

State of Florida



ORIGINAL

Public Service Commission RECEIVED FPSC

-M-E-M-O-R-A-N-D-U-M- 03 OCT 10 AM 11:13

COMMISSION
CLERK

DATE: October 10, 2003
TO: Division of the Commission Clerk and Administrative Services
FROM: Division of Economic Regulation (Fletcher) *BS*
RE: Docket No. 020408-SU - Application for Rate Increase in Seminole County by Alafaya Utilities, Inc.

Please file the attached letter from Steven Dihel, dated October 8, 2003, in the docket file for the above-referenced docket.

AUS _____
CAF _____
CMP _____
COM _____
CTR _____
ECR _____
GCL _____
OPC _____
MMS _____
SEC
OTH _____

DOCUMENT NUMBER-DATE

09914 OCT 10 8

FPSC-COMMISSION CLERK

ORIGINAL

ALAFAYA UTILITIES, INC.

*an Affiliate of Utilities, Inc.
1067 McKinnon Avenue
Oviedo, FL 32765*

**Corporate Offices:
2335 Sanders Road
Northbrook, IL 60062
(847) 498-6440**

October 8, 2003

Mr. Bart Fletcher
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, Florida 32999-0850

RE: Docket No. 020408
Alafaya Utilities, Inc.
Additional Construction Work in Progress

Dear Mr. Fletcher:

Pursuant to your conversation with Marty Friedman, I have enclosed for your review all the appropriate supporting documentation that corresponds to the additional capital projects for the above mentioned rate case. Documentation is being provided for the following capital projects:

| | |
|--------------------|--|
| 067-0647-116-02-03 | Dewater, strip sediment from pond |
| 067-0647-116-02-04 | Fill & grade low areas ponds 9 & 10 to different ponds |
| 067-0647-116-02-05 | FDEP permit application to renew permit |
| 067-0647-116-02-06 | Alafaya WWTP headworks engineering evaluation |
| 067-0647-116-03-01 | Upgrade of standby generator fuel supply lines |
| 067-0647-116-03-02 | 20" reuse main from WWTF to west side of lockwood |
| 067-0647-116-03-03 | Generator transfer switch replacement |
| 067-0647-116-03-05 | Surge pump replacement/rehabilitation |
| 067-0647-116-03-06 | Collection manhole inspection and repair |
| Not Yet Available | Design and permitting of facility headworks |
| Not Yet Available | Perc pond site-golf course disposal |
| Not Yet Available | I/I study construction remedies |
| Not Yet Available | Design/permitting of additional effluent disposal |
| Not Yet Available | Construction of facility headworks |
| Not Yet Available | Design/permitting of additional reclaimed storage |
| Not Yet Available | Design and permitting of little creek RWM |
| Not Yet Available | Expansion of existing RW filter capacity |
| Not Yet Available | Installation of air scrubber on master lift station |
| Not Yet Available | RW storage tank catwalk installation |
| Not Yet Available | Hydrogeologic investigation of perc pond capacity |
| Not Yet Available | 2 Additional H.S. pumps for reuse |
| Not Yet Available | Construction of reclaimed water storage tank |
| Not Yet Available | Replacement digester for Alafaya WWTF |

DOCUMENT NUMBER-DATE

09914 OCT 10 8

If you have questions or concerns regarding this, please advise.

Sincerely,

A handwritten signature in cursive script, appearing to read "Steven Dihel".

Steven Dihel
Regulatory Accountant

enclosure

APPROVED



Capital Project Request

Florida FL C067 0647 .417
Region State Co# Sub# ID#

Priority Level:

Project Created: 08/07/02

Related to ID #:

Project Name: Dewater, strip sediment from pond, spread berms, etc.

Company: Alafaya Utilities, Inc.

Expenses to Start: 03/15/2002

System: Alafaya Utilities, Inc.

Expenses to End: 10/01/2002

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Category: Regulatory Requirement Expand Capacity Ongoing Maintenance
 Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety



Estimated Costs by Component

WO#: 067-0647-116-02-03

PO#: _____ GL#: _____

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|-----------------------|-------------------|--|
| 20002 | CAPITALIZED TIME | \$408.00 | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) If replacing existing equipment, when (year) was the original asset placed in service? _____ |
| 20003 | INTEREST DURING CONST | \$43.00 | |
| 20332 | CONSTRUCTION | \$5,800.00 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Capital Plan Estimate: \$6,251.00 Estimate Totals: \$6,251.00

Capitalized Time Estimate: _____ Hours Total # of Customers: _____ # of Affected Customers: _____ Cost per Customer: _____?



Signature Authority & Approvals

Submitted by: _____ Title: _____ Date: _____

\$5,000 - \$10,000 _____ Regional Director Date: _____

\$10,001 - \$25,000 _____ Director of Operations Date: _____

Over \$25,000 _____ Chief Executive Officer Date: _____



Attachment(s) - Ref. # 417

Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description
List of System Projects

APPROVED

Capital Project Request

Florida FL C067 0647 417
Region State Co# Sub# ID#

Priority Level:

Project Created: 06/07/02

Related to ID #:

Project Name: **Dewater, strip sediment from pond, spread berms, etc.**

Company: **Alafaya Utilities, Inc.**

Expenses to Start: **03/15/2002**

System: **Alafaya Utilities, Inc.**

Expenses to End: **10/01/2002**

Project Description See Notes Screen for add'l info **Estimate Total: \$6,251.00**

De-water area, mobilize equipment, strip sediment from bottom of the pond, spread on berms, and grade slopes.

Justification & Benefits

Alternatives

Timing of Project

System Information

● Facility Update

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

● Anticipated Growth in Area

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

● Rate Case Information

Last Order Date: 10/94

Order Number: 23100

Type: S

Docket: 900456-SU

Test Year: Acquisition

● List of Other Projects for System - by Project Status

| <u>System</u> | <u>Description</u> | <u>Work Order #</u> | <u>Start Date</u> | <u>Finish</u> | <u>Component</u> | <u>Estimated Costs</u> | <u>Total Spent</u> |
|-------------------------|-----------------------------------|---------------------|-------------------|---------------|------------------------------|------------------------|--------------------|
| Alafaya Utilities, Inc. | Dewater, strip sediment from pond | 067-0647-116-02-03 | 3/15/02 | 6/30/02 | Capitalized Time | \$ 408.00 | \$ - |
| | | | | | Interest During Construction | \$ 43.00 | \$ - |
| | | | | | Construction | \$ 5,800.00 | \$ 5,800.00 |
| | | | | | Total | \$ 6,251.00 | \$ 5,800.00 |

Invoices:

| | <u>Amount</u> | <u>Component</u> |
|--------------------------------|---------------|------------------|
| Meissner Construction, Inc. \$ | 5,800.00 | Construction |

V10581

#AL-F Ph 1 & 2

MEISSNER CONSTRUCTION, INC.

PROJECT: Phase 1&2
DATE: 3/18/02
LOCATION: Seminole County
ENGINEER:
CUSTOMER: Utilities Inc.

INVOICE

Complete Sitework Package

| ITEM NUMBER | ITEM DESCRIPTION | EST. QUANTITY | UNIT MSR | SUB-TOTAL EXTENSION |
|-------------|-------------------------|---------------|------------|---------------------|
| 1.00 | <u>POND</u> | | | |
| 1.01 | DRYOUT RIM DITCH | | | |
| 1.02 | SPREAD RIM DITCH BOTTOM | | | |
| 1.03 | GRADE SLOPS | | | |
| 1.04 | CLEAN POND BOTTOM | | | |
| 1.00 | <u>POND</u> | | SUB TOTAL: | \$5,800.00 |

work order 5277

2

See also
OK

00067-0007-33-10+

APPROVED

Capital Project Request

Florida FL C067 0647 418
 Region State Co# Sub# ID#

Priority Level:

Project Created: 08/07/02

Related to ID#:

Project Name: **Fill & grade low areas ponds 9 & 10 to different ponds**

Company: **Alafaya Utilities, Inc.**

Expenses to Start: **04/15/2002**

System: **Alafaya Utilities, Inc.**

Expenses to End: **09/01/2002**

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Category: Regulatory Requirement Expand Capacity Ongoing Maintenance
 Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety

Estimated Costs by Component

WO#: 067-0647-116-02-04

PO#: _____

GL#: _____

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|-----------------------|-------------------|--|
| 20002 | CAPITALIZED TIME | \$1,020.00 | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) If replacing existing equipment, when (year) was the original asset placed in service? _____ |
| 20003 | INTEREST DURING CONST | \$63.00 | |
| 20332 | CONSTRUCTION | \$8,500.00 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Capital Plan Estimate: \$9,583.00 Estimate Totals: \$9,583.00

Capitalized Time Estimate: _____ Hours Total # of Customers: _____ # of Affected Customers: _____ Cost per Customer: ?

Signature Authority & Approvals

Submitted by: _____ Title: _____ Date: _____

\$5,000 - \$10,000 _____ Regional Director Date: _____

\$10,001 - \$25,000 _____ Director of Operations Date: _____

Over \$25,000 _____ Chief Executive Officer Date: _____

Attachment(s) - Ref. # 418

Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description _____
 List of System Projects _____

APPROVED

Capital Project Request

Florida FL C067 0647 418
Region State Co# Sub# ID#

Priority Level:

Project Created: 08/07/02

Related to ID #:

Project Name: **Fill & grade low areas ponds 9 & 10 to different ponds**

Company: **Alafaya Utilities, Inc.**

Expenses to Start: **04/15/2002**

System: **Alafaya Utilities, Inc.**

Expenses to End: **09/01/2002**

Project Description See Notes Screen for addtl info **Estimate Total: \$9,583.00**

Construct 860' temp. fence, remove 780' chain link fence, fill and grade low area. Fill to be taken from existing berms which separate ponds 9 and 10 into 4 different pond areas.

Justification & Benefits

Alternatives

Timing of Project

System Information

• Facility Update

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

• Anticipated Growth in Area

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

• Rate Case Information

Last Order Date: 10/94

Order Number: 23100

Type: S

Docket: 900456-SU

Test Year: Acquisition

| <u>System</u> | <u>Description</u> | <u>Work Order #</u> | <u>Start Date</u> | <u>Finish</u> | <u>Component</u> | <u>Estimated Costs</u> | <u>Total Spent</u> |
|-------------------------|--|---------------------|-------------------|---------------|------------------------------|------------------------|--------------------|
| Alafaya Utilities, Inc. | Fill & grade low areas ponds 9&10 to different ponds | 067-0647-116-02-04 | 4/15/02 | 3/3/03 | Capitalized Time | \$ 1,020.00 | \$ 56.00 |
| | | | | | Interest During Construction | \$ 63.00 | \$ 63.00 |
| | | | | | Construction | \$ 8,500.00 | \$ 8,490.00 |
| | | | | | Total | \$ 9,583.00 | \$ 8,609.00 |

Invoices:

| | <u>Amount</u> | <u>Component</u> |
|---------------|---------------|------------------|
| Sunray Paving | \$ 8,490.00 | Construction |

SUNRAY PAVING & CONSTRUCTION CO. INC.
P.O. BOX 621358
OVIEDO, FL 32762-1358
407-359-8338
407-359-8380

V16441

RECEIVED
DEC 09 2002



Prepared: 12/04/02 DATE INVOICE#
11/20/02 #9373

BILL TO: UTILITIES INC. OF FLORIDA
200 WEATHERSFIELD AVENUE
ALTAMONTE SPRINGS, FL 32714

ATTN: GERRY/NATHAN
RE: WASTEWATER POND SITE - OVIEDO

WORK FINISHED: 11/20/02
SUNRAY JOB # 4117



DESCRIPTION AMOUNT

1. CONSTRUCTED 860 L.FT TEMPORARY FENCE APPROXIMATELY 5 FEET SOUTH OF EXISTING SIDEWALK.
2. REMOVED APPROXIMATELY 780 L.FT OF EXISTING CHAIN LINK FENCE. STOCKPILED ON SITE.
3. FILLED AND GRADED LOW AREA WHERE FENCE WAS REMOVED. (APPROX. 762'X30'). COMPACTED TO NEW GRADE. FILL WAS TAKEN FROM EXISTING BERMS BETWEEN PONDS AS DIRECTED.
4. SEEDED AND MULCHED THE DISTURBED AREA.
5. REINSTALLED 780 L.FT CHAIN LINK FENCE.
6. REMOVED TEMPORARY FENCE.
7. EXTRA:
 - A. FURNISHED AND INSTALLED ONE 20' DOUBLE DRIVE GATE.

Revised

\$ 7,940.00

550.00
8,490.00

2

WO# 067-0647-116-02-04-20332

INVOICE TOTAL: \$ 8,490.00

SW 12/17

YOUR BUSINESS IS GREATLY APPRECIATED!
THANK YOU.

REPORT UIRWO(28) UI SYSTEM PAGE 5
 WORK ORDER ALLOCATION ENTRY REPORT AS OF 01-09-03

| INI- TIAL | OFF ICE | ST | EMPLOYEE NAME | WORK DT | WEEK | TOTAL HOURS | CORP | SUB | PRJ | YR | MO | HOURS | TOTAL AMT | RATE AMT |
|--------------|------------|----|---------------------|----------|------|----------------|------|------|-----|----|----|-------|-----------|----------|
| DGM | SM | NC | MEDLING,DAVID G | 11/06/02 | 46 | 1 | 087 | 0905 | 115 | 01 | 02 | 1 | 30.25 | 30.25 |
| DGM | SM | NC | MEDLING,DAVID G | 11/13/02 | 47 | 1 | 087 | 0905 | 115 | 01 | 02 | 1 | 30.25 | 30.25 |
| DGM | SM | NC | MEDLING,DAVID G | 11/20/02 | 48 | 2 | 087 | 0905 | 115 | 01 | 02 | 2 | 60.50 | 30.25 |
| DGM | SM | NC | MEDLING,DAVID G | 11/27/02 | 49 | 3 | 087 | 0905 | 115 | 01 | 02 | 3 | 90.75 | 30.25 |
| DGM | SM | NC | MEDLING,DAVID G | 12/04/02 | 50 | 3 | 087 | 0905 | 115 | 01 | 02 | 3 | 90.75 | 30.25 |
| DGM | SM | NC | MEDLING,DAVID G | 12/11/02 | 51 | 2 | 087 | 0905 | 115 | 01 | 02 | 2 | 60.50 | 30.25 |
| DGM | SM | NC | MEDLING,DAVID G | 12/18/02 | 52 | 1 | 087 | 0905 | 115 | 01 | 02 | 1 | 30.25 | 30.25 |
| DHC | FL | FL | CHRISTENSEN,DAVID | 03/13/02 | 12 | 2 | 101 | 0680 | 116 | 00 | 06 | 2 | 56.00 | 28.00 |
| DLH | FL | FL | HASTY II,DONALD L. | 01/30/02 | 6 | 2 | 101 | 0680 | 115 | 01 | 03 | 2 | 56.00 | 28.00 |
| DLH | FL | FL | HASTY II,DONALD L. | 02/06/02 | 7 | 8 | 101 | 0680 | 115 | 01 | 03 | 8 | 224.00 | 28.00 |
| DLH | FL | FL | HASTY II,DONALD L. | 02/13/02 | 8 | 5 | 101 | 0680 | 115 | 01 | 03 | 5 | 140.00 | 28.00 |
| DLH | FL | FL | HASTY II,DONALD L. | 04/17/02 | 17 | 6 | 101 | 0680 | 115 | 00 | 04 | 6 | 168.00 | 28.00 |
| DLH | FL | FL | HASTY II,DONALD L. | 04/24/02 | 18 | 3 | 101 | 0680 | 115 | 00 | 04 | 3 | 84.00 | 28.00 |
| DLH | FL | FL | HASTY II,DONALD L. | 06/05/02 | 24 | 8 | 101 | 0680 | 116 | 02 | 02 | 8 | 224.00 | 28.00 |
| DLH | FL | FL | HASTY II,DONALD L. | 06/12/02 | 25 | 20 | 101 | 0680 | 116 | 02 | 02 | 20 | 560.00 | 28.00 |
| DLH | FL | FL | HASTY II,DONALD L. | 06/19/02 | 26 | 4 | 101 | 0680 | 116 | 02 | 02 | 4 | 112.00 | 28.00 |
| DLO | FL | FL | ORR,DAVID L. | 10/16/02 | 43 | 14 | 069 | 0649 | 115 | 02 | 01 | 8 | 224.00 | 28.00 |
| | | | | | | | 067 | 0647 | 116 | 02 | 05 | 6 | 168.00 | 28.00 |
| DLO | FL | FL | ORR,DAVID L. | 12/11/02 | 51 | 5 | 067 | 0647 | 116 | 02 | 05 | 2 | 56.00 | 28.00 |
| | | | | | | | 089 | 0667 | 115 | 02 | 03 | 3 | 84.00 | 28.00 |
| DLO | FL | FL | ORR,DAVID L. | 12/18/02 | 52 | 3 | 067 | 0647 | 116 | 02 | 05 | 3 | 84.00 | 28.00 |
| DMC | SM | NC | CORN,DOUGLAS M | 09/04/02 | 37 | 2 | 087 | 0905 | 115 | 01 | 02 | 2 | 60.50 | 30.25 |
| DMC | SM | NC | CORN,DOUGLAS M | 09/11/02 | 38 | 2 | 087 | 0905 | 115 | 01 | 02 | 2 | 60.50 | 30.25 |
| DMC | SM | NC | CORN,DOUGLAS M | 09/18/02 | 39 | 2 | 087 | 0905 | 115 | 01 | 02 | 2 | 60.50 | 30.25 |
| DMC | SM | NC | CORN,DOUGLAS M | 09/25/02 | 40 | 2 | 087 | 0905 | 115 | 01 | 02 | 2 | 60.50 | 30.25 |
| DMC | SM | NC | CORN,DOUGLAS M | 10/09/02 | 42 | 1 | 087 | 0905 | 115 | 01 | 02 | 1 | 30.25 | 30.25 |
| DMC | SM | NC | CORN,DOUGLAS M | 10/16/02 | 43 | 2 | 087 | 0905 | 115 | 01 | 02 | 2 | 60.50 | 30.25 |
| DMC | SM | NC | CORN,DOUGLAS M | 10/23/02 | 44 | 1 | 087 | 0905 | 115 | 01 | 02 | 1 | 30.25 | 30.25 |
| DRL | NV | NV | LEWIS,DARRIN R. | 06/19/02 | 26 | 6 | 035 | 0110 | 115 | 02 | 02 | 6 | 195.00 | 32.50 |
| DRL | NV | NV | LEWIS,DARRIN R. | 06/26/02 | 27 | 5 | 035 | 0110 | 115 | 02 | 01 | 5 | 162.50 | 32.50 |
| DRL | NV | NV | LEWIS,DARRIN R. | 07/03/02 | 28 | 2 | 035 | 0110 | 115 | 02 | 01 | 2 | 65.00 | 32.50 |
| DRW | LA | LA | WILLIAMS JR,DELOS R | 08/21/02 | 35 | 1 | 065 | 0290 | 115 | 02 | 01 | 1 | 27.00 | 27.00 |
| DRW | LA | LA | WILLIAMS JR,DELOS R | 08/28/02 | 36 | 2 | 065 | 0290 | 115 | 02 | 01 | 2 | 54.00 | 27.00 |
| DRW | LA | LA | WILLIAMS JR,DELOS R | 09/04/02 | 37 | 4 | 065 | 0290 | 115 | 02 | 01 | 4 | 108.00 | 27.00 |
| DRW | LA | LA | WILLIAMS JR,DELOS R | 10/16/02 | 43 | 3 | 065 | 0290 | 115 | 02 | 01 | 3 | 81.00 | 27.00 |
| DSF | AZ | AZ | FIELDS, DEBRA S | 09/25/02 | 40 | 4 | 135 | 0935 | 115 | 02 | 02 | 4 | 123.00 | 30.75 |
| DSF | AZ | AZ | FIELDS, DEBRA S | 10/02/02 | 41 | 2 | 135 | 0935 | 115 | 02 | 02 | 2 | 61.50 | 30.75 |
| DSF | AZ | AZ | FIELDS, DEBRA S | 10/09/02 | 42 | 4 | 135 | 0935 | 115 | 02 | 03 | 2 | 61.50 | 30.75 |
| | | | | | | | 135 | 0935 | 115 | 02 | 03 | 2 | 61.50 | 30.75 |
| DSF | AZ | AZ | FIELDS, DEBRA S | 10/16/02 | 43 | 4 | 135 | 0935 | 115 | 02 | 03 | 2 | 61.50 | 30.75 |
| | | | | | | | 135 | 0935 | 115 | 02 | 02 | 2 | 61.50 | 30.75 |
| DSF | AZ | AZ | FIELDS, DEBRA S | 10/23/02 | 44 | 3 | 135 | 0935 | 115 | 02 | 03 | 2 | 61.50 | 30.75 |
| | | | | | | | 135 | 0935 | 115 | 02 | 02 | 1 | 30.75 | 30.75 |
| DWK | MD | VA | KNIGHT,DAVID WILSON | 10/30/02 | 45 | 20 | 047 | 0225 | 116 | 00 | 04 | 20 | 600.00 | 30.00 |
| DWK | MD | VA | KNIGHT,DAVID WILSON | 11/06/02 | 46 | 20 | 047 | 0225 | 116 | 00 | 04 | 20 | 600.00 | 30.00 |
| DWK | MD | VA | KNIGHT,DAVID WILSON | 11/13/02 | 47 | 8 | 047 | 0225 | 116 | 00 | 04 | 8 | 240.00 | 30.00 |
| DWK | MD | VA | KNIGHT,DAVID WILSON | 11/20/02 | 48 | 9 | 047 | 0225 | 116 | 00 | 04 | 9 | 270.00 | 30.00 |
| DWK | MD | VA | KNIGHT,DAVID WILSON | 11/27/02 | 49 | 16 | 047 | 0225 | 116 | 00 | 04 | 16 | 480.00 | 30.00 |
| DWK | MD | VA | KNIGHT,DAVID WILSON | 12/04/02 | 50 | 20 | 047 | 0225 | 116 | 00 | 04 | 20 | 600.00 | 30.00 |
| DWY | IL | IN | YOUNT,DARRIN W. | 11/13/02 | 47 | 4 | 060 | 0280 | 116 | 02 | 07 | 4 | 134.00 | 33.50 |

