68.58%	66.07%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 57 of 72 Piping Used/Useful

Skycrest

v	Water
Connections (from map count)	120
ERCs (Avg Test Yr)	117.5
Lots (from map count)	136
GROWTH ADJUSTMENT	
Annual ERC Growth	5.00%
Period	5.5
Growth Factor	1.28
Adjusted Connections	153
Adjusted ERCs	150
Used and Useful (connections)	100.00%
Used and Useful (ERCs)	100.00%

South Seas

	Wastewater
Connections (from map count)	155
ERCs (Avg Test Yr)	316.2
Lots (from map count)	177
GROWTH ADJUSTMENT	
Annual ERC Growth	0.00%
Period	5.5
Growth Factor	1.00
Adjusted Connections	155
Adjusted ERCs	316
Used and Useful (connections)	87.57%
Used and Useful (ERCs)	100.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 59 of 72 Piping Used/Useful

St Johns Highland

<u> </u>	Water
Connections (from map count)	78
ERCs (Avg Test Yr)	94.5
Lots (from map count)	177
GROWTH ADJUSTMENT	
Annual ERC Growth	0.00%
Period	5.5
Growth Factor	1.00
Adjusted Connections	78
Adjusted ERCs	95
Used and Useful (connections)	44.07%
Used and Useful (ERCs)	53.39%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 60 of 72 Piping Used/Useful

Stone Mountain

	water
Connections (from map count)	12
ERCs (Avg Test Yr)	9.5
Lots (from map count)	25
GROWTH ADJUSTMENT	
Annual ERC Growth	1.36%
Period	5.5
Growth Factor	1.07
Adjusted Connections	13
Adjusted ERCs	10
· · ·	
Used and Useful (connections)	51.59%
Used and Useful (ERCs)	40.84%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 61 of 72 Piping Used/Useful

Summit Chase

	Water	Wastewater
Connections (from map count)	162	159
ERCs (Avg Test Yr)	219.7	216.9
Lots (from map count	162	162
GROWTH ADJUSTMENT		
Annual ERC Growth	0.00%	0.00%
Period	5.5	5.5
Growth Factor	1.00	1.00
Adjusted Connections	162	159
Adjusted ERCs	220	217
Used and Useful (connections)	100.00%	98.15%
Used and Useful (ERCs)	100.00%	100.00%

Sunny Hills

	Water	Wastewater
Connections (from map count)	664	287
ERCs (Avg Test Yr)	536	173.5
Lots (from map count)	7009	508
GROWTH ADJUSTMENT		
Annual ERC Growth	3.78%	0.13%
Period	5.5	5.5
Growth Factor	1.21	1.01
Adjusted Connections	802	289
Adjusted ERCs	647	175
Used and Useful (connections)	11.44%	56.90%
Used and Useful (ERCs)	9.24%	34.40%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 63 of 72 Piping Used/Useful

Tangerine

	Water
Connections (from map count)	178
ERCs (Avg Test Yr)	277.5
Lots (from map count)	429
GROWTH ADJUSTMENT	
Annual ERC Growth	0.72%
Period	5.5
Growth Factor	1.04
Adjusted Connections	185
Adjusted ERCs	288
Used and Useful (connections)	43.13%
Used and Useful (ERCs)	67.25%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 64 of 72 Piping Used/Usefulo

Tomoka/Twin Rivers

	Water
Connections (from map count)	273
ERCs (Avg Test Yr)	273
Lots (from map count)	304
GROWTH ADJUSTMENT	
Annual ERC Growth	0.00%
Period	5.5
Growth Factor	1.00
Adjusted Connections	273
Adjusted ERCs	273
Used and Useful (connections)	89.80%
Used and Useful (ERCs)	89.80%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 65 of 72 Piping Used/Useful

Twin Rivers

	Water
Customers	77
ERCs	
Lots	89
Used and Useful	86.52%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 66 of 72 Piping Used/Useful

Valencia Terrace

	Water	Wastewater
Connections (from map count)	342	354
ERCs (Avg Test Yr)	370.5	353.5
Lots (from map count)	342	341
GROWTH ADJUSTMENT		
Annual ERC Growth	0.95%	0.00%
Period	5.5	5.5
Growth Factor	1.05	1.00
Adjusted Connections	360	354
Adjusted ERCs	390	354
Used and Useful (connections)	100.00%	100.00%
Used and Useful (ERCs)	100.00%	100.00%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 67 of 72 Piping Used/Useful

Venetian Village

.

	Water	Wastewater
Connections (from map count)	140	88
ERCs (Avg Test Yr)	147.5	93.5
Lots (from map count)	222	104
GROWTH ADJUSTMENT		
Annual ERC Growth	1.15%	0.96%
Period	5.5	5.5
Growth Factor	1.06	1.05
Adjusted Connections	149	93
Adjusted ERCs	157	98
Used and Useful (connections)	67.05%	89.08%
Used and Useful (ERCs)	70.64%	94.65%

Village Water

	Water	Wastewater
Connections (from map count)	189	35
ERCs (Avg Test Yr)	314.3	91.3
Lots (from map count)	311	106
GROWTH ADJUSTMENT		
Annual ERC Growth	2.30%	0.00%
Period	5.5	5.5
Growth Factor	1.13	1.00
Adjusted Connections	213	35
Adjusted ERCs	354	91
Used and Useful (connections)	68.46%	33.02%
Used and Useful (ERCs)	100.00%	86.13%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 69 of 72 Piping Used/Useful

Welaka - Saratoga Harbour

	Water
Connections (from map count)	143
ERCs (Avg Test Yr)	143 -
Lots (from map count)	457
GROWTH ADJUSTMENT	
Annual ERC Growth	0.00%
Period	5.5
Growth Factor	1.00
Adjusted Connections	143
Adjusted ERCs	143
	• • • • • • • • • • • • • • • • • • •
Used and Useful (connections)	31.29%
Used and Useful (ERCs)	31.29%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 70 of 72 Piping Used/Useful

The Woods

	Water	Wastewater
Connections (from map count)	71	59
ERCs (Avg Test Yr)	63.5	59.3
Lots (from map count)	143	143
GROWTH ADJUSTMENT		
Annual ERC Growth	0.00%	0.00%
Period	5.5	5.5
Growth Factor	1.00	1.00
Adjusted Connections	71	59
Adjusted ERCs	64	59
Used and Useful (connections)	49.65%	41.26%
Used and Useful (ERCs)	44.41%	41.47%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 71 of 72 Piping Used/Useful

Wootens

	Water
Connections (from map count)	28
ERCs (Avg Test Yr)	28
Lots (from map count)	64
GROWTH ADJUSTMENT	
Annual ERC Growth	0.00%
Period	5.5
Growth Factor	1.00
Adjusted Connections	28
Adjusted ERCs	28
	42 750/
Used and Userul (connections)	43.75%
Used and Useful (ERCs)	43.75%

Docket No. 060368-WS Andrew T. Woodcock, Exhibit ATW-5 Page 72 of 72 Piping Used/Useful

Zephry Shores

	Water	Wastewater
Connections (from map count)	518	518
ERCs (Avg Test Yr)	518.5	516
Lots (from map count)	536	536
GROWTH ADJUSTMENT		
Annual ERC Growth	0.65%	1.00%
Period	5.5	5.5
Growth Factor	1.04	1.06
Adjusted Connections	537	546
Adjusted ERCs	537	544
Used and Useful (connections)	100.00%	100.00%
Used and Useful (ERCs)	100.00%	100.00%