
**SEMINOLE COUNTY GOVERNMENT
AGENDA MEMORANDUM**

SUBJECT: Water and Sewer Capital Improvement Program Briefing

DEPARTMENT: Environmental Services

DIVISION: Planning Engineering Inspections

AUTHORIZED BY: John Cirello

CONTACT: Carol Hunter

EXT: 2021

MOTION/RECOMMENDATION:

Approve 2008 Validation of the Water and Sewer Capital Improvement Program (CIP); and, approve staff to continue to proceed with preparation for the 2nd Bond issue; and, provide direction to staff regarding the current development strategy for Phase 2 of the Regional Surface Water Treatment Facility at Yankee Lake.

County-wide

John Cirello, Dennis Westrick

BACKGROUND:

The last update to the Board on CIP progress and outlook was provided in June 2007. The intent at that time was to provide program update briefings to the Board on a semi-annual basis. However, plans to provide the next update briefing in early 2008 were adjusted in order to have a clearer disposition of the project to construct the Regional Surface Water Treatment Facility at Yankee Lake, which has been awaiting a Consumptive Use Permit (CUP).

Now that the Yankee Lake CUP is in the administrative board hearing process, staff is able to update the Board on CIP progress to date and provide an outlook on upcoming activities.

Additionally, staff has been meeting with potential partners on Phase 2 of the Regional Surface Water Treatment Facility at Yankee Lake and is seeking Board direction as it relates to the governance structure.

STAFF RECOMMENDATION:

Staff recommends the Board affirm the 2008 Validation of the CIP; and,

Affirm continuing to proceed with preparation for the 2nd Bond issue; and,

Affirm the current development strategy for Phase 2 of the Regional Surface Water Treatment Facility at Yankee Lake.

ATTACHMENTS:

1. CIP Presentation

| |
|---|
| Additionally Reviewed By: No additional reviews |
|---|



Seminole County Environmental Services

Water and Sewer Capital Improvement Program Briefing

April 22, 2008

Briefing Purpose

- Staff Seeks To Update The BCC On The CIP Program Progress To Date And Provide An Outlook Of Upcoming Program Activities
- Semiannual Program Update
- BCC Consensus
 - *2008 Validation*
 - *2nd Bond Issue*
 - *Yankee Lake Surface Water Plant Ph2 Approach*



Program Update Agenda

Introduction

- *Dr. John Cirello, Environmental Services*

Program Status & Accomplishments

- *Drew Jeter, CH2M HILL*

2008 Revalidation/Reprioritization

- *Dennis Westrick, Environmental Services*

2nd Bond Issue

- *Bob Briggs, Environmental Services*

Yankee Lake Surface Water Plant Project, Phase 2

- *Dr. John Cirello, Matt Alvarez, CH2M HILL, Eric Rothstein*

Summary

- *Dr. John Cirello*



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Introduction

▶ Substantial CIP Progress

- *Total Expended* *\$46M*
 - *Expended 2007: \$29M*
 - *Expended 2008: \$17M*
- *Remaining Encumbrance:* *\$101M*
- *CIP Value In Design/Planning* *\$44M*

▶ Being Executed In Favorable Economic Environment

- *Competitive Market*

▶ Established Alternative Water Supply Leadership

- *Yankee Lake SWTF Years Ahead of Any Local Utility*
- *Positioned As Regional Leader*

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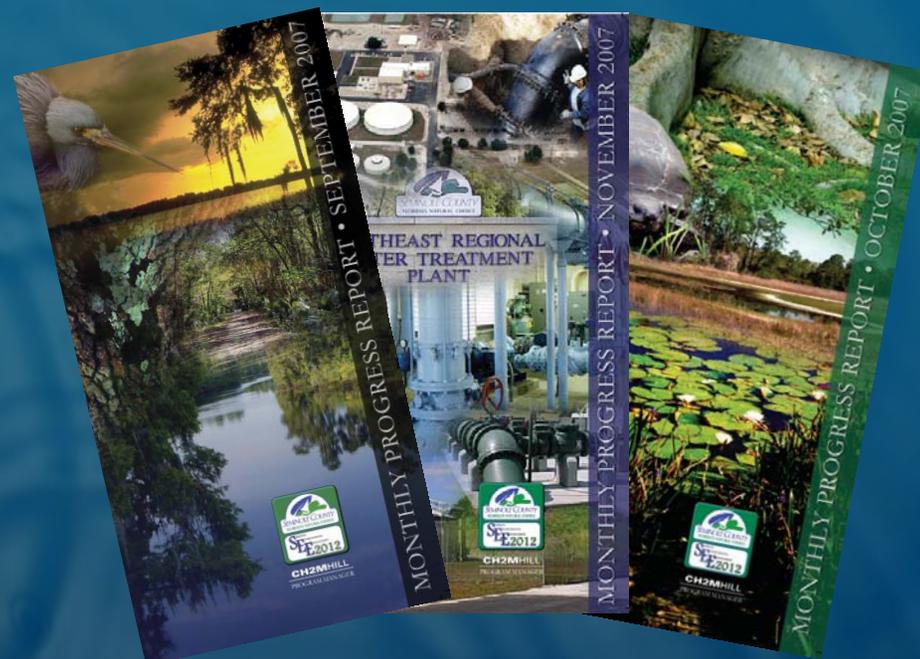
- *Dr. John Cirello*