REPORT UIRWO(28) UI SYSTEM PAGE 23
 WORK ORDER ALLOCATION ENTRY REPORT AS OF 01-09-03

| INI- TIAL | OFF ICE | ST | EMPLOYEE NAME | WORK DT | WEEK | TOTAL HOURS | CORP | SUB | PRJ | YR | NO | HOURS | TOTAL AMT | RATE AMT |
|--------------|------------|----|---------------------|----------|------|----------------|------|------|-----|----|----|-------|-----------|----------|
| SLH | FL | FL | HAWS,SCOTTY LEE | 03/13/02 | 12 | 3 | 101 | 0680 | 116 | 00 | 06 | 2 | 56.00 | 28.00 |
| | | | | | | | 067 | 0647 | 116 | 01 | 01 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 03/20/02 | 13 | 4 | 067 | 0647 | 116 | 01 | 01 | 1 | 28.00 | 28.00 |
| | | | | | | | 101 | 0680 | 116 | 00 | 06 | 2 | 56.00 | 28.00 |
| | | | | | | | 090 | 0602 | 116 | 01 | 01 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 03/27/02 | 14 | 1 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 04/03/02 | 15 | 2 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| | | | | | | | 090 | 0618 | 115 | 02 | 01 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 04/10/02 | 16 | 4 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| | | | | | | | 067 | 0647 | 116 | 01 | 01 | 2 | 56.00 | 28.00 |
| | | | | | | | 090 | 0618 | 115 | 02 | 01 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 04/17/02 | 17 | 4 | 101 | 0680 | 116 | 00 | 06 | 4 | 112.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 04/24/02 | 18 | 2 | 067 | 0647 | 116 | 01 | 01 | 1 | 28.00 | 28.00 |
| | | | | | | | 090 | 0614 | 116 | 02 | 01 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 05/01/02 | 19 | 1 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 05/08/02 | 20 | 8 | 101 | 0680 | 116 | 00 | 06 | 8 | 224.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 05/15/02 | 21 | 0 | 101 | 0680 | 116 | 00 | 06 | 0 | 0.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 05/22/02 | 22 | 0 | 101 | 0680 | 116 | 00 | 06 | 0 | 0.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 05/29/02 | 23 | 1 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 06/05/02 | 24 | 3 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| | | | | | | | 090 | 0618 | 115 | 02 | 01 | 1 | 28.00 | 28.00 |
| | | | | | | | 090 | 0614 | 116 | 02 | 01 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 06/26/02 | 27 | 7 | 090 | 0618 | 115 | 02 | 01 | 2 | 56.00 | 28.00 |
| | | | | | | | 090 | 0614 | 116 | 02 | 01 | 2 | 56.00 | 28.00 |
| | | | | | | | 090 | 0614 | 116 | 02 | 01 | 2 | 56.00 | 28.00 |
| | | | | | | | 067 | 0647 | 116 | 02 | 04 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 07/03/02 | 28 | 2 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| | | | | | | | 067 | 0647 | 116 | 02 | 05 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 07/10/02 | 29 | 1 | 067 | 0647 | 116 | 02 | 04 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 07/31/02 | 32 | 3 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| | | | | | | | 067 | 0647 | 116 | 02 | 05 | 2 | 56.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 08/07/02 | 33 | 1 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 08/14/02 | 34 | 3 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| | | | | | | | 067 | 0647 | 116 | 02 | 05 | 2 | 56.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 10/09/02 | 42 | 3 | 090 | 0610 | 115 | 02 | 02 | 3 | 84.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 10/16/02 | 43 | 3 | 090 | 0610 | 115 | 02 | 01 | 2 | 56.00 | 28.00 |
| | | | | | | | 090 | 0610 | 115 | 02 | 02 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 10/23/02 | 44 | 2 | 090 | 0610 | 115 | 02 | 01 | 2 | 56.00 | 28.00 |
| SOR | LA | LA | REVERE, SCOTT OTTIS | 12/11/02 | 51 | 17 | 036 | 0752 | 116 | 02 | 02 | 17 | 573.75 | 33.75 |
| SOR | LA | LA | REVERE, SCOTT OTTIS | 12/18/02 | 52 | 23 | 036 | 0752 | 116 | 02 | 02 | 23 | 776.25 | 33.75 |
| TDC | CN | NV | CAPRON, TERRY D | 12/11/02 | 51 | 15 | 140 | 0140 | 115 | 02 | 03 | 15 | 487.50 | 32.50 |
| TJB | IL | IL | BRANT, TIM J | 05/22/02 | 22 | 4 | 001 | 0005 | 117 | 01 | 02 | 4 | 129.00 | 32.25 |
| TJB | IL | IL | BRANT, TIM J | 06/05/02 | 24 | 5 | 014 | 0046 | 115 | 02 | 02 | 5 | 161.25 | 32.25 |
| TJB | IL | IL | BRANT, TIM J | 06/12/02 | 25 | 1 | 014 | 0046 | 115 | 02 | 01 | 1 | 32.25 | 32.25 |
| TJB | IL | IL | BRANT, TIM J | 06/19/02 | 26 | 4 | 005 | 0010 | 115 | 02 | 01 | 2 | 64.50 | 32.25 |
| | | | | | | | 014 | 0046 | 115 | 02 | 01 | 2 | 64.50 | 32.25 |
| TJB | IL | IL | BRANT, TIM J | 06/26/02 | 27 | 2 | 014 | 0046 | 115 | 02 | 02 | 2 | 64.50 | 32.25 |
| TJB | IL | IL | BRANT, TIM J | 08/28/02 | 36 | 6 | 005 | 0010 | 115 | 02 | 01 | 6 | 193.50 | 32.25 |
| TJB | IL | IL | BRANT, TIM J | 09/04/02 | 37 | 3 | 005 | 0010 | 115 | 02 | 01 | 3 | 96.75 | 32.25 |
| TJB | IL | IL | BRANT, TIM J | 09/11/02 | 38 | 1 | 005 | 0010 | 115 | 02 | 01 | 1 | 32.25 | 32.25 |

REPORT UIRWO(28) WORK ORDER ALLOCATION ENTRY REPORT AS OF CREATED ON 14:44:47 01-09-03

Σ② = 56
 Σ① = 448

APPROVED

Capital Project Request

Florida FL C067 0647 419
 Region State Co# Sub# ID#

Priority Level:

Project Created: 08/07/02

Related to ID #:

Project Name: **FDEP permit application to renew permit**

Company: **Alafaya Utilities, Inc.**

Expenses to Start: **05/15/2002**

System: **Alafaya Utilities, Inc.**

Expenses to End: **11/01/2003**

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Category: Regulatory Requirement Expand Capacity Ongoing Maintenance
 Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety

Estimated Costs by Component

WO#: 067-0647-116-02-05

PO#:

GL#:

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|-----------------------|-------------------|--|
| 20002 | CAPITALIZED TIME | \$4,462.50 | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) If replacing existing equipment, when (year) was the original asset placed in service? _____ |
| 20003 | INTEREST DURING CONST | \$753.00 | |
| 20105 | ENGINEERING | \$43,500.00 | |
| | | | |
| | | | |
| | | | |

Capital Plan Estimate: \$48,715.50 Estimate Totals: \$48,715.50

Capitalized Time Estimate: Hours Total # of Customers: # of Affected Customers: Cost per Customer: ?

Signature Authority & Approvals

Submitted by: _____ Title: _____ Date: _____
 \$5,000 - \$10,000 _____ Regional Director Date: _____
 \$10,001 - \$25,000 _____ Director of Operations Date: _____
 Over \$25,000 _____ Chief Executive Officer Date: _____

Attachment(s) - Ref. # 419

Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description Estimate(s) Required
 List of System Projects _____

APPROVED



Capital Project Request

Florida FL C067 0647 419
Region State Co# Sub# ID#

Priority Level:

Project Created: 08/07/02

Related to ID #:

Project Name: **FDEP permit application to renew permit**

Company: **Alafaya Utilities, Inc.**

Expenses to Start: **05/15/2002**

System: **Alafaya Utilities, Inc.**

Expenses to End: **11/01/2003**

Project Description

See Notes Screen for addtl info **Estimate Total: \$48,715.50**

FDEP permit application, preparation of required reports, and related supporting documentation to renew FDEP permit for 5 more years.

Justification & Benefits

Alternatives

Timing of Project

System Information

• Facility Update

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

• Anticipated Growth in Area

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

• Rate Case Information

Last Order Date: 10/94

Order Number: 23100

Type: S

Docket: 900456-SU

Test Year: Acquisition

| <u>System</u> | <u>Description</u> | <u>Work Order #</u> | <u>Start Date</u> | <u>Finish</u> | <u>Component</u> | <u>Estimated Costs</u> | <u>Total Spent</u> | <u>Estimated Costs To Complete</u> |
|-------------------------|---|---------------------|-------------------|---------------|------------------------------|------------------------|---------------------|------------------------------------|
| Alafaya Utilities, Inc. | FDEP permit application to renew permit | 067-0647-116-02-05 | 5/15/02 | 11/1/03 | Capitalized Time | \$ 4,462.50 | \$ 448.00 | \$ 4,014.50 |
| | | | | | Interest During Construction | \$ 753.00 | \$ 528.00 | \$ 225.00 |
| | | | | | Construction | \$ 43,500.00 | \$ 24,443.17 | \$ 19,056.83 |
| | | | | | Total | \$ 48,715.50 | \$ 25,419.17 | \$ 23,296.33 |

Invoices:

| | <u>Amount</u> | <u>Component</u> |
|---------------------|---------------|------------------|
| CPH Engineers, Inc. | \$ 665.00 | Construction |
| CPH Engineers, Inc. | \$ 855.00 | Construction |
| PB Water | \$ 5,100.27 | Construction |
| CPH Engineers, Inc. | \$ 1,773.06 | Construction |
| CPH Engineers, Inc. | \$ 5,714.45 | Construction |
| PB Water | \$ 1,623.54 | Construction |
| CPH Engineers, Inc. | \$ 907.30 | Construction |
| CPH Engineers, Inc. | \$ 1,154.60 | Construction |
| CPH Engineers, Inc. | \$ 2,771.52 | Construction |
| CPH Engineers, Inc. | \$ 475.00 | Construction |
| PB Water | \$ 2,703.27 | Construction |
| CPH Engineers, Inc. | \$ 279.25 | Construction |
| CPH Engineers, Inc. | \$ 420.91 | Construction |

ersfield Ave.
onte Springs, FL 32714

RECEIVED V13098
OCT 31 2002



CPH Engineers, Inc.
P.O. Box 2808
Sanford, FL 32772-2808
Phone: 407.322.6841
Fax: 407.330.0639

Attention: David Orr
Invoice No: 18189
Project No: #U0723/18189
Re: Alafaya WWTF Permit Renewal and Fee.
October 22, 2002
Billing through October 14, 2002

***** PROJECT BILLING SUMMARY *****

CURRENT INVOICE (Invoice Number 18189 is enclosed)

Labor \$665.00
Consultant and Out-of-Pocket Expenses 0.00

CURRENT INVOICE TOTAL

\$665.00
\$665.00
2

David H. Orr

CPH ENGINEERS, INC.

WO # 067-0647-116-02-05-20105

PROJECT-TO-DATE

Professional Fees \$10,228.75
Consultant and Out-of-Pocket Expenses 59.57
Total Billing to Date \$10,288.32
Less Amounts Received -9,623.32

TOTAL DUE \$665.00

Statement of Account

| Invoice # | Date | 0 - 30 | 31 - 60 | 61 - 90 | 91 - 120 | 121 + | Total AR |
|-----------|------------|----------|---------|---------|----------|-------|----------|
| 18189 | 10/22/2002 | \$665.00 | | | | | \$665.00 |
| | Subtotal: | \$665.00 | | | | | \$665.00 |

Utilities, Inc.
200 Wethersfield Ave.
Altamonte Springs, FL 32714

RECEIVED
OCT 03 2002



CPH Engineers, Inc.
P.O. Box 2808
Sanford, FL 32772-2808
Phone: 407.322.6841
Fax: 407.330.0639

Attention: Gerald Chancellor
Invoice No: 17859
Project No: #U0723/17859
Re: Atafaya WWTF Permit Renewal and Fee.

September 17, 2002

Billing Through September 9, 2002

V13098

***** PROJECT BILLING SUMMARY *****

CURRENT INVOICE

(Invoice Number 17859 is enclosed)

Labor \$855.00
Consultant and Out-of-Pocket Expenses 0.00

CURRENT INVOICE TOTAL

\$855.00

Sept 10/18

2

CPH ENGINEERS, INC.

W0#067-0647-116-02-05-20105

PROJECT-TO-DATE

Professional Fees \$9,563.75
Consultant and Out-of-Pocket Expenses 59.57
Total Billing to Date \$9,623.32
Less Amounts Received -6,995.26

TOTAL DUE

\$2,628.06

Statement of Account

| Invoice # | Date | 0 - 30 | 31 - 60 | 61 - 90 | 91 - 120 | 121 + | Total AR |
|-----------|------------|------------|---------|---------|----------|-------|------------|
| 17599 | 08/20/2002 | \$1,773.06 | | | | | \$1,773.06 |
| 17859 | 09/17/2002 | \$855.00 | | | | | \$855.00 |
| | Subtotal: | \$2,628.06 | | | | | \$2,628.06 |

B WATER,

INVOICE NO.

#AR-185102

A Division of Parsons Brinckerhoff Quade & Douglas, Inc.

ISSUING COMPANY AND REMITTANCE ADDRESS

Lockbox Processing
4 Chase Metrotech Center, 7th Floor East
Lockbox No.: 6241
Brooklyn, NY 11245

CO. NO. DATE

2 9/25/02

PB PROJECT NO.

25512A

CLIENT ORDER NO (IF APPLICABLE)

PERIOD COVERED

FROM 6/29/02 TO 9/20/02

CLIENT NAME AND ADDRESS

Mr. David L. Orr, P.E.
Alafaya Utilities, Inc.
200 Weathersfield Avenue
Altamonte Springs, Florida 32714

TOTAL

INVOICE \$ 5,100.27

AMOUNT

Alafaya Reclaimed Water System

TOTAL CONTRACT AMOUNT \$14,814.00

Contract Balance: \$8,090.19

Total Billed To Date: \$6,723.81

Less Previously Billed: \$1,623.54

Total This Invoice: \$5,100.27

2

OK 5/24/10/1

WO # 067-0647-116-02-05-20105

ities, Inc.
00 Wethersfield Ave.
Altamonte Springs, FL 32714

V13098



CPH Engineers, Inc.
P.O. Box 2808
Sanford, FL 32772-2808
Phone: 407.322.6841
Fax: 407.330.0639

Attention: Gerald Chancellor
Invoice No: 17599
Project No: #U0723/17599
Re: Alafaya WWTF Permit Renewal and Fee.

August 20, 2002
Billing through August 12, 2002

RECEIVED
SEP 03 2002

***** PROJECT BILLING SUMMARY *****

CURRENT INVOICE (Invoice Number 17599 is enclosed)

Labor \$1,747.50
Consultant and Out-of-Pocket Expenses 25.56

CURRENT INVOICE TOTAL

\$1,773.06
Sub 9/10
PK
2

CPH ENGINEERS, INC.

WO# 067-0647-116-02-05-20105

PROJECT-TO-DATE

Professional Fees \$8,708.75
Consultant and Out-of-Pocket Expenses 59.57
Total Billing to Date \$8,768.32
Less Amounts Received -6,995.26

TOTAL DUE \$1,773.06

Statement of Account

| Invoice # | Date | 0 - 30 | 31 - 60 | 61 - 90 | 91 - 120 | 121 + | Total AR |
|-----------|------------|------------|---------|---------|----------|-------|------------|
| 17599 | 08/20/2002 | \$1,773.06 | | | | | \$1,773.06 |
| | Subtotal: | \$1,773.06 | | | | | \$1,773.06 |

CPH Engineers, Inc.
 Wethersfield Ave.
 Altamonte Springs, FL 32714

V13098



CPH Engineers, Inc.
 P.O. Box 2808
 Sanford, FL 32772-2808
 Phone: 407.922.6841
 Fax: 407.330.0639

RECEIVED

JUL 31 2002
 July 23, 2002 through July 14, 2002

Attention: Gerald Chancellor
 Invoice No: 17368
 Project No: #U0723/17368
 Re: Alafaya WWTF Permit Renewal and Fee

***** PROJECT BILLING SUMMARY *****

CURRENT INVOICE (Invoice Number 17368 is enclosed)

Labor \$5,701.25
 Consultant and Out-of-Pocket Expenses 13.20

CURRENT INVOICE TOTAL

\$5,714.45

568/6
 2
 PK

[Signature]

CPH ENGINEERS, INC.

WO # 067-0647-116-02-05-20105

PROJECT-TO-DATE

Professional Fees \$6,961.25
 Consultant and Out-of-Pocket Expenses 34.01
 Total Billing to Date \$6,995.26
 Less Amounts Received -373.51

TOTAL DUE

\$6,621.75

Statement of Account

| Invoice # | Date | 0 - 30 | 31 - 60 | 61 - 90 | 91 - 120 | 121 + | Total AR |
|-----------|------------|------------|----------|---------|----------|-------|------------|
| 17065 | 06/21/2002 | | \$907.30 | | | | \$907.30 |
| 17368 | 07/23/2002 | \$5,714.45 | | | | | \$5,714.45 |
| | Subtotal | \$5,714.45 | \$907.30 | | | | \$6,621.75 |

PB WATER,

INVOICE NO.

A Division of Parsons Brinckerhoff Quade & Douglas, Inc.

#AR-178317

ISSUING COMPANY AND REMITTANCE ADDRESS

Lockbox Processing
4 Chase Metrotech Center, 7th Floor East
Lockbox No.: 6241
Brooklyn, NY 11245

V15947

CO. NO. DATE

2 7/3/02

PB PROJECT NO.

25512A

CLIENT ORDER NO. (IF APPLICABLE)

CLIENT NAME AND ADDRESS

Mr. Gerald L. Chancellor, P.E.
Alafaya Utilities, Inc.
200 Weathersfield Avenue
Altamonte Springs, Florida 32714

PERIOD COVERED

FROM Inception TO 6/28/02

Alafaya Reclaimed Water System

TOTAL

INVOICE \$ 1,623.54

AMOUNT

TOTAL CONTRACT AMOUNT \$14,814.00

Contract Balance: \$13,190.46

Total Billed To Date: \$1,623.54

Less Previously Billed: \$0.00

Total This Invoice: \$1,623.54

5/27/06

2

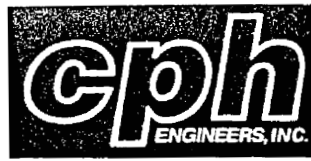
AK

WO# 067-0647-116-02-05-20105

1

s, Inc.
 Wethersfield Ave.
 Altamonte Springs, FL 32714

RECEIVED



CPH Engineers, Inc.
 P. O. Box 2808
 Sanford, FL 32772-2808
 Phone: (407) 322-6841
 Fax: (407) 330-0639

Attention: Gerald Chancellor
 Invoice No: 17065
 Project No: # U0723/17065
 Re: Alafaya WWTF Permit Renewal and Fee.

JUL 02 2002
 June 21, 2002
 Billing through June 9, 2002

V13098

UTILITIES, INC.

***** PROJECT BILLING SUMMARY *****

CURRENT INVOICE (Invoice Number 17065 is enclosed)

Labor \$900.00
 Consultant and Out-of-Pocket Expenses 7.30

CURRENT INVOICE TOTAL

RL
 \$907.30 scribble
 (2)

David A. Purnell

CPH ENGINEERS, INC.

WO # 067-0647-116-02-05-20105

PROJECT-TO-DATE

Professional Fees \$1,260.00
 Consultant and Out-of-Pocket Expenses 20.81
 Total Billing to Date \$1,280.81
 Less Amounts Received 0.00
 TOTAL DUE \$1,280.81

Statement of Account

| Invoice # | Date | 0 - 30 | 31 - 60 | 61 - 90 | 91 - 120 | 121 + | Total AR |
|-----------|------------|----------|----------|---------|----------|-------|------------|
| 16738 | 05/21/2002 | | \$373.51 | | | | \$373.51 |
| 17065 | 06/21/2002 | \$907.30 | | | | | \$907.30 |
| Subtotal: | | \$907.30 | \$373.51 | | | | \$1,280.81 |

es, Inc.
 Wethersfield Ave.
 Altamonte Springs, FL 32714

V13098

RECEIVED



CPH Engineers, Inc.
 P.O. Box 2808
 Sanford, FL 32772-2808
 Phone: 407.322.6841
 Fax: 407.330.0639

JUL 29 2003

Attention: **UTILITIES, INC.**
 Invoice No: 21077
 Project No: # U0706.04/21077
 Re: Alafaya Utilities Miscellaneous Consulting Services.

July 22, 2003

Billing through July 6, 2003

***** PROJECT BILLING SUMMARY *****

CURRENT INVOICE

(Invoice Number 21077 is enclosed)

Labor \$1,140.00
 Consultant and Out-of-Pocket Expenses 14.60

2

CURRENT INVOICE TOTAL

\$1,154.60

alafaya operating permit renewal w/o

David M. ...

CPH ENGINEERS, INC.

wo# 067-0647-116-02-05-20105

PROJECT-TO-DATE

Professional Fees \$8,407.50
 Consultant and Out-of-Pocket Expenses 103.36
 Total Billing to Date \$8,510.86
 Less Amounts Received -4,584.74

TOTAL DUE

\$3,926.12

Statement of Account

| Invoice # | Date | 0 - 30 | 31 - 60 | 61 - 90 | 91 - 120 | 121 + | Total AR |
|-----------|------------|------------|------------|---------|----------|-------|------------|
| 20733 | 06/19/2003 | | \$2,771.52 | | | | \$2,771.52 |
| 21077 | 07/22/2003 | \$1,154.60 | | | | | \$1,154.60 |
| | Subtotal: | \$1,154.60 | \$2,771.52 | | | | \$3,926.12 |

CPH Engineers, Inc.
 Wethersfield Ave.
 Ramonte Springs, FL 32714

V 13098



CPH Engineers, Inc.
 P.O. Box 2808
 Sanford, FL 32772-2808
 Phone: 407.322.6841
 Fax: 407.330.0639

RECEIVED
 JUL 07 2003

June 19, 2003

Attention:
 Invoice No: 20733
 Project No: #U0706.04/20733
 Re: Alafaya Utilities Miscellaneous Consulting Services.
 Billing through June 8, 2003

***** PROJECT BILLING SUMMARY *****

CURRENT INVOICE (Invoice Number 20733 is enclosed)

| | |
|---------------------------------------|------------|
| Labor | \$2,755.00 |
| Consultant and Out-of-Pocket Expenses | 16.52 |

FDEP permit application to renew - Alafaya w/o

CURRENT INVOICE TOTAL \$2,771.52

Sum 7/5

(2)

David A. Thomas

CPH ENGINEERS, INC.

WO# 067-0647-116-02-05-20105

PROJECT-TO-DATE

| | |
|---------------------------------------|-------------------|
| Professional Fees | \$7,267.50 |
| Consultant and Out-of-Pocket Expenses | 88.76 |
| Total Billing to Date | \$7,356.26 |
| Less Amounts Received | -4,109.74 |

TOTAL DUE \$3,246.52

Statement of Account

| Invoice # | Date | 0 - 30 | 31 - 60 | 61 - 90 | 91 - 120 | 121 + | Total AR |
|-----------|------------|------------|----------|---------|----------|-------|------------|
| 20371 | 05/13/2003 | | \$475.00 | | | | \$475.00 |
| 20733 | 06/19/2003 | \$2,771.52 | | | | | \$2,771.52 |
| Subtotal: | | \$2,771.52 | \$475.00 | | | | \$3,246.52 |

es, Inc.
Wethersfield Ave.
Altamonte Springs, FL 32714

V13098

RECEIVED



CPH Engineers, Inc.
P.O. Box 2808
Sanford, FL 32772-2808
Phone: 407.322.6841
Fax: 407.330.0639

JUN 04 2003

Attention: **UTILITIES, INC.** May 13, 2003
Invoice No: 20371 Billing through May 4, 2003
Project No: #U0706.04/20371
Re: Alafaya Utilities Miscellaneous Consulting Services.

***** PROJECT BILLING SUMMARY *****

CURRENT INVOICE (Invoice Number 20371 is enclosed)

Labor \$475.00
Consultant and Out-of-Pocket Expenses 0.00

CURRENT INVOICE TOTAL

\$475.00

2

David M. Quinn
CPH ENGINEERS, INC.

engineering fees
ALAFAYA OPERATING PERMIT RENEWAL
W/o

~~067-0647-3804005~~

PROJECT-TO-DATE

Professional Fees \$4,512.50
Consultant and Out-of-Pocket Expenses 72.24
Total Billing to Date \$4,584.74
Less Amounts Received -4,109.74

TOTAL DUE \$475.00

WO # 067-0647-116-02-05-20105

Statement of Account

| Invoice # | Date | 0 - 30 | 31 - 60 | 61 - 90 | 91 - 120 | 121 + | Total AR |
|-----------|------------|----------|---------|---------|----------|-------|----------|
| 20371 | 05/13/2003 | \$475.00 | | | | | \$475.00 |
| | Subtotal. | \$475.00 | | | | | \$475.00 |

V16126

WATER,

INVOICE NO.

AR-195268

Division of Parsons Brinckerhoff Quade & Douglas, Inc.

ISSUING COMPANY AND REMITTANCE ADDRESS

Parsons Brinckerhoff
Church Street Station
P.O. Box 6241
New York, NY 10249-6241

RECEIVED
JAN 30 2002

CO. NO. 2
DATE 1/27/03

PB PROJECT NO.
25512A

CLIENT ORDER NO. (IF APPLICABLE)

CLIENT NAME AND ADDRESS

Mr. David L. Orr, P.E.
Alafaya Utilities, Inc.
200 Weathersfield Avenue
Altamonte Springs, Florida 32714

PERIOD COVERED

FROM 9/21/02 TO 1/24/03

TOTAL INVOICE AMOUNT \$2,703.27

Alafaya Reclaimed Water System

TOTAL CONTRACT AMOUNT \$14,814.00

Contract Balance: \$5,386.92

Total Billed To Date: \$9,427.08

Less Previously Billed: \$6,723.81

Total This Invoice: \$2,703.27

2

WO# 067-116-02-05-20105
0647

...ersfield Ave.
...nte Springs, FL 32714

RECEIVED
JAN 28 2002
13098



CPH Engineers, Inc.
P.O. Box 2808
Sanford, FL 32772-2808
Phone: 407.322.6841
Fax: 407.330.0639

Attention: David Orr
Invoice No: 19076
Project No: #U0723/19076
Re: Alafaya WWTF Permit Renewal and Fee.

January 13, 2003
Billing through January 5, 2003

***** PROJECT BILLING SUMMARY *****

CURRENT INVOICE

(Invoice Number 19076 is enclosed)

Labor \$276.25
Consultant and Out-of-Pocket Expenses 3.00

CURRENT INVOICE TOTAL

\$279.25
2

CPH ENGINEERS, INC.

WO # 067-0647-116-02-05-20105

PROJECT-TO-DATE

Professional Fees \$10,925.00
Consultant and Out-of-Pocket Expenses 63.48
Total Billing to Date \$10,988.48
Less Amounts Received -10,288.32

TOTAL DUE

\$700.16

Statement of Account

| Invoice # | Date | 0 - 30 | 31 - 60 | 61 - 90 | 91 - 120 | 121 + | Total AR |
|-----------|------------|----------|---------|---------|----------|-------|----------|
| 18803 | 12/17/2002 | \$420.91 | | | | | \$420.91 |
| 19076 | 01/13/2003 | \$279.25 | | | | | \$279.25 |
| | Subtotal: | \$700.16 | | | | | \$700.16 |

nc.
ersfield Ave.
ite Springs, FL 32714

(V13098)

RECEIVED
DEC 30 2002



CPH Engineers, Inc.
P.O. Box 2808
Sanford, FL 32772-2808
Phone: 407.322.6841
Fax: 407.330.0639

Attention: David Orr

December 17, 2002

Invoice No: 18803

Billing through December 8, 2002

Project No: #U0723/18803

Re: Alafaya WWTF Permit Renewal and Fee.

***** PROJECT BILLING SUMMARY *****

CURRENT INVOICE (Invoice Number 18803 is enclosed)

Labor \$420.00
Consultant and Out-of-Pocket Expenses 0.91

CURRENT INVOICE TOTAL

\$420.91 *sum 1/14*

(2)

David H. Orr

CPH ENGINEERS, INC.

WO # 067-0647-116-02-05-20105

PROJECT-TO-DATE

Professional Fees \$10,648.75
Consultant and Out-of-Pocket Expenses 60.48
Total Billing to Date \$10,709.23
Less Amounts Received -10,288.32

TOTAL DUE \$420.91

Statement of Account

| Invoice # | Date | 0 - 30 | 31 - 60 | 61 - 90 | 91 - 120 | 121 + | Total AR |
|-----------|------------|----------|---------|---------|----------|-------|----------|
| 18803 | 12/17/2002 | \$420.91 | | | | | \$420.91 |
| | Subtotal: | \$420.91 | | | | | \$420.91 |

| ADDITIONS | ADDITIONS | ADDITIONS | ADDITIONS | ADDITIONS |
|-----------|-----------|-----------|-----------|-----------|
| AUGUST | SEPT | OCT | NOV | DEC |
| 5,714.45 | 1,773.06 | 5,955.27 | 866.00 | 0.00 |
| 61.00 | 75.00 | 120.00 | 128.00 | 127.00 |
| 8,325.29 | 10,173.35 | 16,248.62 | 17,039.62 | 17,186.62 |

| TOTALS | SALES | DIFFERENCE |
|-----------|-----------|------------|
| 16,838.82 | 16,838.82 | 0.00 |

| JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPT | OCT | NOV | DEC |
|---------|----------|-------|-------|------|------|-------|--------|-------|--------|--------|--------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.00 | 61.00 | 75.00 | 120.00 | 126.00 | 127.00 |

REPORT UIRWO(28) UI SYSTEM PAGE 5
 WORK ORDER ALLOCATION ENTRY REPORT AS OF 01-09-03

| INITIAL | OFFICE | ST | EMPLOYEE NAME | WORK DT | WEEK | TOTAL HOURS | CORP | SUB | PRJ | YR | MO | HOURS | TOTAL AMT | RATE AMT |
|---------|--------|----|----------------------|----------|------|-------------|------|------|-----|----|----|-------|-----------|----------|
| DGM | SM | NC | MEDLING, DAVID G | 11/06/02 | 46 | 1 | 087 | 0905 | 115 | 01 | 02 | 1 | 30.25 | 30.25 |
| DGM | SM | NC | MEDLING, DAVID G | 11/13/02 | 47 | 1 | 087 | 0905 | 115 | 01 | 02 | 1 | 30.25 | 30.25 |
| DGM | SM | NC | MEDLING, DAVID G | 11/20/02 | 48 | 2 | 087 | 0905 | 115 | 01 | 02 | 2 | 60.50 | 30.25 |
| DGM | SM | NC | MEDLING, DAVID G | 11/27/02 | 49 | 3 | 087 | 0905 | 115 | 01 | 02 | 3 | 90.75 | 30.25 |
| DGM | SM | NC | MEDLING, DAVID G | 12/04/02 | 50 | 3 | 087 | 0905 | 115 | 01 | 02 | 3 | 90.75 | 30.25 |
| DGM | SM | NC | MEDLING, DAVID G | 12/11/02 | 51 | 2 | 087 | 0905 | 115 | 01 | 02 | 2 | 60.50 | 30.25 |
| DGM | SM | NC | MEDLING, DAVID G | 12/18/02 | 52 | 1 | 087 | 0905 | 115 | 01 | 02 | 1 | 30.25 | 30.25 |
| DHC | FL | FL | CHRISTENSEN, DAVID | 03/13/02 | 12 | 2 | 101 | 0680 | 116 | 00 | 06 | 2 | 56.00 | 28.00 |
| DLH | FL | FL | HASTY II, DONALD L. | 01/30/02 | 6 | 2 | 101 | 0680 | 115 | 01 | 03 | 2 | 56.00 | 28.00 |
| DLH | FL | FL | HASTY II, DONALD L. | 02/06/02 | 7 | 8 | 101 | 0680 | 115 | 01 | 03 | 8 | 224.00 | 28.00 |
| DLH | FL | FL | HASTY II, DONALD L. | 02/13/02 | 8 | 5 | 101 | 0680 | 115 | 01 | 03 | 5 | 140.00 | 28.00 |
| DLH | FL | FL | HASTY II, DONALD L. | 04/17/02 | 17 | 6 | 101 | 0680 | 115 | 00 | 04 | 6 | 168.00 | 28.00 |
| DLH | FL | FL | HASTY II, DONALD L. | 04/24/02 | 18 | 3 | 101 | 0680 | 115 | 00 | 04 | 3 | 84.00 | 28.00 |
| DLH | FL | FL | HASTY II, DONALD L. | 06/05/02 | 24 | 8 | 101 | 0680 | 116 | 02 | 02 | 8 | 224.00 | 28.00 |
| DLH | FL | FL | HASTY II, DONALD L. | 06/12/02 | 25 | 20 | 101 | 0680 | 116 | 02 | 02 | 20 | 560.00 | 28.00 |
| DLH | FL | FL | HASTY II, DONALD L. | 06/19/02 | 26 | 4 | 101 | 0680 | 116 | 02 | 02 | 4 | 112.00 | 28.00 |
| DLO | FL | FL | ORR, DAVID L. | 10/16/02 | 43 | 14 | 069 | 0649 | 115 | 02 | 01 | 8 | 224.00 | 28.00 |
| | | | | | | | 067 | 0647 | 116 | 02 | 05 | 6 | 168.00 | 28.00 |
| DLO | FL | FL | ORR, DAVID L. | 12/11/02 | 51 | 5 | 067 | 0647 | 116 | 02 | 05 | 2 | 56.00 | 28.00 |
| | | | | | | | 089 | 0667 | 115 | 02 | 03 | 3 | 84.00 | 28.00 |
| DLO | FL | FL | ORR, DAVID L. | 12/18/02 | 52 | 3 | 067 | 0647 | 116 | 02 | 05 | 3 | 84.00 | 28.00 |
| DMC | SM | NC | CORN, DOUGLAS M | 09/04/02 | 37 | 2 | 087 | 0905 | 115 | 01 | 02 | 2 | 60.50 | 30.25 |
| DMC | SM | NC | CORN, DOUGLAS M | 09/11/02 | 38 | 2 | 087 | 0905 | 115 | 01 | 02 | 2 | 60.50 | 30.25 |
| DMC | SM | NC | CORN, DOUGLAS M | 09/18/02 | 39 | 2 | 087 | 0905 | 115 | 01 | 02 | 2 | 60.50 | 30.25 |
| DMC | SM | NC | CORN, DOUGLAS M | 09/25/02 | 40 | 2 | 087 | 0905 | 115 | 01 | 02 | 2 | 60.50 | 30.25 |
| DMC | SM | NC | CORN, DOUGLAS M | 10/09/02 | 42 | 1 | 087 | 0905 | 115 | 01 | 02 | 1 | 30.25 | 30.25 |
| DMC | SM | NC | CORN, DOUGLAS M | 10/16/02 | 43 | 2 | 087 | 0905 | 115 | 01 | 02 | 2 | 60.50 | 30.25 |
| DMC | SM | NC | CORN, DOUGLAS M | 10/23/02 | 44 | 1 | 087 | 0905 | 115 | 01 | 02 | 1 | 30.25 | 30.25 |
| DRL | NV | NV | LEWIS, DARRIN R. | 06/19/02 | 26 | 6 | 035 | 0110 | 115 | 02 | 02 | 6 | 195.00 | 32.50 |
| DRL | NV | NV | LEWIS, DARRIN R. | 06/26/02 | 27 | 5 | 035 | 0110 | 115 | 02 | 01 | 5 | 162.50 | 32.50 |
| DRL | NV | NV | LEWIS, DARRIN R. | 07/03/02 | 28 | 2 | 035 | 0110 | 115 | 02 | 01 | 2 | 65.00 | 32.50 |
| DRW | LA | LA | WILLIAMS JR, DELOS R | 08/21/02 | 35 | 1 | 065 | 0290 | 115 | 02 | 01 | 1 | 27.00 | 27.00 |
| DRW | LA | LA | WILLIAMS JR, DELOS R | 08/28/02 | 36 | 2 | 065 | 0290 | 115 | 02 | 01 | 2 | 54.00 | 27.00 |
| DRW | LA | LA | WILLIAMS JR, DELOS R | 09/04/02 | 37 | 4 | 065 | 0290 | 115 | 02 | 01 | 4 | 108.00 | 27.00 |
| DRW | LA | LA | WILLIAMS JR, DELOS R | 10/16/02 | 43 | 3 | 065 | 0290 | 115 | 02 | 01 | 3 | 81.00 | 27.00 |
| DSF | AZ | AZ | FIELDS, DEBRA S | 09/25/02 | 40 | 4 | 135 | 0935 | 115 | 02 | 02 | 4 | 123.00 | 30.75 |
| DSF | AZ | AZ | FIELDS, DEBRA S | 10/02/02 | 41 | 2 | 135 | 0935 | 115 | 02 | 02 | 2 | 61.50 | 30.75 |
| DSF | AZ | AZ | FIELDS, DEBRA S | 10/09/02 | 42 | 4 | 135 | 0935 | 115 | 02 | 03 | 2 | 61.50 | 30.75 |
| | | | | | | | 135 | 0935 | 115 | 02 | 03 | 2 | 61.50 | 30.75 |
| DSF | AZ | AZ | FIELDS, DEBRA S | 10/16/02 | 43 | 4 | 135 | 0935 | 115 | 02 | 03 | 2 | 61.50 | 30.75 |
| | | | | | | | 135 | 0935 | 115 | 02 | 02 | 2 | 61.50 | 30.75 |
| DSF | AZ | AZ | FIELDS, DEBRA S | 10/23/02 | 44 | 3 | 135 | 0935 | 115 | 02 | 03 | 2 | 61.50 | 30.75 |
| | | | | | | | 135 | 0935 | 115 | 02 | 02 | 1 | 30.75 | 30.75 |
| DWK | MD | VA | KNIGHT, DAVID WILSON | 10/30/02 | 45 | 20 | 047 | 0225 | 116 | 00 | 04 | 20 | 600.00 | 30.00 |
| DWK | MD | VA | KNIGHT, DAVID WILSON | 11/06/02 | 46 | 20 | 047 | 0225 | 116 | 00 | 04 | 20 | 600.00 | 30.00 |
| DWK | MD | VA | KNIGHT, DAVID WILSON | 11/13/02 | 47 | 8 | 047 | 0225 | 116 | 00 | 04 | 8 | 240.00 | 30.00 |
| DWK | MD | VA | KNIGHT, DAVID WILSON | 11/20/02 | 48 | 9 | 047 | 0225 | 116 | 00 | 04 | 9 | 270.00 | 30.00 |
| DWK | MD | VA | KNIGHT, DAVID WILSON | 11/27/02 | 49 | 16 | 047 | 0225 | 116 | 00 | 04 | 16 | 480.00 | 30.00 |
| DWK | MD | VA | KNIGHT, DAVID WILSON | 12/04/02 | 50 | 20 | 047 | 0225 | 116 | 00 | 04 | 20 | 600.00 | 30.00 |
| DWY | IL | IN | YOUNT, DARRIN W. | 11/13/02 | 47 | 4 | 060 | 0280 | 116 | 02 | 07 | 4 | 134.00 | 33.50 |

REPORT UIRWO(28) UI SYSTEM PAGE 23
 WORK ORDER ALLOCATION ENTRY REPORT AS OF 01-09-03

| INI-TIAL | OFF ICE | ST | EMPLOYEE NAME | WORK DT | WEEK | TOTAL HOURS | CORP | SUB | PRJ | YR | NO | HOURS | TOTAL AMT | RATE AMT |
|----------|---------|----|---------------------|----------|------|-------------|------|------|-----|----|----|-------|-----------|----------|
| SLH | FL | FL | HAWS,SCOTTY LEE | 03/13/02 | 12 | 3 | 101 | 0680 | 116 | 00 | 06 | 2 | 56.00 | 28.00 |
| | | | | | | | 067 | 0647 | 116 | 01 | 01 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 03/20/02 | 13 | 4 | 067 | 0647 | 116 | 01 | 01 | 1 | 28.00 | 28.00 |
| | | | | | | | 101 | 0680 | 116 | 00 | 06 | 2 | 56.00 | 28.00 |
| | | | | | | | 090 | 0602 | 116 | 01 | 01 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 03/27/02 | 14 | 1 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 04/03/02 | 15 | 2 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| | | | | | | | 090 | 0618 | 115 | 02 | 01 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 04/10/02 | 16 | 4 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| | | | | | | | 067 | 0647 | 116 | 01 | 01 | 2 | 56.00 | 28.00 |
| | | | | | | | 090 | 0618 | 115 | 02 | 01 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 04/17/02 | 17 | 4 | 101 | 0680 | 116 | 00 | 06 | 4 | 112.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 04/24/02 | 18 | 2 | 067 | 0647 | 116 | 01 | 01 | 1 | 28.00 | 28.00 |
| | | | | | | | 090 | 0614 | 116 | 02 | 01 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 05/01/02 | 19 | 1 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 05/08/02 | 20 | 8 | 101 | 0680 | 116 | 00 | 06 | 8 | 224.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 05/15/02 | 21 | 0 | 101 | 0680 | 116 | 00 | 06 | 0 | 0.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 05/22/02 | 22 | 0 | 101 | 0680 | 116 | 00 | 06 | 0 | 0.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 05/29/02 | 23 | 1 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 06/05/02 | 24 | 3 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| | | | | | | | 090 | 0618 | 115 | 02 | 01 | 1 | 28.00 | 28.00 |
| | | | | | | | 090 | 0614 | 116 | 02 | 01 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 06/26/02 | 27 | 7 | 090 | 0618 | 115 | 02 | 01 | 2 | 56.00 | 28.00 |
| | | | | | | | 090 | 0614 | 116 | 02 | 01 | 2 | 56.00 | 28.00 |
| | | | | | | | 090 | 0614 | 116 | 02 | 01 | 2 | 56.00 | 28.00 |
| | | | | | | | 067 | 0647 | 116 | 02 | 04 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 07/03/02 | 28 | 2 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| | | | | | | | 067 | 0647 | 116 | 02 | 05 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 07/10/02 | 29 | 1 | 067 | 0647 | 116 | 02 | 04 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 07/31/02 | 32 | 3 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| | | | | | | | 067 | 0647 | 116 | 02 | 05 | 2 | 56.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 08/07/02 | 33 | 1 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 08/14/02 | 34 | 3 | 101 | 0680 | 116 | 00 | 06 | 1 | 28.00 | 28.00 |
| | | | | | | | 067 | 0647 | 116 | 02 | 05 | 2 | 56.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 10/09/02 | 42 | 3 | 090 | 0610 | 115 | 02 | 02 | 3 | 84.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 10/16/02 | 43 | 3 | 090 | 0610 | 115 | 02 | 01 | 2 | 56.00 | 28.00 |
| | | | | | | | 090 | 0610 | 115 | 02 | 02 | 1 | 28.00 | 28.00 |
| SLH | FL | FL | HAWS,SCOTTY LEE | 10/23/02 | 44 | 2 | 090 | 0610 | 115 | 02 | 01 | 2 | 56.00 | 28.00 |
| SOR | LA | LA | REVERE, SCOTT OTTIS | 12/11/02 | 51 | 17 | 036 | 0752 | 116 | 02 | 02 | 17 | 573.75 | 33.75 |
| SOR | LA | LA | REVERE, SCOTT OTTIS | 12/18/02 | 52 | 23 | 036 | 0752 | 116 | 02 | 02 | 23 | 776.25 | 33.75 |
| TDC | CN | NV | CAPRON,TERRY D | 12/11/02 | 51 | 15 | 140 | 0140 | 115 | 02 | 03 | 15 | 487.50 | 32.50 |
| TJB | IL | IL | BRANT,TIM J | 05/22/02 | 22 | 4 | 001 | 0005 | 117 | 01 | 02 | 4 | 129.00 | 32.25 |
| TJB | IL | IL | BRANT,TIM J | 06/05/02 | 24 | 5 | 014 | 0046 | 115 | 02 | 02 | 5 | 161.25 | 32.25 |
| TJB | IL | IL | BRANT,TIM J | 06/12/02 | 25 | 1 | 014 | 0046 | 115 | 02 | 01 | 1 | 32.25 | 32.25 |
| TJB | IL | IL | BRANT,TIM J | 06/19/02 | 26 | 4 | 005 | 0010 | 115 | 02 | 01 | 2 | 64.50 | 32.25 |
| | | | | | | | 014 | 0046 | 115 | 02 | 01 | 2 | 64.50 | 32.25 |
| TJB | IL | IL | BRANT,TIM J | 06/26/02 | 27 | 2 | 014 | 0046 | 115 | 02 | 02 | 2 | 64.50 | 32.25 |
| TJB | IL | IL | BRANT,TIM J | 08/28/02 | 36 | 6 | 005 | 0010 | 115 | 02 | 01 | 6 | 193.50 | 32.25 |
| TJB | IL | IL | BRANT,TIM J | 09/04/02 | 37 | 3 | 005 | 0010 | 115 | 02 | 01 | 3 | 96.75 | 32.25 |
| TJB | IL | IL | BRANT,TIM J | 09/11/02 | 38 | 1 | 005 | 0010 | 115 | 02 | 01 | 1 | 32.25 | 32.25 |

APPROVED

EMERGENCY

Capital Project Request

Florida FL C067 0647 891
 Region State Co# Sub# ID#

Priority Level:

Project Created: 11/24/02

Related to ID #:

Project Name: Upgrade of Stand By Generator Fuel Supply Lines

Company: Alafaya Utilities, Inc.

Expenses to Start: 12/09/2002

System: Alafaya Utilities, Inc.

Expenses to End: 12/13/2002

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Regulatory Requirement Expand Capacity Ongoing Maintenance
 Category: Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety

Estimated Costs by Component

WO#: 067-0647-116-02-06

PO#: _____ GL#: _____

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|---------------------------------|-------------------|--|
| 20002 | Capitalized Time | \$510.00 | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) If replacing existing equipment, when (year) was the original asset placed in service? _____ |
| 20003 | IDC | \$82.00 | |
| 20706 | Labor, Materials & Installation | \$10,491.00 | |
| 20706 | Electrical for day tank | \$500.00 | |
| | | | |
| | | | |

Capital Plan Estimate: \$10,991.00 Estimate Totals: \$11,583.00

Capitalized Time Estimate: 20 Hours Total # of Customers: 5,938 # of Affected Customers: _____ Cost per Customer: \$1.95

Signature Authority & Approvals

Submitted by: Scotty Haws Title: Assistant Operations Manager Date: 11/24/02

\$5,000 - \$10,000 Don Rasmussen Regional Director Date: 12/02/02

\$10,001 - \$25,000 Susan J. Fortino Director of Operations Date: 12/12/02

Over \$25,000 _____ Chief Executive Officer Date: _____

Attachment(s) - Ref. # 891 Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description _____
 List of System Projects _____



EMERGENCY

APPROVED**Capital Project Request**

| | | | | |
|---------|-------|------|------|-----|
| Florida | FL | C067 | 0647 | 891 |
| Region | State | Co# | Sub# | ID# |

Priority Level:

Project Created: 11/24/02

Related to ID #:

Project Name: Upgrade of Stand By Generator Fuel Supply Lines

Company: Alafaya Utilities, Inc.

Expenses to Start: 12/09/2002

System: Alafaya Utilities, Inc.

Expenses to End: 12/13/2002

Project Description See Notes Screen for add'l info Estimate Total: \$11,583.00

Excavation and removal of approximately 90 feet of underground fuel lines, assessment of pipe removal, installation of approximately 90 feet of new supply and return lines underground from fuel tank to the generator with fiberglass containment pipe. Return day tank added for over fill protection.

Justification & Benefits

Storage Tank Facility Compliance Inspection Report revealed that underground piping must have secondary containment to be in compliance with rule .510 (3) (d). These facilities were installed in the mid 1980's at which time a secondary containment was not required. Secondary containment and a return day tank will reduce the possibility of a diesel contamination at the facilities.

Alternatives

1. POSTPONE PROJECT. This would not be a viable option due to being cited by the FDEP Bureau of Petroleum Storage Systems, regarding a rule which requires secondary containment.

Timing of Project

Work has been scheduled with a contractor on 12/9/02, due to this being a non compliance issue.

System Information

- Facility Update

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

- Anticipated Growth in Area

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

- Rate Case Information

| <u>System</u> | <u>Description</u> | <u>Work Order #</u> | <u>Start Date</u> | <u>Finish</u> | <u>Component</u> | <u>Estimated Costs</u> | <u>Total Spent</u> |
|-------------------------|--|---------------------|-------------------|---------------|------------------------------------|------------------------|---------------------|
| Alafaya Utilities, Inc. | Upgrade of standby generator fuel supply lines | 067-0647-116-02-06 | 12/9/02 | 3/3/03 | Capitalized Time | \$ 510.00 | \$ - |
| | | | | | Interest During Construction | \$ 82.00 | \$ - |
| | | | | | Labor, materials, and Installation | \$ 10,491.00 | \$ 10,491.00 |
| | | | | | Electrical for day tank | \$ 500.00 | \$ - |
| | | | | | Total | \$ 11,583.00 | \$ 10,491.00 |

Invoices:

| | <u>Amount</u> | <u>Component</u> |
|-------------------------|---------------|------------------------------------|
| ACTS Construction, Inc. | \$ 10,491.00 | Labor, materials, and Installation |

INVOICE

Please Remit To:

ACTS Construction Inc.
PO Box 680427
Orlando, FL 32868

✓ 15456

INVOICE NO: #03002C

INVOICE DATE: 1/13/03

RECEIVED JAN 15 2003

TERMS: Upon Receipt
: GS

SOLD TO: Utilities Inc.
: 200 Weathersfield
: Altamonte Springs, FL 32714
:

LOCATION: Same
:
:
:

DATE SHIPPED: 1-13-03

YOUR ORDER NO: S-466B

OUR ORDER NO: 02055

DESCRIPTION: Excavate and remove approx. 90' of underground fuel lines.
Furnish and install approx. 90' new fuel supply and return lines
underground from fuel tank to generator as per contract.

Contract Price \$ 9,691.00

Extra: Used Return Day Tank w/ Pump \$ 800.00

Total Amount Due \$ 10,491.00

TOTAL AMOUNT DUE UPON RECEIPT OF THIS INVOICE: \$ 10,491.00

2

sw 1/28
AK

PLEASE REMIT

- W0 #067-0647-116-02-06-20706

If there are any questions concerning this invoice please contact our office @ 407-578-4833. We appreciate your business and ask that you remit within the terms as stated in our contract. If this transaction is not under contract, any sales and/or service orders are due upon receipt. There is an 1.5% interest charge per month on all past due balances. We do not send statements, so please pay from this invoice. We are a small business and rely on your prompt payment. Thank You.

APPROVED

Capital Project Request

Florida FL C067 0647 1066
Region State Co# Sub# ID#

Priority Level: 1

Project Created: 12/26/02

Related to ID #:

Project Name: Alafaya WWTP Headworks Engineering Evaluation

Company: Alafaya Utilities, Inc.

Expenses to Start: 01/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 08/15/2003

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Category: Regulatory Requirement Expand Capacity Ongoing Maintenance
Improve Service Provide New Service Other (explain below)
Cost Reduction Improve Safety

Estimated Costs by Component

WO#: 067-0647-116-03-01

PO#: GL#:

Table with 4 columns: Component(s), Component Description, Original Estimate, Asset Designation. Rows include Capitalized Time, IDC, and Engineering.

Capital Plan Estimate: \$7,500.00 Estimate Totals: \$7,839.00

Capitalized Time Estimate: 10 Hours Total # of Customers: 5,938 # of Affected Customers: Cost per Customer: \$1.32

Signature Authority & Approvals

Submitted by: David L. Orr, E1 Title: Regional Manager Date: 12/26/02
\$5,000 - \$10,000 Don Rasmussen Regional Director Date: 12/27/02
\$10,001 - \$25,000 Director of Operations Date:
Over \$25,000 Chief Executive Officer Date:

Attachment(s) - Ref. # 1066
Fax QuickMail / Email
Interoffice Mail Hand Delivery

Project Description
List of System Projects

APPROVED



Capital Project Request

Florida FL C067 0647 1066
Region State Co# Sub# ID#

Priority Level: 1

Project Created: 12/26/02

Related to ID #:

Project Name: **Alafaya WWTP Headworks Engineering Evaluation**

Company: **Alafaya Utilities, Inc.**

Expenses to Start: **01/01/2003**

System: **Alafaya Utilities, Inc.**

Expenses to End: **08/15/2003**

Project Description See Notes Screen for addtl info **Estimate Total: \$7,839.00**

Professional engineering evaluation of the Alafaya head works and recommendation report.

Justification & Benefits

Current surge tank capacity and configuration appears to be inadequate for the wastewater flows current experienced at the facility. During peak flow periods, operations personnel are faced with inadequate storage volume. Also, the current configuration of the surge tanks creates overflow and bypass scenarios since the current configuration replicates a lift station configuration rather than allowing for the storage and return of plant flows in excess of the average daily design capacity of the treatment plants.

Alternatives

An engineering evaluation is required to determine the alternatives to constructing additional tankage.

Timing of Project

Current plant flows appear to be surpassing the effective capacity of the surge tanks. Timing is of the essence.

System Information

• Facility Update

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

• Anticipated Growth in Area

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

• Rate Case Information

Last Order Date: 10/94

| <u>System</u> | <u>Description</u> | <u>Work Order #</u> | <u>Start Date</u> | <u>Finish</u> | <u>Component</u> | <u>Estimated Costs</u> | <u>Total Spent</u> |
|-------------------------|---|---------------------|-------------------|---------------|------------------------------|------------------------|--------------------|
| Alafaya Utilities, Inc. | Alafaya WWTP headworks engineering evaluation | 067-0647-116-03-01 | 1/1/03 | 7/31/03 | Capitalized Time | \$ 255.00 | \$ - |
| | | | | | Interest During Construction | \$ 84.00 | \$ - |
| | | | | | Engineering | \$ 7,500.00 | \$ 7,498.20 |
| | | | | | Total | \$ 7,839.00 | \$ 7,498.20 |

| <u>Invoices:</u> | <u>Amount</u> | <u>Component</u> |
|---------------------|---------------|------------------|
| CPH Engineers, Inc. | \$ 7,498.20 | Engineering |

ies, Inc.
50 Wethersfield Ave.
Altamonte Springs, FL 32714

V15098



CPH Engineers, Inc.
P.O. Box 2808
Sanford, FL 32772-2808
Phone: 407.322.6841
Fax: 407.330.0639

APR 03 2003

March 18, 2003

Billing through March 9, 2003

Attention: David Orr
Invoice No: 19737
Project No: #U0734/19737
Re: Alafaya Headworks Improvements

***** PROJECT BILLING SUMMARY *****

CURRENT INVOICE (Invoice Number 19737 is enclosed)

Labor \$6,757.50
Consultant and Out-of-Pocket Expenses 740.70

CURRENT INVOICE TOTAL

\$7,498.20

Handwritten initials and a circled number 2.

Handwritten signature of David Orr

CPH ENGINEERS, INC.

WO# 067-0647-116-03-01-20105

PROJECT-TO-DATE

Professional Fees \$6,757.50
Consultant and Out-of-Pocket Expenses 740.70

Total Billing to Date \$7,498.20
Less Amounts Received 0.00

TOTAL DUE \$7,498.20

Statement of Account

| Invoice # | Date | 0 - 30 | 31 - 60 | 61 - 90 | 91 - 120 | 121 + | Total AR |
|-----------|------------|------------|---------|---------|----------|-------|------------|
| 19737 | 03/18/2003 | \$7,498.20 | | | | | \$7,498.20 |
| | Subtotal: | \$7,498.20 | | | | | \$7,498.20 |

APPROVED

Capital Project Request

Florida FL C067 0647 697
 Region State Co# Sub# ID#

Priority Level: Project Created: 11/07/02 Related to ID #: 2002-420

Project Name: 20" Reuse Main from WWTF to west side of Lockwood

Company: Alafaya Utilities, Inc. Expenses to Start: 08/01/2002
 System: Alafaya Utilities, Inc. Expenses to End: 10/01/2004

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Regulatory Requirement Expand Capacity Ongoing Maintenance
 Category: Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety

Estimated Costs by Component

WO#: 067-0647-116-03-02
 PO#: GL#

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|-----------------------|-------------------|--|
| 20002 | Capitalized Time | \$2,550.00 | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) If replacing existing equipment, when (year) was the original asset placed in service? _____ |
| 20003 | IDC | \$31,527.00 | |
| 20812 | Engineering | \$37,500.00 | |
| 20812 | Permits | \$14,500.00 | |
| 20812 | Surveying | \$20,000.00 | |
| 20812 | Plant | \$488,000.00 | |
| | | | |

Capital Plan Estimate: \$560,000.00 Estimate Totals: \$594,077.00

Capitalized Time Estimate: 100 Hours Total # of Customers: 5,873 # of Affected Customers: Cost per Customer: \$101.15

Signature Authority & Approvals

Submitted by: Bryan Gongre Title: Asst. Operations Manager Date: 07/23/02
 \$5,000 - \$10,000 Don Rasmussen Regional Director Date: 08/29/02
 \$10,001 - \$25,000 Susan J. Fortino Director of Operations Date: 11/11/02
 Over \$25,000 Jim Camaren Chief Executive Officer Date: 10/22/02

Attachment(s) - Ref: # 697 Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description Estimate(s) Required See Boyd Environmental Engineering Services Proposal
 List of System Projects Timeline Required dated June 28, 2002 - Timeline included

APPROVED

Capital Project Request

Florida FL C067 0647 697
 Region State Co# Sub# ID#

Priority Level:

Project Created: 11/07/02

Related to ID #: 2002-420

Project Name: **20" Reuse Main from WWTF to west side of Lockwood**

Company: Alafaya Utilities, Inc.

Expenses to Start: 08/01/2002

System: Alafaya Utilities, Inc.

Expenses to End: 10/01/2004

Project Description See Notes Screen for addtl info Estimate Total: \$594,077.00

The project consists of the costs related to the engineering, permitting and construction of a 20" reuse water main beginning at the Alafaya WWTF and traversing a rear easement from the facility approximately 7,000 LF to the west side of Lockwood Boulevard. The new main would then be connected to an existing 20" reuse main at Lockwood Boulevard.

Justification & Benefits

Water conservation issues surrounding the availability of reuse have gained significant importance throughout the region among state and local governmental authorities. This is primarily due to the population growth throughout the state and dwindling groundwater supplies. During the past (as well as the present), Alafaya Utilities has provided reuse quality effluent to the Twin Rivers golf course as a means of effluent disposal. The benefits of providing reclaimed water include additional effluent disposal capacity, revenue and a positive public image.

Background:

To facilitate the distribution of reclaimed water to the service area, the utility was required to invest in and install transmission mains that would connect to existing subdivision infrastructure, as well as future developer-contributed facilities. The distribution system design is based upon a study performed by an engineering firm using a projected 50% subscription rate at build out. The final design incorporated the use of an existing 10" reuse main that originates at the WWTF and terminates at the golf course holding pond, in conjunction with a proposed parallel 20" reuse main.

Currently the utility is utilizing the 10" reuse main to provide service to the Ekana Green and Waverlee Woods subdivisions. Due to the reuse program's infancy and current subscription rate, the use of this line has permitted adequate service capability. Although this is currently the case, the system as it stands will not provide adequate carrying capacity necessary to provide reuse service to other areas as projected.

Justification:

The project is necessary to facilitate the projected 50% residential reuse service subscription rate within the Sanctuary and Live Oak subdivisions.

Alternatives

Timing of Project Timeline Required

See Proposed Schedule provided in June 28, 2002 Boyd Environmental Engineering proposal.

System Information

• Facility Update

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East

APPROVED



Capital Project Request

Florida FL C067 0647 697
Region State Co# Sub# ID#

Priority Level:

Project Created: 11/07/02

Related to ID #: 2002-420

Project Name: 20" Reuse Main from WWTF to west side of Lockwood

Company: Alafaya Utilities, Inc.

Expenses to Start: 08/01/2002

System: Alafaya Utilities, Inc.

Expenses to End: 10/01/2004

covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

• Anticipated Growth in Area

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

• Rate Case Information

Last Order Date: 10/94

Order Number: 23100

Type: S

Docket: 900456-SU

Test Year: Acquisition

• List of Other Projects for System - by Project Status

| Sub | Status | Proj ID | Project Name | Date | Estimate | Spent |
|------|------------------|---------|--|----------|-----------|-------|
| 0647 | Capital Planning | 1164 | Design and Permitting of Facility Headworks | 04/15/03 | \$40,500 | |
| 0647 | Capital Planning | 198 | Perc Pond Site - Golf Course Disposal | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1166 | Design/Permitting of Additional Reclaimed | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1169 | I/I Study Construction Remedies | 06/01/03 | \$500,000 | |
| 0647 | Capital Planning | 1170 | Design and Permitting of Little Creek RWM | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1172 | Design/Permitting of Additional Effluent | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1175 | Expansion of Existing RW Filter Capacity | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1176 | Installation of Air Scrubber on Master Lift | 06/01/03 | \$70,000 | |
| 0647 | Capital Planning | 1177 | RW Storage Tank Catwalk Installation | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1174 | Hydrogeologic Investigation of Perc Pond | 08/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1527 | Waverly & Ekana Reclaimed Connections | 08/01/03 | | |
| 0647 | Capital Planning | 1165 | Construction of Facility Headworks | 09/30/03 | \$500,000 | |
| 0647 | Capital Planning | 203 | 2 Additional H.S. Pumps for Reuse | 10/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1594 | Addition of Permanent Reuse Instrument | 10/01/03 | | |
| 0647 | Capital Planning | 1171 | Construction of Little Creek RWM | 11/30/03 | \$500,000 | |
| 0647 | Capital Planning | 1173 | Construction of Additional Effluent Disposal | 11/30/03 | \$300,000 | |
| 0647 | Capital Planning | 1167 | Construction of Reclaimed Water Storage | 12/01/03 | \$750,000 | |
| 0647 | Capital Planning | 204 | Sludge facilities, dewatering, and other | 01/01/04 | \$75,000 | |
| 0647 | Capital Planning | 1621 | Replacement Digester for Alafaya WWTF | 01/01/04 | \$600,000 | |
| 0647 | Capital Planning | 201 | Sand filter rehab & chlorine contact | 02/01/04 | \$20,000 | |

| <u>System</u> | <u>Description</u> | <u>Work Order #</u> | <u>Start Date</u> | <u>Finish</u> | <u>Component</u> | <u>Estimated Costs</u> | <u>Total Spent</u> | <u>Estimated Costs To Complete</u> |
|-------------------------|---|---------------------|-------------------|---------------|------------------------------|------------------------|--------------------|------------------------------------|
| Atafaya Utilities, Inc. | 20" reuse main from WWTF to west side of lockwood | 067-0647-116-03-02 | 8/1/02 | 10/1/04 | Capitalized Time | \$ 2,550.00 | \$ - | \$ 2,550.00 |
| | | | | | Interest During Construction | \$ 31,527.00 | \$ - | \$ 31,527.00 |
| | | | | | Engineering | \$ 37,500.00 | \$ 2,700.00 | \$ 34,800.00 |
| | | | | | Permits | \$ 14,500.00 | \$ - | \$ 14,500.00 |
| | | | | | Surveying | \$ 20,000.00 | \$ - | \$ 20,000.00 |
| | | | | | Plant | \$ 488,000.00 | \$ 460.00 | \$ 487,540.00 |
| | | | | | Total | \$ 594,077.00 | \$ 3,160.00 | \$ 590,917.00 |

| <u>Invoices:</u> | <u>Amount</u> | <u>Component</u> |
|------------------|---------------|------------------|
| Boyd Engineering | \$ 1,840.00 | Engineering |
| Boyd Engineering | \$ 860.00 | Engineering |
| Boyd Engineering | \$ 460.00 | Plant |

September 1, 2003

RECEIVED

V07964

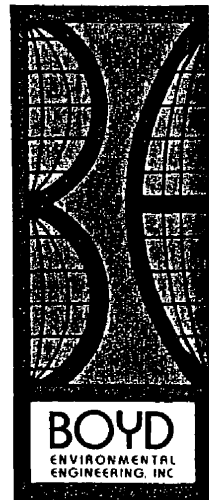
SEP 04 2003

Utilities, Inc. of Florida
200 Weathersfield Avenue
Altamonte Springs, Florida 32714
Attn: Mr. Bryan Gongre

UTILITIES, INC.

Re: Invoice for Professional Services Rendered
for the Period Ending August 31, 2003

Project: Alafaya Utilities Reclaimed Water System
Boyd Environmental Project No. #012-D-01/2339
Invoice # 2339



| Employee Classification | Hours | Rate | Fee |
|-------------------------|-------|--|----------|
| Project Director | 0.00 | \$90.00 | \$0.00 |
| Project Manager | 0.00 | 80.00 | 0.00 |
| Project Engineer | 0.00 | 70.00 | 0.00 |
| Staff Engineer | 0.00 | 55.00 | 0.00 |
| Environmental Scientist | 0.00 | 50.00 | 0.00 |
| Technician | 0.00 | 40.00 | 0.00 |
| Secretary | 0.00 | 25.00 | 0.00 |
| | | Subtotal | \$0.00 |
| | | Add Reimbursable Expenses (Breakdown Below) | 1,840.00 |

2

Total Amount Due and Payable
Payment Due Within 30 Days of Invoice Date

\$1,840.00

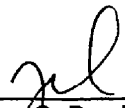
Reimbursable Expense Breakdown
Allen-Craig Civil Engineering = \$1,840.00 (Invoice Attached)

Allen-Craig

Professional Services Included
1. Multiple pressure tests for the reuse main along CR 419.

WO# 067-0647-116-03-02-20812

Thank you for the opportunity to provide these services.


James C. Boyd, P.E.
President




RECEIVED

September 1, 2003

SEP 04 2003

V07964

Alafaya Utilities, Inc.
200 Weathersfield Avenue
Altamonte Springs, FL 32714
Attn: Mr. Bryan Gongre

UTILITIES, INC.



Re: Invoice for Professional Services Rendered
for the Period Ending August 31, 2003

Project: Alafaya WWTF Reuse Main
Boyd Environmental Project No. 012-D-03 / 2340
Invoice # 2340

| Task | Fee Amount | Percent Complete To Date | Amount Complete To Date | Less Previous Invoices | Amount Due |
|--------------------------------|--------------------|--------------------------|-------------------------|------------------------|-----------------|
| Survey | \$20,000.00 | 2% | \$400.00 | \$0.00 | \$400.00 |
| Preliminary Engineering Design | \$11,500.00 | 8% | \$920.00 | \$460.00 | \$460.00 |
| Environmental Permitting | \$14,500.00 | 0% | \$0.00 | \$0.00 | \$0.00 |
| City of Oviedo Permitting | \$3,000.00 | 0% | \$0.00 | \$0.00 | \$0.00 |
| FPC Easement Utilization | \$3,500.00 | 0% | \$0.00 | \$0.00 | \$0.00 |
| Final Engineering Design | \$5,000.00 | 0% | \$0.00 | \$0.00 | \$0.00 |
| Bidding | \$4,500.00 | 0% | \$0.00 | \$0.00 | \$0.00 |
| Construction Administration | \$10,200.00 | 0% | \$0.00 | \$0.00 | \$0.00 |
| Total Fixed Fee | \$72,200.00 | | \$1,320.00 | \$460.00 | \$860.00 |

Payment Due Within 30 Days of Invoice Date

Professional Services Included

- Miscellaneous coordination with Client concerning proposed reuse main route including Client meeting held on 8/1/03.
- Researched Alafaya Woods CCRs for utility easements.

Handwritten initials and a circled number '2'.

WO # 067-0647-116-03-02-20812

Thank you for the opportunity to provide these services.

James C. Boyd, P.E.
President

Handwritten notes: "P.S. done in 4 days... 20" Reuse main from WWTF west side Lockwood"

January 1, 2003

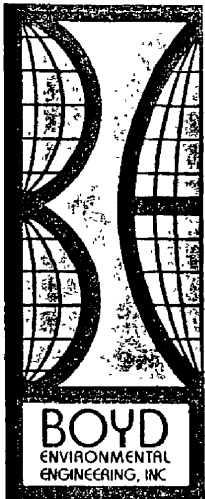
107964

RECEIVED

JAN 03 2003

UTILITIES, INC.

Alafaya Utilities, Inc.
200 Weathersfield Avenue
Altamonte Springs, FL 32714
Attn: Mr. Don Rasmussen
Vice President



Re: Invoice for Professional Services Rendered
for the Period Ending December 31, 2002

Project: Alafaya WWTF Reuse Main
Boyd Environmental Project No. 1012-D-03/2239
Invoice # 2239

| Task | Fee Amount | Percent Complete To Date | Amount Complete To Date | Less Previous Invoices | Amount Due |
|--------------------------------|--------------------|--------------------------|-------------------------|------------------------|-----------------|
| Survey | \$20,000.00 | 0% | \$0.00 | \$0.00 | \$0.00 |
| Preliminary Engineering Design | \$11,500.00 | 4% | \$460.00 | \$0.00 | \$460.00 |
| Environmental Permitting | \$14,500.00 | 0% | \$0.00 | \$0.00 | \$0.00 |
| City of Oviedo Permitting | \$3,000.00 | 0% | \$0.00 | \$0.00 | \$0.00 |
| FPC Easement Utilization | \$3,500.00 | 0% | \$0.00 | \$0.00 | \$0.00 |
| Final Engineering Design | \$5,000.00 | 0% | \$0.00 | \$0.00 | \$0.00 |
| Bidding | \$4,500.00 | 0% | \$0.00 | \$0.00 | \$0.00 |
| Construction Administration | \$10,200.00 | 0% | \$0.00 | \$0.00 | \$0.00 |
| Total Fixed Fee | \$72,200.00 | | \$460.00 | \$0.00 | \$460.00 |

Payment Due Within 30 Days of Invoice Date

Professional Services Included

- Miscellaneous coordination with Client concerning proposed reuse main route.

Handwritten note: This was not approved up for... but... number... completed... mailed...
 (2)

Thank you for the opportunity to provide these services.

Signature: JCB
 James C. Boyd, P.E.
 President

067-0647-3804005

Signature: [Signature] 1/21/03

2002-697

APPROVED

Capital Project Request

Florida FL C067 0647 892
 Region State Co# Sub# ID#

Priority Level: 1

Project Created: 11/24/02

Related to ID #:

Project Name: **Generator Transfer Switch Replacement**

Company: **Alafaya Utilities, Inc.**

Expenses to Start: **02/03/2003**

System: **Alafaya Utilities, Inc.**

Expenses to End: **10/01/2003**

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Category: Regulatory Requirement Expand Capacity Ongoing Maintenance
 Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety

Estimated Costs by Component WO#: 067-0647-116-03-03 PO#: _____ GL#: _____

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|-----------------------------------|-------------------|--|
| 20002 | Capitalized Time | \$765.00 | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) If replacing existing equipment, when (year) was the original asset placed in service? _____ |
| 20003 | IDC | \$88.00 | |
| 20704 | Labor, Matrials, and Installation | \$12,000.00 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Capital Plan Estimate: \$30,154.00 Estimate Totals: \$12,853.00

Capitalized Time Estimate: 40 Hours Total # of Customers: 5,938 # of Affected Customers: _____ Cost per Customer: \$2.16

Signature Authority & Approvals

Submitted by: Scotty Haws Title: Assistant Operations Manager Date: 01/02/03
 \$5,000 - \$10,000 Don Rasmussen Regional Director Date: 01/06/03
 \$10,001 - \$25,000 Susan J. Fortino Director of Operations Date: 01/10/03
 Over \$25,000 _____ Chief Executive Officer Date: _____

Attachment(s) - Ref. # 892 Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description _____
 List of System Projects _____

**APPROVED****Capital Project Request**

| | | | | |
|---------|-------|------|------|-----|
| Florida | FL | C067 | 0647 | 892 |
| Region | State | Co# | Sub# | ID# |

Priority Level: 1

Project Created: 11/24/02

Related to ID #:

Project Name: **Generator Transfer Switch Replacement**Company: **Alafaya Utilities, Inc.**Expenses to Start: **02/03/2003**System: **Alafaya Utilities, Inc.**Expenses to End: **10/01/2003**

Project Description See Notes Screen for add'l info **Estimate Total: \$12,853.00**

Electrical Contractor to remove existing 1200 Amp, 480 Volt Transfer Switch, install new 1200 Amp 480 Volt 3 pole Onan Power Command Transfer Switch, Start Up.

Justification & Benefits

Inspection of Generator Facilities by Generator Maintenance Contractor found that the existing transfer switch has excessive sparking when in use. The unit has reached the end of its service life with parts no longer becoming available for repairs.

Alternatives

1. KEEP EXISTING UNIT IN SERVICE. This would not be a good option due to parts no longer being available for repairs, and the unit becoming less reliable. 2. POSTPONE PROJECT. This would not be a viable option due to the excessive sparking which occurs when the unit is in use. Reliability has been greatly reduced.

Timing of Project

Equipment to be ordered upon approval, 3 to 4 week delivery.

System Information**● Facility Update**

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

● Anticipated Growth in Area

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

● Rate Case Information

| <u>System</u> | <u>Description</u> | <u>Work Order #</u> | <u>Start Date</u> | <u>Finish</u> | <u>Component</u> | <u>Estimated Costs</u> | <u>Total Spent</u> | <u>Estimated Costs To Complete</u> |
|-------------------------|---------------------------------------|---------------------|-------------------|---------------|------------------------------------|------------------------|---------------------|------------------------------------|
| Alafaya Utilities, Inc. | Generator transfer switch replacement | 067-0647-116-03-03 | 2/3/03 | 10/3/03 | Capitalized Time | \$ 765.00 | \$ - | \$ 765.00 |
| | | | | | Interest During Construction | \$ 88.00 | \$ - | \$ 88.00 |
| | | | | | Labor, materials, and Installation | \$ 12,000.00 | \$ 14,926.23 | \$ - |
| | | | | | Total | \$ 12,853.00 | \$ 14,926.23 | \$ 853.00 |

Invoices:

| | <u>Amount</u> | <u>Component</u> |
|------------------------------|---------------|------------------------------------|
| Thompson Electric Company \$ | 14,926.23 | Labor, materials, and Installation |

THOMPSON *Electric Company*

ELECTRICAL CONTRACTORS
P.O. BOX 1478

PHONE (407) 365-6666
WINTER PARK, FLORIDA 32790

WIRING AND REPAIRING
FAX (407) 365-9358

V08189

SEP 02 2003

DATE August 29, 2003

YOUR ORDER NO.

OUR ORDER number #03/112

TO
Utilities, Inc. of Florida
200 Weathersfield Ave.
Altamonte Springs, Fl. 32714

FOR
Partial payment for Electrical
work at Alafaya WWTP, Oviedo, Fl.
Furnish & Install 1200A. Transfer Sw.

| UNITS | ARTICLES | EACH | AMOUNT |
|-------|---|------|--------------|
| | Furnish and Install 1200 Amp 480V. 3 pole ONAN Transfer Sw. | | |
| | Amount | | \$ 30,154.00 |
| | Labor and materials in place this pay period: 55% | | \$ 16,584.70 |
| | Less 10% retained | | 1,658.47 |
| | Amount due this pay period | | \$ 14,926.23 |

GRY

8

2

wo # 067-0647-116-03-03-20704

EMERGENCY

APPROVED

Capital Project Request

Florida FL C067 0647 1529
 Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required

Project Created: 07/02/03

Related to ID #:

Project Name: **Surge Pump Replacement/Rehabilitation**

Company: Alafaya Utilities, Inc.

Expenses to Start: 07/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 08/01/2003

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Regulatory Requirement Expand Capacity Ongoing Maintenance
 Category: Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety

Estimated Costs by Component

WO#: 067-0647-116-03-05

PO#: _____ GL#: _____

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|-----------------------|-------------------|--|
| 20002 | Capitalized Time | \$1,020.00 | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) If replacing existing equipment, when (year) was the original asset placed in service? _____ |
| 20003 | IDC | \$54.00 | |
| 20112 | Equipment & Labor | \$6,868.90 | |
| 20112 | Contingency | \$600.00 | |
| | | | |
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Capital Plan Estimate: \$7,468.90 Estimate Totals: \$8,542.90

Capitalized Time Estimate: 40 Hours Total # of Customers: 6,006 # of Affected Customers: _____ Cost per Customer: \$1.42

Signature Authority & Approvals

Submitted by: Gary Musselwhite

Title: Area Manager

Date: 07/09/03

\$5,000 - \$10,000 Patrick Flynn

Regional Director

Date: 07/11/03

\$10,001 - \$25,000 _____

Director of Operations

Date: _____

Over \$25,000 _____

Chief Executive Officer

Date: _____

Attachment(s) - Ref. # 1529 Fax QuickMail / Email Interoffice Mail Hand Delivery

Project Description
 List of System Projects

EMERGENCY **APPROVED****Capital Project Request**

| | | | | |
|---------|-------|------|------|------|
| Florida | FL | C067 | 0647 | 1529 |
| Region | State | Co# | Sub# | ID# |

Priority Level: 1 - OSHA/Required

Project Created: 07/02/03

Related to ID #:

Project Name: **Surge Pump Replacement/Rehabilitation**

Company: Alafaya Utilities, Inc.

Expenses to Start: 07/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 08/01/2003

Project Description See Notes Screen for add'l info **Estimate Total: \$8,542.90**

Rehabilitate all three surge pumps.

Justification & Benefits

During heavy rains and high flows, the Alafaya WWTP Surge Tanks overflow onto the ground. These spills are raw sewage.

As a requirement for the pending operating permit renewal, we must eliminate the risk of surge tank overflow. All three pumps need new impellers, as well as other seal kits. These pumps need to be repaired in order to maximize the pumping capacity and prevent sewage overflow.

Alternatives

1. We could simply replace the surge equipment, but this would be unnecessary. The pumps' service life can be lengthened by completing the proposed repairs at a significantly lower cost.
2. Repair only 1 or 2 of the 3 pumps: This would not result in an adequate increase in pumping capacity to prevent spills, especially if any 1 of the 3 pumps was out of service thereafter.

Timing of Project

Urgent

System Information**• Facility Update**

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 411. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

• Anticipated Growth in Area

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx.

| <u>System</u> | <u>Description</u> | <u>Work Order #</u> | <u>Start Date</u> | <u>Finish</u> | <u>Component</u> | <u>Estimated Costs</u> | <u>Total Spent</u> | <u>Estimated Costs To Complete</u> |
|-------------------------|---------------------------------------|---------------------|-------------------|---------------|------------------------------|------------------------|--------------------|------------------------------------|
| Alafaya Utilities, Inc. | Surge pump replacement/rehabilitation | 067-0647-1111-03-05 | 7/1/03 | 7/30/03 | Capitalized Time | \$ 1,020.00 | \$ - | \$ 1,020.00 |
| | | | | | Interest During Construction | \$ 54.00 | \$ - | \$ 54.00 |
| | | | | | Equipment & labor | \$ 6,868.90 | \$ - | \$ 6,868.90 |
| | | | | | Contingency | \$ 600.00 | \$ - | \$ 600.00 |
| | | | | | Total | \$ 8,542.90 | \$ - | \$ 8,542.90 |

APPROVED

Capital Project Request

Florida FL C067 0647 1492
 Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required

Project Created: 06/04/03

Related to ID #:

Project Name: **Collection Manhole Inspection and Repair**

Company: **Alafaya Utilities, Inc.**

Expenses to Start: **07/01/2003**

System: **Alafaya Utilities, Inc.**

Expenses to End: **10/01/2003**

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Regulatory Requirement Expand Capacity Ongoing Maintenance
 Category: Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety

Estimated Costs by Component

WO#: 067-0647-116-03-06

PO#:

GL#:

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|-----------------------|-------------------|--|
| 20002 | Capitalized Time | \$1,020.00 | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) If replacing existing equipment, when (year) was the original asset placed in service? _____ |
| 20003 | IDC | \$511.00 | |
| 20812 | Labor & Materials | \$35,120.00 | |
| | | | |
| | | | |
| | | | |

Capital Plan Estimate: \$35,120.00 Estimate Totals: \$36,651.00

Capitalized Time Estimate: 40 Hours Total # of Customers: 6,006 # of Affected Customers: _____ Cost per Customer: \$6.10

Signature Authority & Approvals

Submitted by: Gary Musselwhite Title: Area Manager Date: 07/18/03
 \$5,000 - \$10,000 Patrick Flynn Regional Director Date: 07/23/03
 \$10,001 - \$25,000 Lisa Crossett Director of Operations Date: 07/29/03
 Over \$25,000 James L. Camaren Chief Executive Officer Date: 07/30/03

Attachment(s) - Ref. # 1492

Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description Estimate(s) Required
 List of System Projects _____

**APPROVED****Capital Project Request**

| | | | | |
|---------|-------|------|------|------|
| Florida | FL | C067 | 0647 | 1492 |
| Region | State | Co# | Sub# | ID # |

Priority Level: 1 - OSHA/Required

Project Created: 06/04/03

Related to ID #:

Project Name: **Collection Manhole Inspection and Repair**Company: **Alafaya Utilities, Inc.**Expenses to Start: **07/01/2003**System: **Alafaya Utilities, Inc.**Expenses to End: **10/01/2003**

Project Description See Notes Screen for add'l info Estimate Total: \$36,651.00

Complete inspection and necessary repair of 878 manholes in the older sections of the Alafaya sewer collection system.

Justification & Benefits

As a requirement for the renewal of the Alafaya WWTP operating permit, we will have a complete inspection performed on all manholes in the collection system west of the Econolockahatchee River, less the Little Creek subdivision. In addition, this work order will provide for the repair of approximately 35 of the manholes by way of sealing and grouting to prevent infiltration and inflow.

Alternatives

This necessary 1st step is the minimum as required by the FDEP. This process will eventually include smoke testing of approx. 257,408 feet of collection system at a cost of \$65K. These two inspections will result in a report outlining the system's I&I deficiencies. The FDEP will then expect us to make the necessary repairs according to a predetermined schedule.

Timing of Project

We are required to submit a schedule for testing and rehabilitation of the collection/transmission system by 7/30/2003.

System Information**● Facility Update**

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

● Anticipated Growth in Area

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx.

| <u>System</u> | <u>Description</u> | <u>Work Order #</u> | <u>Start Date</u> | <u>Finish</u> | <u>Component</u> | <u>Estimated Costs</u> | <u>Total Spent</u> | <u>Estimated Costs To Complete</u> |
|-------------------------|--|---------------------|-------------------|---------------|------------------------------|------------------------|--------------------|------------------------------------|
| Alafaya Utilities, Inc. | Collection manhole inspection and repair | 067-0647-116-03-06 | 7/1/03 | open | Capitalized Time | \$ 1,020.00 | \$ - | \$ 1,020.00 |
| | | | | | Interest During Construction | \$ 511.00 | \$ - | \$ 511.00 |
| | | | | | Labor & materials | \$ 35,120.00 | \$ 8,200.00 | \$ 26,920.00 |
| | | | | | Total | \$ 36,651.00 | \$ 8,200.00 | \$ 28,451.00 |

| <u>Invoices:</u> | <u>Amount</u> | <u>Component</u> |
|------------------|---------------|-------------------|
| Reyntech | \$ 8,200.00 | Labor & materials |

Resurfacing Specialis
 THER AVENUE
 WOOD, FL 32750
 NOLE

oice: 407-260-5146
 ax: 407-260-9623
 E-mail:

W6.# -


V15292

SEP 02 2003

Invoice Number:
 # 121325
 Invoice Date:
 9/2/2003
 Page Number:
 1

Bill To:
 UTILITIES INC

Ship To:
 UTILITIES INC

| Customer ID | | Customer PO | | Payment Terms | |
|---|----------|-------------------------------------|------------|----------------|----------|
| Utilities Inc | | 647 | | Due on Receipt | |
| Sales Rep | | Shipping Method | | Ship Date | Due Date |
| | | Best Way | | 9/2/2003 | 9/2/2003 |
| Quantity | Item | Description | Unit Price | Extension | |
| 410.00 | MANHOLES | INFILTRATION & INFLOW MANHOLE STUDY | 20.00 | 8,200.00 | |
| <p>WO# 067-0647-116-03-06-20812</p> <p>OK </p> <p style="text-align: right;">2</p> | | | | | |

Customer Balance: 8,200.00

| | |
|--------------|-------------------|
| Subtotal | 8,200.00 |
| Freight | 0.00 |
| Sales Tax | 0.00 |
| Amount Paid | 0.00 |
| Total | \$8,200.00 |

Capital Project Request

Florida FL C067 0647 1164
 Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required

Project Created: 03/01/03

Related to ID #: 2002-1165

Project Name: **Design and Permitting of Facility Headworks**

Company: **Alafaya Utilities, Inc.**

Expenses to Start: **04/15/2003**

System: **Alafaya Utilities, Inc.**

Expenses to End: **09/01/2003**

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Regulatory Requirement Expand Capacity Ongoing Maintenance
 Category: Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety

Estimated Costs by Component

WO#: _____

PO#: _____

GL#: _____

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|-----------------------|-------------------|--|
| | | | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) |
| | | | If replacing existing equipment, when (year) was the original asset placed in service? _____ |
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Capital Plan Estimate: \$40,500.00 Estimate Totals: _____

Capitalized Time Estimate: _____ Hours Total # of Customers: _____ # of Affected Customers: _____ Cost per Customer: _____

Signature Authority & Approvals

Submitted by: _____ Title: _____ Date: _____

\$5,000 - \$10,000 _____ Regional Director Date: _____

\$10,001 - \$25,000 _____ Director of Operations Date: _____

Over \$25,000 _____ Chief Executive Officer Date: _____

Attachment(s) - Ref. # 1164 Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description _____
 List of System Projects _____

Capital Project Request

Florida FL C067 0647 1164
Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required

Project Created: 03/01/03

Related to ID #: 2002-1165

Project Name: **Design and Permitting of Facility Headworks**

Company: **Alafaya Utilities, Inc.**

Expenses to Start: **04/15/2003**

System: **Alafaya Utilities, Inc.**

Expenses to End: **09/01/2003**

Project Description See Notes Screen for add'l info **Estimate Total:**

Project will consist of the Design and FDEP permitting of the solution outlined through WO #067-0647-116-03-01

Justification & Benefits

Based upon recommendation with the above listed work order.

Alternatives

Timing of Project

System Information

● **Facility Update**

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

● **Anticipated Growth in Area**

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

● **Rate Case Information**

Last Order Date: 10/94

Order Number: 23100

Type: S

Docket: 900456-SU

Test Year: Acquisition

Capital Project Request

Florida FL C067 0647 1164
 Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required

Project Created: 03/01/03

Related to ID #: 2002-1165

Project Name: Design and Permitting of Facility Headworks

Company: Alafaya Utilities, Inc.

Expenses to Start: 04/15/2003

System: Alafaya Utilities, Inc.

Expenses to End: 09/01/2003

• List of Other Projects for System - by Project Status

| Sub | Status | Proj ID | Project Name | Date | Estimate | Spent |
|------|-------------------|---------|--|----------|-----------|-----------|
| 0647 | Capital Planning | 1164 | Design and Permitting of Facility Headworks | 04/15/03 | \$40,500 | |
| 0647 | Capital Planning | 198 | Perc Pond Site - Golf Course Disposal | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1166 | Design/Permitting of Additional Reclaimed | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1169 | MI Study Construction Remedies | 06/01/03 | \$500,000 | |
| 0647 | Capital Planning | 1170 | Design and Permitting of Little Creek RWM | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1172 | Design/Permitting of Additional Effluent | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1175 | Expansion of Existing RW Filter Capacity | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1176 | Installation of Air Scrubber on Master Lift | 06/01/03 | \$70,000 | |
| 0647 | Capital Planning | 1177 | RW Storage Tank Catwalk Installation | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1174 | Hydrogeologic Investigation of Perc Pond | 08/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1527 | Waverly & Ekana Reclaimed Connections | 08/01/03 | | |
| 0647 | Capital Planning | 1165 | Construction of Facility Headworks | 09/30/03 | \$500,000 | |
| 0647 | Capital Planning | 203 | 2 Additional H.S. Pumps for Reuse | 10/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1594 | Addition of Permanent Reuse Instrument | 10/01/03 | | |
| 0647 | Capital Planning | 1171 | Construction of Little Creek RWM | 11/30/03 | \$500,000 | |
| 0647 | Capital Planning | 1173 | Construction of Additional Effluent Disposal | 11/30/03 | \$300,000 | |
| 0647 | Capital Planning | 1167 | Construction of Reclaimed Water Storage | 12/01/03 | \$750,000 | |
| 0647 | Capital Planning | 204 | Sludge facilities, dewatering, and other | 01/01/04 | \$75,000 | |
| 0647 | Capital Planning | 1621 | Replacement Digester for Alafaya WWTF | 01/01/04 | \$600,000 | |
| 0647 | Capital Planning | 201 | Sand filter rehab & chlorine contact | 02/01/04 | \$22,000 | |
| 0647 | Capital Planning | 205 | Construct sludge dewatering facilities | 06/01/04 | \$200,000 | |
| 0647 | Capital Planning | 206 | Permanent office, controls and equipment | 01/01/05 | \$100,000 | |
| 0647 | Approved-Reg. Dir | 1263 | Alafaya WWTP Safety Upgrades | 05/01/03 | \$20,393 | |
| 0647 | Approved-Reg. Dir | 202 | Rehabilitation of the West Plant | 12/01/03 | \$194,899 | |
| 0647 | Open | 420 | Design and construction of reuse system | 04/01/97 | \$970,000 | \$777,686 |
| 0647 | Open | 415 | CR 419 Reuse Main | 02/01/02 | \$568,165 | \$465,650 |
| 0647 | Open | 419 | FDEP permit application to renew permit | 05/15/02 | \$43,500 | \$24,443 |
| 0647 | Open | 697 | 20" Reuse Main from WWTF to west side of | 08/01/02 | \$560,000 | \$3,160 |
| 0647 | Open | 1492 | Collection Manhole Inspection and Repair | 07/01/03 | \$35,120 | \$8,200 |
| 0647 | Open | 1168 | Collection System Smoke Testing and | 12/01/03 | \$75,352 | |



Capital Project Request

Florida FL C067 0647 198
 Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required

Project Created:

Related to ID #:

Project Name: Perc Pond Site - Golf Course Disposal

Company: Alafaya Utilities, Inc.

Expenses to Start: 06/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 12/01/2003

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Category: Regulatory Requirement Expand Capacity Ongoing Maintenance
 Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety

Estimated Costs by Component

WO#: _____

PO#: _____

GL#: _____

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|-----------------------|-------------------|--|
| | | | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) |
| | | | If replacing existing equipment, when (year) was the original asset placed in service? _____ |
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Capital Plan Estimate: \$50,000.00 Estimate Totals: _____

Capitalized Time Estimate: _____ Hours Total # of Customers: _____ # of Affected Customers: _____ Cost per Customer: _____

Signature Authority & Approvals

| | | |
|---------------------------|-------------------------|-------------|
| Submitted by: _____ | Title: _____ | Date: _____ |
| \$5,000 - \$10,000 _____ | Regional Director | Date: _____ |
| \$10,001 - \$25,000 _____ | Director of Operations | Date: _____ |
| Over \$25,000 _____ | Chief Executive Officer | Date: _____ |

Attachment(s) - Ref. # 198

Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description _____
 List of System Projects _____

Capital Project Request

Florida FL C067 0647 198
 Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required

Project Created:

Related to ID #:

Project Name: Perc Pond Site - Golf Course Disposal

Company: Alafaya Utilities, Inc.

Expenses to Start: 06/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 12/01/2003

Project Description See Notes Screen for addt'l info Estimate Total:

Perc.Pond Site/Golf Course Disposal

Justification & Benefits

Anticipated costs to achieve permit issuance

Alternatives

Timing of Project

System Information

● **Facility Update**

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

● **Anticipated Growth in Area**

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

● **Rate Case Information**

Last Order Date: 10/94

Order Number: 23100

Type: S

Docket: 900456-SU

Test Year: Acquisition



Capital Project Request

Florida FL C067 0647 198
Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required

Project Created:

Related to ID #:

Project Name: Perc Pond Site - Golf Course Disposal

Company: Alafaya Utilities, Inc.

Expenses to Start: 06/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 12/01/2003

• List of Other Projects for System - by Project Status

| Sub | Status | Proj ID | Project Name | Date | Estimate | Spent |
|------|-------------------|---------|--|----------|-----------|-----------|
| 0647 | Capital Planning | 1164 | Design and Permitting of Facility Headworks | 04/15/03 | \$40,500 | |
| 0647 | Capital Planning | 198 | Perc Pond Site - Golf Course Disposal | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1166 | Design/Permitting of Additional Reclaimed | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1169 | I/I Study Construction Remedies | 06/01/03 | \$500,000 | |
| 0647 | Capital Planning | 1170 | Design and Permitting of Little Creek RWM | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1172 | Design/Permitting of Additional Effluent | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1175 | Expansion of Existing RW Filter Capacity | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1176 | Installation of Air Scrubber on Master Lift | 06/01/03 | \$70,000 | |
| 0647 | Capital Planning | 1177 | RW Storage Tank Catwalk Installation | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1174 | Hydrogeologic Investigation of Perc Pond | 08/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1527 | Waverly & Ekana Reclaimed Connections | 08/01/03 | | |
| 0647 | Capital Planning | 1165 | Construction of Facility Headworks | 09/30/03 | \$500,000 | |
| 0647 | Capital Planning | 203 | 2 Additional H.S. Pumps for Reuse | 10/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1594 | Addition of Permanent Reuse Instrument | 10/01/03 | | |
| 0647 | Capital Planning | 1171 | Construction of Little Creek RWM | 11/30/03 | \$500,000 | |
| 0647 | Capital Planning | 1173 | Construction of Additional Effluent Disposal | 11/30/03 | \$300,000 | |
| 0647 | Capital Planning | 1167 | Construction of Reclaimed Water Storage | 12/01/03 | \$750,000 | |
| 0647 | Capital Planning | 204 | Sludge facilities, dewatering, and other | 01/01/04 | \$75,000 | |
| 0647 | Capital Planning | 1621 | Replacement Digester for Alafaya WWTF | 01/01/04 | \$600,000 | |
| 0647 | Capital Planning | 201 | Sand filter rehab & chlorine contact | 02/01/04 | \$22,000 | |
| 0647 | Capital Planning | 205 | Construct sludge dewatering facilities | 06/01/04 | \$200,000 | |
| 0647 | Capital Planning | 206 | Permanent office, controls and equipment | 01/01/05 | \$100,000 | |
| 0647 | Approved-Reg. Dir | 1263 | Alafaya WWTP Safety Upgrades | 05/01/03 | \$20,393 | |
| 0647 | Approved-Reg. Dir | 202 | Rehabilitation of the West Plant | 12/01/03 | \$194,899 | |
| 0647 | Open | 420 | Design and construction of reuse system | 04/01/97 | \$970,000 | \$777,686 |
| 0647 | Open | 415 | CR 419 Reuse Main | 02/01/02 | \$563,465 | \$465,650 |
| 0647 | Open | 419 | FDEP permit application to renew permit | 05/15/02 | \$43,500 | \$24,443 |
| 0647 | Open | 697 | 20" Reuse Main from WWTF to west side of | 08/01/02 | \$560,000 | \$3,160 |
| 0647 | Open | 1492 | Collection Manhole Inspection and Repair | 07/01/03 | \$35,120 | \$8,200 |
| 0647 | Open | 1188 | Collection System Smoke Testing and | 12/01/03 | \$75,352 | |

Capital Project Request

Florida FL C067 0647 1169
 Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required Project Created: 03/01/03 Related to ID #: 2002-1168

Project Name: **I/I Study Construction Remedies**

Company: Alafaya Utilities, Inc. Expenses to Start: 06/01/2003
 System: Alafaya Utilities, Inc. Expenses to End: 06/01/2004

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Regulatory Requirement Expand Capacity Ongoing Maintenance
 Category: Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety

Estimated Costs by Component WO#: _____ PO#: _____ GL#: _____

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|-----------------------|-------------------|--|
| | | | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) If replacing existing equipment, when (year) was the original asset placed in service? _____ |
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Capital Plan Estimate: \$500,000.00 Estimate Totals: _____

Capitalized Time Estimate: _____ Hours Total # of Customers: _____ # of Affected Customers: _____ Cost per Customer: _____

Signature Authority & Approvals

Submitted by: _____ Title: _____ Date: _____
 \$5,000 - \$10,000 _____ Regional Director Date: _____
 \$10,001 - \$25,000 _____ Director of Operations Date: _____
 Over \$25,000 _____ Chief Executive Officer Date: _____

 Attachment(s) - Ref. # 1169 Fax QuickMail/Email
 Interoffice Mail Hand Delivery

Project Description
 List of System Projects _____



Capital Project Request

Florida FL C067 0647 1169
 Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required

Project Created: 03/01/03

Related to ID #: 2002-1168

Project Name: I/I Study Construction Remedies

Company: Alafaya Utilities, Inc.

Expenses to Start: 06/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 06/01/2004

Project Description See Notes Screen for addt'l info **Estimate Total:**

Construction of remedies outlines through the Collection system I/I investigation and evaluation

Justification & Benefits

Alternatives

Timing of Project

System Information

● **Facility Update**

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

● **Anticipated Growth in Area**

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

● **Rate Case Information**

Last Order Date: 10/94

Order Number: 23100

Type: S

Docket: 900456-SU

Test Year: Acquisition

● **List of Other Projects for System - by Project Status**

Capital Project Request

Florida FL C067 0647 1169
 Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required

Project Created: 03/01/03

Related to ID #: 2002-1168

Project Name: **I/I Study Construction Remedies**

Company: Alafaya Utilities, Inc.

Expenses to Start: 06/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 06/01/2004

| Sub | Status | Proj ID | Project Name | Date | Estimate | Spent |
|------|-------------------|---------|--|----------|-----------|-----------|
| 0647 | Capital Planning | 1164 | Design and Permitting of Facility Headworks | 04/15/03 | \$40,500 | |
| 0647 | Capital Planning | 198 | Perc Pond Site - Golf Course Disposal | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1166 | Design/Permitting of Additional Reclaimed | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1169 | I/I Study Construction Remedies | 06/01/03 | \$500,000 | |
| 0647 | Capital Planning | 1170 | Design and Permitting of Little Creek RWM | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1172 | Design/Permitting of Additional Effluent | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1175 | Expansion of Existing RW Filter Capacity | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1176 | Installation of Air Scrubber on Master Lift | 06/01/03 | \$70,000 | |
| 0647 | Capital Planning | 1177 | RW Storage Tank Catwalk Installation | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1174 | Hydrogeologic Investigation of Perc Pond | 08/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1527 | Waverly & Ekana Reclaimed Connections | 08/01/03 | | |
| 0647 | Capital Planning | 1165 | Construction of Facility Headworks | 09/30/03 | \$500,000 | |
| 0647 | Capital Planning | 203 | 2 Additional H.S. Pumps for Reuse | 10/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1594 | Addition of Permanent Reuse Instrument | 10/01/03 | | |
| 0647 | Capital Planning | 1171 | Construction of Little Creek RWM | 11/30/03 | \$500,000 | |
| 0647 | Capital Planning | 1173 | Construction of Additional Effluent Disposal | 11/30/03 | \$300,000 | |
| 0647 | Capital Planning | 1167 | Construction of Reclaimed Water Storage | 12/01/03 | \$750,000 | |
| 0647 | Capital Planning | 204 | Sludge facilities, dewatering, and other | 01/01/04 | \$75,000 | |
| 0647 | Capital Planning | 1621 | Replacement Digester for Alafaya WWTF | 01/01/04 | \$600,000 | |
| 0647 | Capital Planning | 201 | Sand filter rehab & chlorine contact | 02/01/04 | \$22,000 | |
| 0647 | Capital Planning | 205 | Construct sludge dewatering facilities | 06/01/04 | \$200,000 | |
| 0647 | Capital Planning | 206 | Permanent office, controls and equipment | 01/01/05 | \$100,000 | |
| 0647 | Approved-Reg. Dir | 1263 | Alafaya WWTP Safety Upgrades | 05/01/03 | \$20,393 | |
| 0647 | Approved-Reg. Dir | 202 | Rehabilitation of the West Plant | 12/01/03 | \$194,899 | |
| 0647 | Open | 420 | Design and construction of reuse system | 04/01/97 | \$970,000 | \$777,686 |
| 0647 | Open | 415 | CR 419 Reuse Main | 02/01/02 | \$563,465 | \$465,650 |
| 0647 | Open | 419 | FDEP permit application to renew permit | 05/15/02 | \$43,500 | \$24,443 |
| 0647 | Open | 697 | 20" Reuse Main from WWTF to west side of | 08/01/02 | \$560,000 | \$3,160 |
| 0647 | Open | 1492 | Collection Manhole Inspection and Repair | 07/01/03 | \$35,120 | \$8,200 |
| 0647 | Open | 1168 | Collection System Smoke Testing and | 12/01/03 | \$75,352 | |

Capital Project Request

Florida FL C067 0647 1172
 Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required

Project Created: 03/01/03

Related to ID #:

Project Name: Design/Permitting of Additional Effluent Disposal

Company: Alafaya Utilities, Inc.

Expenses to Start: 06/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 12/01/2003

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Regulatory Requirement Expand Capacity Ongoing Maintenance
 Category: Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety

Estimated Costs by Component WO#: _____ PO#: _____ GL#: _____

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|-----------------------|-------------------|--|
| | | | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) |
| | | | If replacing existing equipment, when (year) was the original asset placed in service? _____ |
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Capital Plan Estimate: \$100,000.00 Estimate Totals: _____

Capitalized Time Estimate: _____ Hours Total # of Customers: _____ # of Affected Customers: _____ Cost per Customer: _____

Signature Authority & Approvals

Submitted by: _____ Title: _____ Date: _____

\$5,000 - \$10,000 _____ Regional Director Date: _____

\$10,001 - \$25,000 _____ Director of Operations Date: _____

Over \$25,000 _____ Chief Executive Officer Date: _____

 Attachment(s) - Ref. # 1172 Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description _____
 List of System Projects _____



Capital Project Request

Florida FL C067 0647 1172
 Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required

Project Created: 03/01/03

Related to ID #:

Project Name: **Design/Permitting of Additional Effluent Disposal**

Company: **Alafaya Utilities, Inc.**

Expenses to Start: **06/01/2003**

System: **Alafaya Utilities, Inc.**

Expenses to End: **12/01/2003**

Project Description

See Notes Screen for add'l Info Estimate Total:

Design and Permitting of Additional Effluent Disposal Capacity which will most likely be required by the FDEP through the permit renewal process. This may include the additional disposal capacity discussed with the Live Oak S/D

Justification & Benefits

Alternatives

Timing of Project

System Information

• Facility Update

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

• Anticipated Growth in Area

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

• Rate Case Information

Last Order Date: 10/94

Order Number: 23100

Type: S

Docket: 900456-SU

Test Year: Acquisition

Capital Project Request

Florida FL C067 0647 1172
 Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required

Project Created: 03/01/03

Related to ID #:

Project Name: **Design/Permitting of Additional Effluent Disposal**

Company: **Alafaya Utilities, Inc.**

Expenses to Start: **06/01/2003**

System: **Alafaya Utilities, Inc.**

Expenses to End: **12/01/2003**

• List of Other Projects for System - by Project Status

| Sub | Status | Proj ID | Project Name | Date | Estimate | Spent |
|------|-------------------|---------|--|----------|-----------|-----------|
| 0647 | Capital Planning | 1164 | Design and Permitting of Facility Headworks | 04/15/03 | \$40,500 | |
| 0647 | Capital Planning | 198 | Perc Pond Site - Golf Course Disposal | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1166 | Design/Permitting of Additional Reclaimed | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1169 | I/I Study Construction Remedies | 06/01/03 | \$500,000 | |
| 0647 | Capital Planning | 1170 | Design and Permitting of Little Creek RWM | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1172 | Design/Permitting of Additional Effluent | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1175 | Expansion of Existing RW Filter Capacity | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1176 | Installation of Air Scrubber on Master Lift | 06/01/03 | \$70,000 | |
| 0647 | Capital Planning | 1177 | RW Storage Tank Catwalk Installation | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1174 | Hydrogeologic Investigation of Perc Pond | 08/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1527 | Waverly & Ekana Reclaimed Connections | 08/01/03 | | |
| 0647 | Capital Planning | 1165 | Construction of Facility Headworks | 09/30/03 | \$500,000 | |
| 0647 | Capital Planning | 203 | 2 Additional H.S. Pumps for Reuse | 10/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1594 | Addition of Permanent Reuse Instrument | 10/01/03 | | |
| 0647 | Capital Planning | 1171 | Construction of Little Creek RWM | 11/30/03 | \$500,000 | |
| 0647 | Capital Planning | 1173 | Construction of Additional Effluent Disposal | 11/30/03 | \$300,000 | |
| 0647 | Capital Planning | 1167 | Construction of Reclaimed Water Storage | 12/01/03 | \$750,000 | |
| 0647 | Capital Planning | 204 | Sludge facilities, dewatering, and other | 01/01/04 | \$75,000 | |
| 0647 | Capital Planning | 1621 | Replacement Digester for Alafaya WWTF | 01/01/04 | \$600,000 | |
| 0647 | Capital Planning | 201 | Sand filter rehab & chlorine contact | 02/01/04 | \$22,000 | |
| 0647 | Capital Planning | 205 | Construct sludge dewatering facilities | 06/01/04 | \$200,000 | |
| 0647 | Capital Planning | 206 | Permanent office, controls and equipment | 01/01/05 | \$100,000 | |
| 0647 | Approved-Reg. Dir | 1263 | Alafaya WWTP Safety Upgrades | 05/01/03 | \$20,393 | |
| 0647 | Approved-Reg. Dir | 202 | Rehabilitation of the West Plant | 12/01/03 | \$194,899 | |
| 0647 | Open | 420 | Design and construction of reuse system | 04/01/97 | \$970,000 | \$777,686 |
| 0647 | Open | 415 | CR 419 Reuse Main | 02/01/02 | \$563,465 | \$465,650 |
| 0647 | Open | 419 | FDEP permit application to renew permit | 05/15/02 | \$43,500 | \$24,443 |
| 0647 | Open | 697 | 20" Reuse Main from WWTF to west side of | 08/01/02 | \$560,000 | \$3,160 |
| 0647 | Open | 1492 | Collection Manhole Inspection and Repair | 07/01/03 | \$35,120 | \$8,200 |
| 0647 | Open | 1168 | Collection System Smoke Testing and | 12/01/03 | \$75,352 | |

Capital Project Request

Florida FL C067 0647 1165
 Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required

Project Created: 03/01/03

Related to ID #: 2002-1164

Project Name: Construction of Facility Headworks

Company: Alafaya Utilities, Inc.

Expenses to Start: 09/30/2003

System: Alafaya Utilities, Inc.

Expenses to End: 03/30/2004

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Regulatory Requirement Expand Capacity Ongoing Maintenance
 Category: Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety

Estimated Costs by Component

WO#:

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New Asset(s)
 Upgrading Asset(s)
 Repairing Asset(s)
 Replacing Asset(s)

If replacing existing equipment, when (year) was the original asset placed in service? _____

Signature Authority & Approvals

Submitted by: _____ Title: _____ Date: _____
 \$5,000 - \$10,000 _____ Regional Director Date: _____
 \$10,001 - \$25,000 _____ Director of Operations Date: _____
 Over \$25,000 _____ Chief Executive Officer Date: _____

Attachment(s) - Ref. # 1165

Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description _____
 List of System Projects _____



Capital Project Request

Florida FL C067 0647 1165
 Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required

Project Created: 03/01/03

Related to ID #: 2002-1164

Project Name: **Construction of Facility Headworks**

Company: Alafaya Utilities, Inc.

Expenses to Start: 09/30/2003

System: Alafaya Utilities, Inc.

Expenses to End: 03/30/2004

Project Description See Notes Screen for add'l info **Estimate Total:**

Construction of solution identified in WO #067-0647-116-03-01

Justification & Benefits

Alternatives

Timing of Project

System Information

• Facility Update

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

• Anticipated Growth in Area

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

• Rate Case Information

Last Order Date: 10/94

Order Number: 23100

Type: S

Docket: 900456-SU

Test Year: Acquisition

• List of Other Projects for System - by Project Status

Capital Project Request

Florida FL C067 0647 1165
 Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required Project Created: 03/01/03 Related to ID #: 2002-1164

Project Name: Construction of Facility Headworks

Company: Alafaya Utilities, Inc.
 System: Alafaya Utilities, Inc.

Expenses to Start: 09/30/2003
 Expenses to End: 03/30/2004

| Sub | Status | Proj ID | Project Name | Date | Estimate | Spent |
|------|-------------------|---------|--|----------|-----------|-----------|
| 0647 | Capital Planning | 1164 | Design and Permitting of Facility Headworks | 04/15/03 | \$40,500 | |
| 0647 | Capital Planning | 198 | Perc Pond Site - Golf Course Disposal | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1166 | Design/Permitting of Additional Reclaimed | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1169 | I/I Study Construction Remedies | 06/01/03 | \$500,000 | |
| 0647 | Capital Planning | 1170 | Design and Permitting of Little Creek RWM | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1172 | Design/Permitting of Additional Effluent | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1175 | Expansion of Existing RW Filter Capacity | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1176 | Installation of Air Scrubber on Master Lift | 06/01/03 | \$70,000 | |
| 0647 | Capital Planning | 1177 | RW Storage Tank Catwalk Installation | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1174 | Hydrogeologic Investigation of Perc Pond | 08/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1527 | Waverly & Ekana Reclaimed Connections | 08/01/03 | | |
| 0647 | Capital Planning | 1165 | Construction of Facility Headworks | 09/30/03 | \$500,000 | |
| 0647 | Capital Planning | 203 | 2 Additional H.S. Pumps for Reuse | 10/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1594 | Addition of Permanent Reuse Instrument | 10/01/03 | | |
| 0647 | Capital Planning | 1171 | Construction of Little Creek RWM | 11/30/03 | \$500,000 | |
| 0647 | Capital Planning | 1173 | Construction of Additional Effluent Disposal | 11/30/03 | \$300,000 | |
| 0647 | Capital Planning | 1167 | Construction of Reclaimed Water Storage | 12/01/03 | \$750,000 | |
| 0647 | Capital Planning | 204 | Sludge facilities, dewatering, and other | 01/01/04 | \$75,000 | |
| 0647 | Capital Planning | 1621 | Replacement Digester for Alafaya WWTF | 01/01/04 | \$600,000 | |
| 0647 | Capital Planning | 201 | Sand filter rehab & chlorine contact | 02/01/04 | \$22,000 | |
| 0647 | Capital Planning | 205 | Construct sludge dewatering facilities | 06/01/04 | \$200,000 | |
| 0647 | Capital Planning | 206 | Permanent office, controls and equipment | 01/01/05 | \$100,000 | |
| 0647 | Approved-Reg. Dir | 1263 | Alafaya WWTF Safety Upgrades | 05/01/03 | \$20,393 | |
| 0647 | Approved-Reg. Dir | 202 | Rehabilitation of the West Plant | 12/01/03 | \$194,699 | |
| 0647 | Open | 420 | Design and construction of reuse system | 04/01/97 | \$970,000 | \$777,686 |
| 0647 | Open | 415 | CR 419 Reuse Main | 02/01/02 | \$563,465 | \$465,650 |
| 0647 | Open | 419 | FDEP permit application to renew permit | 05/15/02 | \$43,500 | \$24,443 |
| 0647 | Open | 697 | 20" Reuse Main from WWTF to west side of | 08/01/02 | \$560,000 | \$3,160 |
| 0647 | Open | 1492 | Collection Manhole Inspection and Repair | 07/01/03 | \$35,120 | \$8,200 |
| 0647 | Open | 1168 | Collection System Smoke Testing and | 12/01/03 | \$75,352 | |



Capital Project Request

Florida FL C067 0647 1166
 Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created: 03/01/03

Related to ID #:

Project Name: Design/Permitting of Additional Reclaimed Storage

Company: Alafaya Utilities, Inc.

Expenses to Start: 06/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 06/01/2004

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Regulatory Requirement Expand Capacity Ongoing Maintenance
 Category: Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety

Estimated Costs by Component

WO#: _____

PO#: _____

GL#: _____

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|-----------------------|-------------------|--|
| | | | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) |
| | | | If replacing existing equipment, when (year) was the original asset placed in service? _____ |
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Capital Plan Estimate: \$75,000.00 Estimate Totals: _____

Capitalized Time Estimate: _____ Hours Total # of Customers: _____ # of Affected Customers: _____ Cost per Customer: _____

Signature Authority & Approvals

Submitted by: _____ Title: _____ Date: _____

\$5,000 - \$10,000 _____ Regional Director Date: _____

\$10,001 - \$25,000 _____ Director of Operations Date: _____

Over \$25,000 _____ Chief Executive Officer Date: _____

Attachment(s) - Ref. # 1166 Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description _____
 List of System Projects _____

Capital Project Request

Florida FL C067 0647 1166
 Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created: 03/01/03

Related to ID#:

Project Name: **Design/Permitting of Additional Reclaimed Storage**

Company: Alafaya Utilities, Inc.

Expenses to Start: 06/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 06/01/2004

Project Description See Notes Screen for addt'l info **Estimate Total:**

Once Live Oak and Sanctuary Developments are on-line, it has been estimated that additional reclaimed water storage may be required.

Justification & Benefits

Alternatives

Timing of Project

System Information

● **Facility Update**

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

● **Anticipated Growth in Area**

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

● **Rate Case Information**

Last Order Date: 10/94

Order Number: 23100

Type: S

Docket: 900456-SU

Test Year: Acquisition



Capital Project Request

Florida FL C067 0647 1166
 Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created: 03/01/03

Related to ID #:

Project Name: Design/Permitting of Additional Reclaimed Storage

Company: Alafaya Utilities, Inc.

Expenses to Start: 06/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 06/01/2004

• List of Other Projects for System - by Project Status

| Sub | Status | Proj ID | Project Name | Date | Estimate | Spent |
|------|-------------------|---------|--|----------|-----------|-----------|
| 0647 | Capital Planning | 1164 | Design and Permitting of Facility Headworks | 04/15/03 | \$40,500 | |
| 0647 | Capital Planning | 198 | Perc Pond Site - Golf Course Disposal | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1166 | Design/Permitting of Additional Reclaimed | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1169 | I/I Study Construction Remedies | 06/01/03 | \$500,000 | |
| 0647 | Capital Planning | 1170 | Design and Permitting of Little Creek RWM | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1172 | Design/Permitting of Additional Effluent | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1175 | Expansion of Existing RW Filter Capacity | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1176 | Installation of Air Scrubber on Master Lift | 06/01/03 | \$70,000 | |
| 0647 | Capital Planning | 1177 | RW Storage Tank Catwalk Installation | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1174 | Hydrogeologic Investigation of Perc Pond | 08/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1527 | Waverly & Ekana Reclaimed Connections | 08/01/03 | | |
| 0647 | Capital Planning | 1165 | Construction of Facility Headworks | 09/30/03 | \$500,000 | |
| 0647 | Capital Planning | 203 | 2 Additional H.S. Pumps for Reuse | 10/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1594 | Addition of Permanent Reuse Instrument | 10/01/03 | | |
| 0647 | Capital Planning | 1171 | Construction of Little Creek RWM | 11/30/03 | \$500,000 | |
| 0647 | Capital Planning | 1173 | Construction of Additional Effluent Disposal | 11/30/03 | \$300,000 | |
| 0647 | Capital Planning | 1167 | Construction of Reclaimed Water Storage | 12/01/03 | \$750,000 | |
| 0647 | Capital Planning | 204 | Sludge facilities, dewatering, and other | 01/01/04 | \$75,000 | |
| 0647 | Capital Planning | 1621 | Replacement Digester for Alafaya WWTF | 01/01/04 | \$600,000 | |
| 0647 | Capital Planning | 201 | Sand filter rehab & chlorine contact | 02/01/04 | \$22,000 | |
| 0647 | Capital Planning | 205 | Construct sludge dewatering facilities | 06/01/04 | \$200,000 | |
| 0647 | Capital Planning | 206 | Permanent office, controls and equipment | 01/01/05 | \$100,000 | |
| 0647 | Approved-Reg. Dir | 1263 | Alafaya WWTP Safety Upgrades | 05/01/03 | \$20,393 | |
| 0647 | Approved-Reg. Dir | 202 | Rehabilitation of the West Plant | 12/01/03 | \$194,899 | |
| 0647 | Open | 420 | Design and construction of reuse system | 04/01/97 | \$970,000 | \$777,686 |
| 0647 | Open | 415 | CR 419 Reuse Main | 02/01/02 | \$563,465 | \$465,650 |
| 0647 | Open | 419 | FDEP permit application to renew permit | 05/15/02 | \$43,500 | \$24,443 |
| 0647 | Open | 697 | 20" Reuse Main from WWTF to west side of | 08/01/02 | \$560,000 | \$3,160 |
| 0647 | Open | 1492 | Collection Manhole Inspection and Repair | 07/01/03 | \$35,120 | \$8,200 |
| 0647 | Open | 1168 | Collection System Smoke Testing and | 12/01/03 | \$75,352 | |



Capital Project Request

Florida FL C067 0647 1170
 Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created: 03/01/03

Related to ID #:

Project Name: Design and Permitting of Little Creek RWM

Company: Alafaya Utilities, Inc.

Expenses to Start: 06/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 12/31/2003

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Category: Regulatory Requirement Expand Capacity Ongoing Maintenance
 Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety

Estimated Costs by Component

WO#: _____
 PO#: _____ GL#: _____

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|-----------------------|-------------------|--|
| | | | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) If replacing existing equipment, when (year) was the original asset placed in service? _____ |
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Capital Plan Estimate: \$50,000.00 Estimate Totals: _____

Capitalized Time Estimate: _____ Hours Total # of Customers: _____ # of Affected Customers: _____ Cost per Customer: _____

Signature Authority & Approvals

Submitted by: _____ Title: _____ Date: _____
 \$5,000 - \$10,000 _____ Regional Director Date: _____
 \$10,001 - \$25,000 _____ Director of Operations Date: _____
 Over \$25,000 _____ Chief Executive Officer Date: _____

Attachment(s) - Ref. # 1170 Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description _____
 List of System Projects _____



Capital Project Request

Florida FL C067 0647 1170
 Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created: 03/01/03

Related to ID #:

Project Name: Design and Permitting of Little Creek RWM

Company: Alafaya Utilities, Inc.

Expenses to Start: 06/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 12/31/2003

| Sub | Status | Proj ID | Project Name | Date | Estimate | Spent |
|------|-------------------|---------|--|----------|-----------|-----------|
| 0647 | Capital Planning | 1164 | Design and Permitting of Facility Headworks | 04/15/03 | \$40,500 | |
| 0647 | Capital Planning | 198 | Perc Pond Site - Golf Course Disposal | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1166 | Design/Permitting of Additional Reclaimed | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1169 | I/I Study Construction Remedies | 06/01/03 | \$500,000 | |
| 0647 | Capital Planning | 1170 | Design and Permitting of Little Creek RWM | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1172 | Design/Permitting of Additional Effluent | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1175 | Expansion of Existing RW Filter Capacity | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1176 | Installation of Air Scrubber on Master Lift | 06/01/03 | \$70,000 | |
| 0647 | Capital Planning | 1177 | RW Storage Tank Catwalk Installation | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1174 | Hydrogeologic Investigation of Perc Pond | 08/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1527 | Waverly & Ekana Reclaimed Connections | 08/01/03 | | |
| 0647 | Capital Planning | 1165 | Construction of Facility Headworks | 09/30/03 | \$500,000 | |
| 0647 | Capital Planning | 203 | 2 Additional H.S. Pumps for Reuse | 10/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1594 | Addition of Permanent Reuse Instrument | 10/01/03 | | |
| 0647 | Capital Planning | 1171 | Construction of Little Creek RWM | 11/30/03 | \$500,000 | |
| 0647 | Capital Planning | 1173 | Construction of Additional Effluent Disposal | 11/30/03 | \$300,000 | |
| 0647 | Capital Planning | 1167 | Construction of Reclaimed Water Storage | 12/01/03 | \$750,000 | |
| 0647 | Capital Planning | 204 | Sludge facilities, dewatering, and other | 01/01/04 | \$75,000 | |
| 0647 | Capital Planning | 1621 | Replacement Digester for Alafaya WWTF | 01/01/04 | \$600,000 | |
| 0647 | Capital Planning | 201 | Sand filter rehab & chlorine contact | 02/01/04 | \$22,000 | |
| 0647 | Capital Planning | 205 | Construct sludge dewatering facilities | 06/01/04 | \$200,000 | |
| 0647 | Capital Planning | 206 | Permanent office, controls and equipment | 01/01/05 | \$100,000 | |
| 0647 | Approved-Reg. Dir | 1263 | Alafaya WWTP Safety Upgrades | 05/01/03 | \$20,393 | |
| 0647 | Approved-Reg. Dir | 202 | Rehabilitation of the West Plant | 12/01/03 | \$194,899 | |
| 0647 | Open | 420 | Design and construction of reuse system | 04/01/97 | \$970,000 | \$777,686 |
| 0647 | Open | 415 | CR 419 Reuse Main | 02/01/02 | \$563,465 | \$465,650 |
| 0647 | Open | 419 | FDEP permit application to renew permit | 05/15/02 | \$43,500 | \$24,443 |
| 0647 | Open | 697 | 20" Reuse Main from WWTF to west side of | 08/01/02 | \$560,000 | \$3,160 |
| 0647 | Open | 1492 | Collection Manhole Inspection and Repair | 07/01/03 | \$35,120 | \$8,200 |
| 0647 | Open | 1168 | Collection System Smoke Testing and | 12/01/03 | \$75,352 | |



Capital Project Request

Florida FL C067 0647 1175
 Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created: 03/01/03

Related to ID #:

Project Name: **Expansion of Existing RW Filter Capacity**

Company: Alafaya Utilities, Inc.

Expenses to Start: 06/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 12/31/2003

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Regulatory Requirement Expand Capacity Ongoing Maintenance
 Category: Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety

Estimated Costs by Component

WO#: _____

PO#: _____

GL#: _____

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|-----------------------|-------------------|--|
| | | | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) If replacing existing equipment, when (year) was the original asset placed in service? _____ |
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Capital Plan Estimate: \$75,000.00 Estimate Totals: _____

Capitalized Time Estimate: _____ Hours Total # of Customers: _____ # of Affected Customers: _____ Cost per Customer: _____

Signature Authority & Approvals

Submitted by: _____ Title: _____ Date: _____

\$5,000 - \$10,000 _____ Regional Director Date: _____

\$10,001 - \$25,000 _____ Director of Operations Date: _____

Over \$25,000 _____ Chief Executive Officer Date: _____

Attachment(s) - Ref. # 1175

Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description _____
 List of System Projects _____



Capital Project Request

Florida FL C067 0647 1175
 Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created: 03/01/03

Related to ID #:

Project Name: **Expansion of Existing RW Filter Capacity**

Company: Alafaya Utilities, Inc.

Expenses to Start: 06/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 12/31/2003

Project Description

See Notes Screen for addtl info Estimate Total:

Addition of Two additional filtration disks to expand capacity of filtration equipment an additional .500 MGD. Project will also change out the existing filtration media.

Justification & Benefits

Alternatives

Timing of Project

System Information

● Facility Update

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

● Anticipated Growth in Area

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

● Rate Case Information

Last Order Date: 10/94

Order Number: 23100

Type: S

Docket: 900456-SU

Test Year: Acquisition

Capital Project Request

Florida FL C067 0647 1175
 Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created: 03/01/03

Related to ID #:

Project Name: **Expansion of Existing RW Filter Capacity**Company: **Alafaya Utilities, Inc.**Expenses to Start: **06/01/2003**System: **Alafaya Utilities, Inc.**Expenses to End: **12/31/2003**

• **List of Other Projects for System - by Project Status**

| Sub | Status | Proj ID | Project Name | Date | Estimate | Spent |
|------|-------------------|---------|--|----------|-----------|-----------|
| 0647 | Capital Planning | 1164 | Design and Permitting of Facility Headworks | 04/15/03 | \$40,500 | |
| 0647 | Capital Planning | 198 | Perc Pond Site - Golf Course Disposal | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1166 | Design/Permitting of Additional Reclaimed | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1169 | I/I Study Construction Remedies | 06/01/03 | \$500,000 | |
| 0647 | Capital Planning | 1170 | Design and Permitting of Little Creek RWM | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1172 | Design/Permitting of Additional Effluent | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1175 | Expansion of Existing RW Filter Capacity | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1176 | Installation of Air Scrubber on Master Lift | 06/01/03 | \$70,000 | |
| 0647 | Capital Planning | 1177 | RW Storage Tank Catwalk Installation | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1174 | Hydrogeologic Investigation of Perc Pond | 08/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1527 | Waverly & Ekana Reclaimed Connections | 08/01/03 | | |
| 0647 | Capital Planning | 1165 | Construction of Facility Headworks | 09/30/03 | \$500,000 | |
| 0647 | Capital Planning | 203 | 2 Additional H.S. Pumps for Reuse | 10/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1594 | Addition of Permanent Reuse Instrument | 10/01/03 | | |
| 0647 | Capital Planning | 1171 | Construction of Little Creek RWM | 11/30/03 | \$500,000 | |
| 0647 | Capital Planning | 1173 | Construction of Additional Effluent Disposal | 11/30/03 | \$300,000 | |
| 0647 | Capital Planning | 1167 | Construction of Reclaimed Water Storage | 12/01/03 | \$750,000 | |
| 0647 | Capital Planning | 204 | Sludge facilities, dewatering, and other | 01/01/04 | \$75,000 | |
| 0647 | Capital Planning | 1621 | Replacement Digester for Alafaya WWTF | 01/01/04 | \$600,000 | |
| 0647 | Capital Planning | 201 | Sand filter rehab & chlorine contact | 02/01/04 | \$22,000 | |
| 0647 | Capital Planning | 205 | Construct sludge dewatering facilities | 06/01/04 | \$200,000 | |
| 0647 | Capital Planning | 206 | Permanent office, controls and equipment | 01/01/05 | \$100,000 | |
| 0647 | Approved-Reg. Dir | 1263 | Alafaya WWTP Safety Upgrades | 05/01/03 | \$20,393 | |
| 0647 | Approved-Reg. Dir | 202 | Rehabilitation of the West Plant | 12/01/03 | \$194,899 | |
| 0647 | Open | 420 | Design and construction of reuse system | 04/01/97 | \$970,000 | \$777,686 |
| 0647 | Open | 415 | CR 419 Reuse Main | 02/01/02 | \$563,465 | \$465,650 |
| 0647 | Open | 419 | FDEP permit application to renew permit | 05/15/02 | \$43,500 | \$24,443 |
| 0647 | Open | 697 | 20" Reuse Main from WWTF to west side of | 08/01/02 | \$560,000 | \$3,180 |
| 0647 | Open | 1492 | Collection Manhole Inspection and Repair | 07/01/03 | \$35,120 | \$8,200 |
| 0647 | Open | 1168 | Collection System Smoke Testing and | 12/01/03 | \$75,352 | |



Capital Project Request

Florida FL C067 0647 1176
 Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created: 03/01/03

Related to ID #:

Project Name: Installation of Air Scrubber on Master Lift Station

Company: Alafaya Utilities, Inc.

Expenses to Start: 06/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 12/31/2003

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Category: Regulatory Requirement Expand Capacity Ongoing Maintenance
 Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety

Estimated Costs by Component

WO#: _____

PO#: _____ GL#: _____

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|-----------------------|-------------------|--|
| | | | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) |
| | | | If replacing existing equipment, when (year) was the original asset placed in service? _____ |
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Capital Plan Estimate: \$70,000.00 Estimate Totals: _____

Capitalized Time Estimate: _____ Hours Total # of Customers: _____ # of Affected Customers: _____ Cost per Customer: _____

Signature Authority & Approvals

Submitted by: _____ Title: _____ Date: _____

\$5,000 - \$10,000 _____ Regional Director Date: _____

\$10,001 - \$25,000 _____ Director of Operations Date: _____

Over \$25,000 _____ Chief Executive Officer Date: _____

Attachment(s) - Ref. # 1176

Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description
 List of System Projects

Capital Project Request

Florida FL C067 0647 1176
 Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created: 03/01/03

Related to ID #:

Project Name: Installation of Air Scrubber on Master Lift Station

Company: Alafaya Utilities, Inc.

Expenses to Start: 06/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 12/31/2003

Project Description See Notes Screen for add'l info **Estimate Total:**

Installation of Air Scrubber System on Master Lift Station at the entrance to the facility to help eliminate odor complaints. Odor complaints noted within the FDEP files and PSC rate case staff's evaluation.

Justification & Benefits

Alternatives

Timing of Project

System Information

● **Facility Update**

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

● **Anticipated Growth in Area**

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

● **Rate Case Information**

Last Order Date: 10/94

Order Number: 23100

Type: S

Docket: 900456-SU

Test Year: Acquisition



Capital Project Request

Florida FL C067 0647 1176

Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created: 03/01/03

Related to ID #:

Project Name: Installation of Air Scrubber on Master Lift Station

Company: Alafaya Utilities, Inc.

Expenses to Start: 06/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 12/31/2003

• List of Other Projects for System - by Project Status

| Sub | Status | Proj ID | Project Name | Date | Estimate | Spent |
|------|-------------------|---------|--|----------|-----------|-----------|
| 0647 | Capital Planning | 1164 | Design and Permitting of Facility Headworks | 04/15/03 | \$40,500 | |
| 0647 | Capital Planning | 198 | Perc Pond Site - Golf Course Disposal | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1166 | Design/Permitting of Additional Reclaimed | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1169 | I/I Study Construction Remedies | 06/01/03 | \$500,000 | |
| 0647 | Capital Planning | 1170 | Design and Permitting of Little Creek RWM | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1172 | Design/Permitting of Additional Effluent | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1175 | Expansion of Existing RW Filter Capacity | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1176 | Installation of Air Scrubber on Master Lift | 06/01/03 | \$70,000 | |
| 0647 | Capital Planning | 1177 | RW Storage Tank Catwalk Installation | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1174 | Hydrogeologic Investigation of Perc Pond | 08/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1527 | Waverly & Ekana Reclaimed Connections | 08/01/03 | | |
| 0647 | Capital Planning | 1165 | Construction of Facility Headworks | 09/30/03 | \$500,000 | |
| 0647 | Capital Planning | 203 | 2 Additional H.S. Pumps for Reuse | 10/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1594 | Addition of Permanent Reuse Instrument | 10/01/03 | | |
| 0647 | Capital Planning | 1171 | Construction of Little Creek RWM | 11/30/03 | \$500,000 | |
| 0647 | Capital Planning | 1173 | Construction of Additional Effluent Disposal | 11/30/03 | \$300,000 | |
| 0647 | Capital Planning | 1167 | Construction of Reclaimed Water Storage | 12/01/03 | \$750,000 | |
| 0647 | Capital Planning | 204 | Sludge facilities, dewatering, and other | 01/01/04 | \$75,000 | |
| 0647 | Capital Planning | 1621 | Replacement Digester for Alafaya WWTF | 01/01/04 | \$600,000 | |
| 0647 | Capital Planning | 201 | Sand filter rehab & chlorine contact | 02/01/04 | \$22,000 | |
| 0647 | Capital Planning | 205 | Construct sludge dewatering facilities | 06/01/04 | \$200,000 | |
| 0647 | Capital Planning | 206 | Permanent office, controls and equipment | 01/01/05 | \$100,000 | |
| 0647 | Approved-Reg. Dir | 1263 | Alafaya WWTP Safety Upgrades | 05/01/03 | \$20,393 | |
| 0647 | Approved-Reg. Dir | 202 | Rehabilitation of the West Plant | 12/01/03 | \$194,899 | |
| 0647 | Open | 420 | Design and construction of reuse system | 04/01/97 | \$970,000 | \$777,686 |
| 0647 | Open | 415 | CR 419 Reuse Main | 02/01/02 | \$583,485 | \$465,650 |
| 0647 | Open | 419 | FDEP permit application to renew permit | 05/15/02 | \$43,500 | \$24,443 |
| 0647 | Open | 697 | 20" Reuse Main from WWTF to west side of | 08/01/02 | \$560,000 | \$3,160 |
| 0647 | Open | 1492 | Collection Manhole Inspection and Repair | 07/01/03 | \$35,120 | \$8,200 |
| 0647 | Open | 1168 | Collection System Smoke Testing and | 12/01/03 | \$75,352 | |



Capital Project Request

Florida FL C067 0647 1177
 Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created: 03/01/03

Related to ID #:

Project Name: **RW Storage Tank Catwalk Installation**

Company: **Alafaya Utilities, Inc.**

Expenses to Start: **06/01/2003**

System: **Alafaya Utilities, Inc.**

Expenses to End: **12/31/2003**

Project Description See Notes Screen for addtl info Estimate Total:

Evaluation and Construction of catwalk system for the existing reclaimed water storage tank. Catwalk is required to adequately maintain the floating cover.

Justification & Benefits

Alternatives

Timing of Project

System Information

● Facility Update

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

● Anticipated Growth in Area

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

● Rate Case Information

Last Order Date: 10/94

Order Number: 23100

Type: S

Docket: 900456-SU

Test Year: Acquisition

Capital Project Request

Florida FL C067 0647 1177

Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created: 03/01/03

Related to ID #:

Project Name: RW Storage Tank Catwalk Installation

Company: Alafaya Utilities, Inc.

Expenses to Start: 06/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 12/31/2003

• List of Other Projects for System - by Project Status

| Sub | Status | Proj ID | Project Name | Date | Estimate | Spent |
|------|-------------------|---------|--|----------|-----------|-----------|
| 0647 | Capital Planning | 1164 | Design and Permitting of Facility Headworks | 04/15/03 | \$40,500 | |
| 0647 | Capital Planning | 198 | Perc Pond Site - Golf Course Disposal | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1166 | Design/Permitting of Additional Reclaimed | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1169 | I/I Study Construction Remedies | 06/01/03 | \$500,000 | |
| 0647 | Capital Planning | 1170 | Design and Permitting of Little Creek RWM | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1172 | Design/Permitting of Additional Effluent | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1175 | Expansion of Existing RW Filter Capacity | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1176 | Installation of Air Scrubber on Master Lift | 06/01/03 | \$70,000 | |
| 0647 | Capital Planning | 1177 | RW Storage Tank Catwalk Installation | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1174 | Hydrogeologic Investigation of Perc Pond | 08/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1527 | Waverly & Ekana Reclaimed Connections | 08/01/03 | | |
| 0647 | Capital Planning | 1165 | Construction of Facility Headworks | 09/30/03 | \$500,000 | |
| 0647 | Capital Planning | 203 | 2 Additional H.S. Pumps for Reuse | 10/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1594 | Addition of Permanent Reuse Instrument | 10/01/03 | | |
| 0647 | Capital Planning | 1171 | Construction of Little Creek RWM | 11/30/03 | \$500,000 | |
| 0647 | Capital Planning | 1173 | Construction of Additional Effluent Disposal | 11/30/03 | \$300,000 | |
| 0647 | Capital Planning | 1167 | Construction of Reclaimed Water Storage | 12/01/03 | \$750,000 | |
| 0647 | Capital Planning | 204 | Sludge facilities, dewatering, and other | 01/01/04 | \$75,000 | |
| 0647 | Capital Planning | 1621 | Replacement Digester for Alafaya WWTF | 01/01/04 | \$600,000 | |
| 0647 | Capital Planning | 201 | Sand filter rehab & chlorine contact | 02/01/04 | \$22,000 | |
| 0647 | Capital Planning | 205 | Construct sludge dewatering facilities | 06/01/04 | \$200,000 | |
| 0647 | Capital Planning | 206 | Permanent office, controls and equipment | 01/01/05 | \$100,000 | |
| 0647 | Approved-Reg. Dir | 1263 | Alafaya WWTP Safety Upgrades | 05/01/03 | \$20,393 | |
| 0647 | Approved-Reg. Dir | 202 | Rehabilitation of the West Plant | 12/01/03 | \$194,899 | |
| 0647 | Open | 420 | Design and construction of reuse system | 04/01/97 | \$970,000 | \$777,686 |
| 0647 | Open | 415 | CR 419 Reuse Main | 02/01/02 | \$563,465 | \$465,650 |
| 0647 | Open | 419 | FDEP permit application to renew permit | 05/15/02 | \$43,500 | \$24,443 |
| 0647 | Open | 697 | 20" Reuse Main from WWTF to west side of | 08/01/02 | \$560,000 | \$3,160 |
| 0647 | Open | 1492 | Collection Manhole Inspection and Repair | 07/01/03 | \$35,120 | \$8,200 |
| 0647 | Open | 1168 | Collection System Smoke Testing and | 12/01/03 | \$75,352 | |

Capital Project Request

Florida FL C067 0647 1174
 Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created: 03/01/03

Related to ID#:

Project Name: **Hydrogeologic Investigation of Perc Pond Capacity**

Company: **Alafaya Utilities, Inc.**

Expenses to Start: **08/01/2003**

System: **Alafaya Utilities, Inc.**

Expenses to End: **12/31/2003**

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Regulatory Requirement Expand Capacity Ongoing Maintenance
 Category: Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety

Estimated Costs by Component

WO#: _____
 PO#: _____ GL#: _____

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|-----------------------|-------------------|--|
| | | | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) If replacing existing equipment, when (year) was the original asset placed in service? _____ |
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Capital Plan Estimate: \$50,000.00 Estimate Totals: _____

Capitalized Time Estimate: _____ Hours Total # of Customers: _____ # of Affected Customers: _____ Cost per Customer: _____

Signature Authority & Approvals

Submitted by: _____ Title: _____ Date: _____
 \$5,000 - \$10,000 _____ Regional Director Date: _____
 \$10,001 - \$25,000 _____ Director of Operations Date: _____
 Over \$25,000 _____ Chief Executive Officer Date: _____

Attachment(s) - Ref. # 1174

Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description
 List of System Projects



Capital Project Request

Florida FL C067 0647 .1174
 Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created: 03/01/03

Related to ID #:

Project Name: **Hydrogeologic Investigation of Perc Pond Capacity**

Company: Alafaya Utilities, Inc.

Expenses to Start: 08/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 12/31/2003

Project Description See Notes Screen for addtl info **Estimate Total:**

Engineering and consulting for evaluation of actual percolation pond capacity.

Justification & Benefits

Alternatives

Timing of Project

System Information

• **Facility Update**

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

• **Anticipated Growth in Area**

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

• **Rate Case Information**

Last Order Date: 10/94

Order Number: 23100

Type: S

Docket: 900456-SU

Test Year: Acquisition

• **List of Other Projects for System - by Project Status**



Capital Project Request

Florida FL C067 0647 1174
 Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created: 03/01/03

Related to ID #:

Project Name: Hydrogeologic Investigation of Perc Pond Capacity

Company: Alafaya Utilities, Inc.

Expenses to Start: 08/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 12/31/2003

| Sub | Status | Proj ID | Project Name | Date | Estimate | Spent |
|------|-------------------|---------|--|----------|-----------|-----------|
| 0647 | Capital Planning | 1164 | Design and Permitting of Facility Headworks | 04/15/03 | \$40,500 | |
| 0647 | Capital Planning | 198 | Perc Pond Site - Golf Course Disposal | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1166 | Design/Permitting of Additional Reclaimed | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1169 | I/I Study Construction Remedies | 06/01/03 | \$500,000 | |
| 0647 | Capital Planning | 1170 | Design and Permitting of Little Creek RWM | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1172 | Design/Permitting of Additional Effluent | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1175 | Expansion of Existing RW Filter Capacity | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1176 | Installation of Air Scrubber on Master Lift | 06/01/03 | \$70,000 | |
| 0647 | Capital Planning | 1177 | RW Storage Tank Catwalk Installation | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1174 | Hydrogeologic Investigation of Perc Pond | 08/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1527 | Waverly & Ekana Reclaimed Connections | 08/01/03 | | |
| 0647 | Capital Planning | 1165 | Construction of Facility Headworks | 09/30/03 | \$500,000 | |
| 0647 | Capital Planning | 203 | 2 Additional H.S. Pumps for Reuse | 10/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1594 | Addition of Permanent Reuse Instrument | 10/01/03 | | |
| 0647 | Capital Planning | 1171 | Construction of Little Creek RWM | 11/30/03 | \$500,000 | |
| 0647 | Capital Planning | 1173 | Construction of Additional Effluent Disposal | 11/30/03 | \$300,000 | |
| 0647 | Capital Planning | 1167 | Construction of Reclaimed Water Storage | 12/01/03 | \$750,000 | |
| 0647 | Capital Planning | 204 | Sludge facilities, dewatering, and other | 01/01/04 | \$75,000 | |
| 0647 | Capital Planning | 1621 | Replacement Digester for Alafaya WWTF | 01/01/04 | \$600,000 | |
| 0647 | Capital Planning | 201 | Sand filter rehab & chlorine contact | 02/01/04 | \$22,000 | |
| 0647 | Capital Planning | 205 | Construct sludge dewatering facilities | 06/01/04 | \$200,000 | |
| 0647 | Capital Planning | 206 | Permanent office, controls and equipment | 01/01/05 | \$100,000 | |
| 0647 | Approved-Reg. Dir | 1263 | Alafaya WWTF Safety Upgrades | 05/01/03 | \$20,393 | |
| 0647 | Approved-Reg. Dir | 202 | Rehabilitation of the West Plant | 12/01/03 | \$194,899 | |
| 0647 | Open | 420 | Design and construction of reuse system | 04/01/97 | \$970,000 | \$777,686 |
| 0647 | Open | 415 | CR 419 Reuse Main | 02/01/02 | \$563,465 | \$465,650 |
| 0647 | Open | 419 | FDEP permit application to renew permit | 05/15/02 | \$43,500 | \$24,443 |
| 0647 | Open | 697 | 20" Reuse Main from WWTF to west side of | 08/01/02 | \$560,000 | \$3,160 |
| 0647 | Open | 1492 | Collection Manhole Inspection and Repair | 07/01/03 | \$35,120 | \$8,200 |
| 0647 | Open | 1168 | Collection System Smoke Testing and | 12/01/03 | \$75,352 | |



Capital Project Request

Florida FL C067 0647 203
 Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created:

Related to ID #:

Project Name: 2 Additional H.S. Pumps for Reuse

Company: Alafaya Utilities, Inc.

Expenses to Start: 10/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 12/31/2003

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Category: Regulatory Requirement Expand Capacity Ongoing Maintenance
 Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety



Estimated Costs by Component

WO#: _____

PO#: _____ GL#: _____

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|-----------------------|-------------------|--|
| | | | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) If replacing existing equipment, when (year) was the original asset placed in service? _____ |
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Capital Plan Estimate: \$50,000.00 Estimate Totals: _____

Capitalized Time Estimate: _____ Hours Total # of Customers: _____ # of Affected Customers: _____ Cost per Customer: _____



Signature Authority & Approvals

Submitted by: _____ Title: _____ Date: _____
 \$5,000 - \$10,000 _____ Regional Director Date: _____
 \$10,001 - \$25,000 _____ Director of Operations Date: _____
 Over \$25,000 _____ Chief Executive Officer Date: _____



Attachment(s) - Ref. # 203

Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description
 List of System Projects



Capital Project Request

Florida FL C067 0647 203
 Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created:

Related to ID #:

Project Name: **2 Additional H.S. Pumps for Reuse**

Company: **Alafaya Utilities, Inc.**

Expenses to Start: **10/01/2003**

System: **Alafaya Utilities, Inc.**

Expenses to End: **12/31/2003**

Project Description See Notes Screen for addtl info **Estimate Total:**

2 Additional H.S. Pumps for Reuse

Justification & Benefits

For added capacity of Reuse system

Alternatives

Timing of Project

System Information

• **Facility Update**

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

• **Anticipated Growth in Area**

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

• **Rate Case Information**

Last Order Date: 10/94

Order Number: 23100

Type: S

Docket: 900456-SU

Test Year: Acquisition



Capital Project Request

Florida FL C067 0647 '203
 Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created:

Related to ID #:

Project Name: **2 Additional H.S. Pumps for Reuse**

Company: Alafaya Utilities, Inc.

Expenses to Start: **10/01/2003**

System: Alafaya Utilities, Inc.

Expenses to End: **12/31/2003**

• List of Other Projects for System - by Project Status

| Sub | Status | Proj ID | Project Name | Date | Estimate | Spent |
|------|-------------------|---------|--|----------|-----------|-----------|
| 0647 | Capital Planning | 1164 | Design and Permitting of Facility Headworks | 04/15/03 | \$40,500 | |
| 0647 | Capital Planning | 198 | Perc Pond Site - Golf Course Disposal | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1166 | Design/Permitting of Additional Reclaimed | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1169 | MI Study Construction Remedies | 06/01/03 | \$500,000 | |
| 0647 | Capital Planning | 1170 | Design and Permitting of Little Creek RWM | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1172 | Design/Permitting of Additional Effluent | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1175 | Expansion of Existing RW Filter Capacity | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1176 | Installation of Air Scrubber on Master Lift | 06/01/03 | \$70,000 | |
| 0647 | Capital Planning | 1177 | RW Storage Tank Catwalk Installation | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1174 | Hydrogeologic Investigation of Perc Pond | 08/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1527 | Waverly & Ekana Reclaimed Connections | 08/01/03 | | |
| 0647 | Capital Planning | 1165 | Construction of Facility Headworks | 09/30/03 | \$500,000 | |
| 0647 | Capital Planning | 203 | 2 Additional H.S. Pumps for Reuse | 10/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1594 | Addition of Permanent Reuse Instrument | 10/01/03 | | |
| 0647 | Capital Planning | 1171 | Construction of Little Creek RWM | 11/30/03 | \$500,000 | |
| 0647 | Capital Planning | 1173 | Construction of Additional Effluent Disposal | 11/30/03 | \$300,000 | |
| 0647 | Capital Planning | 1167 | Construction of Reclaimed Water Storage | 12/01/03 | \$750,000 | |
| 0647 | Capital Planning | 204 | Sludge facilities, dewatering, and other | 01/01/04 | \$75,000 | |
| 0647 | Capital Planning | 1621 | Replacement Digester for Alafaya WWTF | 01/01/04 | \$600,000 | |
| 0647 | Capital Planning | 201 | Sand filter rehab & chlorine contact | 02/01/04 | \$22,000 | |
| 0647 | Capital Planning | 205 | Construct sludge dewatering facilities | 06/01/04 | \$200,000 | |
| 0647 | Capital Planning | 206 | Permanent office, controls and equipment | 01/01/05 | \$100,000 | |
| 0647 | Approved-Reg. Dir | 1263 | Alafaya WWTP Safety Upgrades | 05/01/03 | \$20,393 | |
| 0647 | Approved-Reg. Dir | 202 | Rehabilitation of the West Plant | 12/01/03 | \$194,899 | |
| 0647 | Open | 420 | Design and construction of reuse system | 04/01/97 | \$970,000 | \$777,686 |
| 0647 | Open | 415 | CR 419 Reuse Main | 02/01/02 | \$563,485 | \$465,650 |
| 0647 | Open | 419 | FDEP permit application to renew permit | 05/15/02 | \$43,500 | \$24,443 |
| 0647 | Open | 697 | 20" Reuse Main from WWTF to west side of | 08/01/02 | \$560,000 | \$3,160 |
| 0647 | Open | 1492 | Collection Manhole Inspection and Repair | 07/01/03 | \$35,120 | \$8,200 |
| 0647 | Open | 1168 | Collection System Smoke Testing and | 12/01/03 | \$75,352 | |

Capital Project Request

Florida FL C067 0647 1167
 Region State Co# Sub# ID#

Priority Level: **5** - Discretionary

Project Created: 03/01/03

Related to ID #:

Project Name: **Construction of Reclaimed Water Storage Tank**

Company: **Alafaya Utilities, Inc.**

Expenses to Start: **12/01/2003**

System: **Alafaya Utilities, Inc.**

Expenses to End: **06/01/2004**

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Regulatory Requirement Expand Capacity Ongoing Maintenance
 Category: Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety

Estimated Costs by Component

WO#: _____

PO#: _____

GL#: _____

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|-----------------------|-------------------|--|
| | | | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) |
| | | | If replacing existing equipment, when (year) was the original asset placed in service? _____ |
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Capital Plan Estimate: \$750,000.00 Estimate Totals: _____

Capitalized Time Estimate: _____ Hours Total # of Customers: _____ # of Affected Customers: _____ Cost per Customer: _____

Signature Authority & Approvals

Submitted by: _____ Title: _____ Date: _____

\$5,000 - \$10,000 _____ Regional Director Date: _____

\$10,001 - \$25,000 _____ Director of Operations Date: _____

Over \$25,000 _____ Chief Executive Officer Date: _____

Attachment(s) - Ref. # 1167

Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description _____
 List of System Projects _____

Capital Project Request

Florida FL C067 0647 1167
 Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created: 03/01/03

Related to ID #:

Project Name: **Construction of Reclaimed Water Storage Tank**

Company: Alafaya Utilities, Inc.

Expenses to Start: **12/01/2003**

System: Alafaya Utilities, Inc.

Expenses to End: **06/01/2004**

Project Description See Notes Screen for addtl info **Estimate Total:**

Construction of Additional Reclaimed Water Storage Tank based upon design in project number 2002-1166

Justification & Benefits

Alternatives

Timing of Project

System Information

● **Facility Update**

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

● **Anticipated Growth in Area**

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

● **Rate Case Information**

Last Order Date: 10/94

Order Number: 23100

Type: S

Docket: 900456-SU

Test Year: Acquisition

● **List of Other Projects for System - by Project Status**



Capital Project Request

Florida FL C067 0647 1167
 Region State Co# Sub# ID#

Priority Level: 5 - Discretionary

Project Created: 03/01/03

Related to ID #:

Project Name: Construction of Reclaimed Water Storage Tank

Company: Alafaya Utilities, Inc.

Expenses to Start: 12/01/2003

System: Alafaya Utilities, Inc.

Expenses to End: 06/01/2004

| Sub | Status | Proj ID | Project Name | Date | Estimate | Spent |
|------|-------------------|---------|--|----------|-----------|-----------|
| 0647 | Capital Planning | 1164 | Design and Permitting of Facility Headworks | 04/15/03 | \$40,500 | |
| 0647 | Capital Planning | 198 | Perc Pond Site - Golf Course Disposal | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1166 | Design/Permitting of Additional Reclaimed | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1169 | I/I Study Construction Remedies | 06/01/03 | \$500,000 | |
| 0647 | Capital Planning | 1170 | Design and Permitting of Little Creek RWM | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1172 | Design/Permitting of Additional Effluent | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1175 | Expansion of Existing RW Filter Capacity | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1176 | Installation of Air Scrubber on Master Lift | 06/01/03 | \$70,000 | |
| 0647 | Capital Planning | 1177 | RW Storage Tank Catwalk Installation | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1174 | Hydrogeologic Investigation of Perc Pond | 08/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1527 | Waverly & Ekana Reclaimed Connections | 08/01/03 | | |
| 0647 | Capital Planning | 1165 | Construction of Facility Headworks | 09/30/03 | \$500,000 | |
| 0647 | Capital Planning | 203 | 2 Additional H.S. Pumps for Reuse | 10/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1594 | Addition of Permanent Reuse Instrument | 10/01/03 | | |
| 0647 | Capital Planning | 1171 | Construction of Little Creek RWM | 11/30/03 | \$500,000 | |
| 0647 | Capital Planning | 1173 | Construction of Additional Effluent Disposal | 11/30/03 | \$300,000 | |
| 0647 | Capital Planning | 1167 | Construction of Reclaimed Water Storage | 12/01/03 | \$750,000 | |
| 0647 | Capital Planning | 204 | Sludge facilities, dewatering, and other | 01/01/04 | \$75,000 | |
| 0647 | Capital Planning | 1621 | Replacement Digester for Alafaya WWTF | 01/01/04 | \$600,000 | |
| 0647 | Capital Planning | 201 | Sand filter rehab & chlorine contact | 02/01/04 | \$22,000 | |
| 0647 | Capital Planning | 205 | Construct sludge dewatering facilities | 06/01/04 | \$200,000 | |
| 0647 | Capital Planning | 206 | Permanent office, controls and equipment | 01/01/05 | \$100,000 | |
| 0647 | Approved-Reg. Dir | 1263 | Alafaya WWTP Safety Upgrades | 05/01/03 | \$20,393 | |
| 0647 | Approved-Reg. Dir | 202 | Rehabilitation of the West Plant | 12/01/03 | \$194,899 | |
| 0647 | Open | 420 | Design and construction of reuse system | 04/01/97 | \$970,000 | \$777,686 |
| 0647 | Open | 415 | CR 419 Reuse Main | 02/01/02 | \$563,465 | \$465,650 |
| 0647 | Open | 419 | FDEP permit application to renew permit | 05/15/02 | \$43,500 | \$24,443 |
| 0647 | Open | 697 | 20" Reuse Main from WWTF to west side of | 08/01/02 | \$560,000 | \$3,160 |
| 0647 | Open | 1492 | Collection Manhole Inspection and Repair | 07/01/03 | \$35,120 | \$8,200 |
| 0647 | Open | 1168 | Collection System Smoke Testing and | 12/01/03 | \$75,352 | |



Capital Project Request

Florida FL C067 0647 1621
 Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required

Project Created: 09/09/03

Related to ID #:

Project Name: Replacement Digester for Alafaya WWTF

Company: Alafaya Utilities, Inc.

Expenses to Start: 01/01/2004

System: Alafaya Utilities, Inc.

Expenses to End: 07/01/2004

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Regulatory Requirement Expand Capacity Ongoing Maintenance
 Category: Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety

Estimated Costs by Component

WO#: _____

PO#: _____

GL#: _____

| Component(s) | Component Description | Original Estimate | Asset Designation |
|--------------|-----------------------|-------------------|---|
| | Capitalized Time | | <input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input checked="" type="radio"/> Replacing Asset(s) If replacing existing equipment, when (year) was the original asset placed in service? <u>1/1/1972</u> |
| | IDC | | |
| | Engineering | \$36,500.00 | |
| | Construction | \$500,000.00 | |
| | Contingency | \$30,000.00 | |
| | | | |

Capital Plan Estimate: \$600,000.00 Estimate Totals: \$566,500.00

Capitalized Time Estimate: 160 Hours Total # of Customers: 6,006 # of Affected Customers: _____ Cost per Customer: \$94.32

Signature Authority & Approvals

Submitted by: _____ Title: _____ Date: _____
 \$5,000 - \$10,000 _____ Regional Director Date: _____
 \$10,001 - \$25,000 _____ Director of Operations Date: _____
 Over \$25,000 _____ Chief Executive Officer Date: _____

Attachment(s) - Ref. # 1621

Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description Estimate(s) Required _____
 List of System Projects Timeline Required _____

Capital Project Request

Florida FL C067 0647 1621
 Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required

Project Created: 09/09/03

Related to ID #:

Project Name: Replacement Digester for Alafaya WWTF

Company: Alafaya Utilities, Inc.

Expenses to Start: 01/01/2004

System: Alafaya Utilities, Inc.

Expenses to End: 07/01/2004

Project Description

See Notes Screen for addtl info Estimate Total: \$566,500.00

Replace the existing 250,000 gallon digester with a new 500,000 gallon unit, valves, piping, electrical components and appropriately sized blower capacity.

Justification & Benefits

1. The existing digester was constructed in 1972 as a WWTP. It was purchased in used condition by Alafaya Utilities in 1982. The digester is in very poor structural condition. The steel is delaminating above the water line. The catwalk is in relatively poor shape. The unit is also leaking through the concrete slab at the base of the steel tank. Repeated efforts to stop the liquid from seeping out have been unsuccessful.
2. The existing digester currently requires over \$5,000 in safety upgrades to meet OSHA requirements.
3. The current digester's capacity is inadequate for the facility's rated flow of 1.535 mgd, much less the design flow of 2.400 mgd. In order to process sludge efficiently at current flow conditions plus additional flow caused by customer growth over the next 5 years, about twice as much digester capacity is needed.
4. In addition to its poor structural condition, the existing digester's mechanical and electrical components require frequent repair. Over the past few years, it has needed electrical repairs 8 different times and mechanical repairs on 22 different occasions.
5. Upon completion, a Limited Proceeding could be submitted to the PSC to recoup the capital investment.

Alternatives

1. REHABILITATE THE EXISTING DIGESTER. This unit was originally a WWTP and was modified to operate as a sludge thickener and digester when installed in 1982. However, the sludge produced by the digester has a lower solids concentration resulting in elevated sludge processing and hauling costs. The estimated cost to completely overhaul the existing tank is \$_____.
2. OVERHAUL THE EXISTING DIGESTER AND CONSTRUCT A SECOND SIMILARLY SIZED UNIT ON SITE. Space limitations on the Alafaya WWTP site preclude the construction of multiple digester units. Additionally, by building one large tank, we would benefit from economies of scale in terms of capital investment and operating costs. Estimated cost for this approach is \$_____.

Timing of Project Timeline Required

In addition to the safety issues, the aforementioned leak at the base of the tank may generate FDEP enforcement action as a result of a future compliance inspection of the treatment plant.

System Information

• Facility Update

7/23/02 - The Alafaya WWTF has recently been upgraded to provide residential and commercial reuse service to those areas specified in accordance with the agreement between Alafaya Utilities and the City of Oviedo. The utility has installed a 20" transmission main from the East side of Lockwood Boulevard, which travels along a rear easement to CR 419. From this point, transmission mains ranging in size from 6", 12" and 18" travel to the North, West and East covering the service area.



Capital Project Request

Florida FL C067 0647 1621
 Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required

Project Created: 09/09/03

Related to ID #:

Project Name: Replacement Digester for Alafaya WWTF

Company: Alafaya Utilities, Inc.

Expenses to Start: 01/01/2004

System: Alafaya Utilities, Inc.

Expenses to End: 07/01/2004

The Alafaya WWTF has a 2.4 MGD treatment capacity potential. The current permitted capacity is 1.535 MGD that is limited by effluent disposal. The percolation ponds are rated at 1.0 MGD, the Ekana Golf Course spray irrigation system is rated at 0.1 MGD and the public access irrigation system is rated at 0.435 MGD.

Currently, the usage of chlorine is approximately 150 pounds per day on average between the two (2) treatment plants and post chlorination (Reuse) facilities. The cost of Chlorine Gas in 150 pound cylinders is currently \$64.00

• Anticipated Growth in Area

This area is a high growth corridor between Seminole and Orange counties and contains a strong potential for further development.

The new reuse main will connect to both the Live Oak and Sanctuary subdivisions, which at build out will be approx. 2500 single family homes.

• Rate Case Information

Last Order Date: 10/94

Order Number: 23100

Type: S

Docket: 900456-SU

Test Year: Acquisition

• List of Other Projects for System - by Project Status

| Sub | Status | Proj ID | Project Name | Date | Estimate | Spent |
|------|------------------|---------|--|----------|-----------|-------|
| 0647 | Capital Planning | 1164 | Design and Permitting of Facility Headworks | 04/15/03 | \$40,500 | |
| 0647 | Capital Planning | 198 | Perc Pond Site - Golf Course Disposal | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1166 | Design/Permitting of Additional Reclaimed | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1169 | I/I Study Construction Remedies | 06/01/03 | \$500,000 | |
| 0647 | Capital Planning | 1170 | Design and Permitting of Little Creek RWM | 06/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1172 | Design/Permitting of Additional Effluent | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1175 | Expansion of Existing RW Filter Capacity | 06/01/03 | \$75,000 | |
| 0647 | Capital Planning | 1176 | Installation of Air Scrubber on Master Lift | 06/01/03 | \$70,000 | |
| 0647 | Capital Planning | 1177 | RW Storage Tank Catwalk Installation | 06/01/03 | \$100,000 | |
| 0647 | Capital Planning | 1174 | Hydrogeologic Investigation of Perc Pond | 08/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1527 | Waverly & Ekana Reclaimed Connections | 08/01/03 | | |
| 0647 | Capital Planning | 1165 | Construction of Facility Headworks | 09/30/03 | \$500,000 | |
| 0647 | Capital Planning | 203 | 2 Additional H.S. Pumps for Reuse | 10/01/03 | \$50,000 | |
| 0647 | Capital Planning | 1594 | Addition of Permanent Reuse Instrument | 10/01/03 | | |
| 0647 | Capital Planning | 1171 | Construction of Little Creek RWM | 11/30/03 | \$500,000 | |
| 0647 | Capital Planning | 1173 | Construction of Additional Effluent Disposal | 11/30/03 | \$300,000 | |
| 0647 | Capital Planning | 1167 | Construction of Reclaimed Water Storage | 12/01/03 | \$750,000 | |
| 0647 | Capital Planning | 204 | Sludge facilities, dewatering, and other | 01/01/04 | \$75,000 | |
| 0647 | Capital Planning | 1621 | Replacement Digester for Alafaya WWTF | 01/01/04 | \$600,000 | |
| 0647 | Capital Planning | 201 | Sand filter rehab & chlorine contact | 02/01/04 | \$22,000 | |
| 0647 | Capital Planning | 205 | Construct sludge dewatering facilities | 06/01/04 | \$200,000 | |



Capital Project Request

Florida FL C067 0647 1621
 Region State Co# Sub# ID#

Priority Level: 1 - OSHA/Required

Project Created: 09/09/03

Related to ID #:

Project Name: Replacement Digester for Alafaya WWTF

Company: Alafaya Utilities, Inc.

Expenses to Start: 01/01/2004

System: Alafaya Utilities, Inc.

Expenses to End: 07/01/2004

| Code | Capital Planning | 200 | Permanent Office, Controls and equipment | 01/01/03 | \$100,000 | |
|------|-------------------|------|--|----------|-----------|-----------|
| 0647 | Approved-Reg. Dir | 1263 | Alafaya WWTP Safety Upgrades | 05/01/03 | \$20,393 | |
| 0647 | Approved-Reg. Dir | 202 | Rehabilitation of the West Plant | 12/01/03 | \$194,899 | |
| 0647 | Open | 420 | Design and construction of reuse system | 04/01/97 | \$970,000 | \$777,686 |
| 0647 | Open | 415 | CR 419 Reuse Main | 02/01/02 | \$563,465 | \$465,650 |
| 0647 | Open | 419 | FDEP permit application to renew permit | 05/15/02 | \$43,500 | \$24,443 |
| 0647 | Open | 697 | 20" Reuse Main from WWTF to west side of | 08/01/02 | \$560,000 | \$3,160 |
| 0647 | Open | 1492 | Collection Manhole Inspection and Repair | 07/01/03 | \$35,120 | \$8,200 |
| 0647 | Open | 1168 | Collection System Smoke Testing and | 12/01/03 | \$75,352 | |