Program Management

Program Controls

- Master Schedule
Tracks All Components of CIP Projects
 - 3,700 schedule components
- CIP Cost Data Base
Tracks All Project Scopes, Budgets and Contracts
- Document Control System Stores, Retrieves, Tracks All Project/Contract Documents (Submittals, Permits, Invoices, etc)



Program Communication

- Monthly Progress Report Now
Includes Metrics, Photos, Graphics
- Program Website Now Displays
Project Data Directly From Program Control Systems
- HOA Outreach Including Numerous Meetings & Mail Outs

Design Management



➤ All 1st Bond Funding Period Projects Have Been Started

- Design Complete: 33 Projects

- In Design: 50 Projects

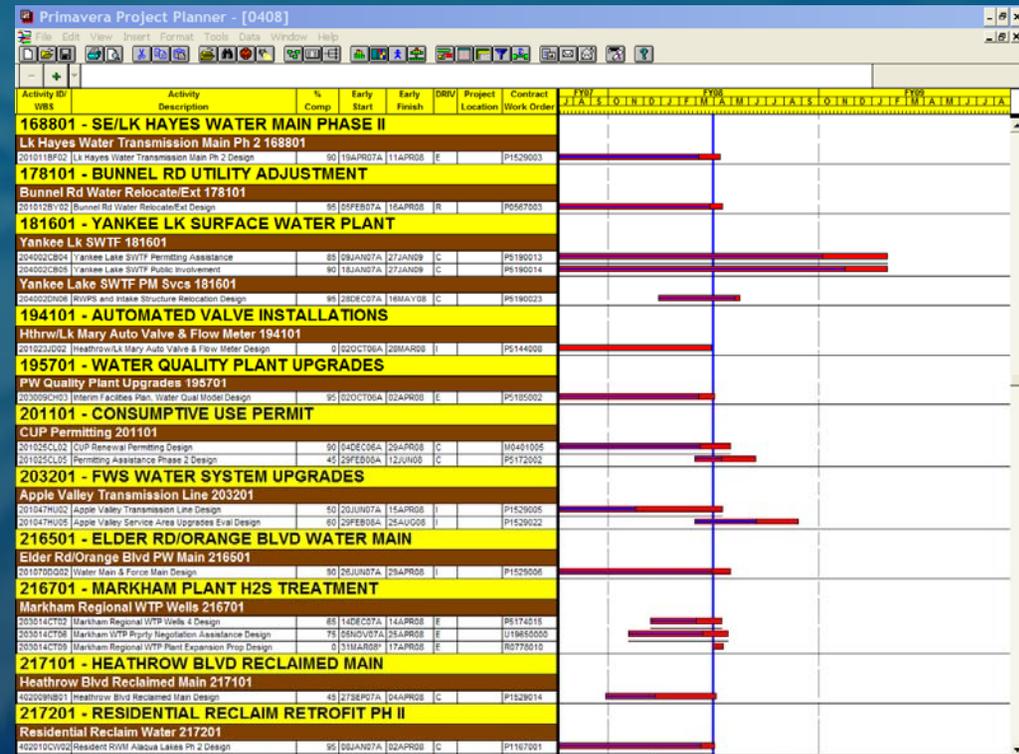
- In Planning: 25 Projects

➤ Each Project Managed By:

- County Project Manager

- Program Design Manager

- Design Consultant



➤ Workload Balanced Between 8 Design Consultants

- Over \$17M in Total Design Fees Distributed/Projected via MSA

- Recently Renewed All 8 Contracts

Construction Management

Construction Progress

- *Substantially Complete - \$ 14 million*
- *Under Construction - \$ 23 million*
- *Bid Phase - \$ 57 million (includes YL)*

Accomplished To Date

- *85,000 LF Pipe Installed*
- *3.25 Million Gallons Of New Storage For Reclaimed Water*
- *845 Residences Provided Access To Reclaimed Water Service*
- *No Recordable Safety Incidents*



Residential Reclaimed Retrofit

Phase 1

- 1st of 5 Phase Residential Retrofit Program To Provide Reclaimed Irrigation
- Cost: \$10.8M
- 845 Service Connections
 - *Magnolia Plantation*
 - *Heathrow Woods*
 - *Bridgewater*
- Substantial Completion Reached In February 2008



Outlook

- 2008 Validation
Solidified CIP Posture
in Preparation for 2nd
Revenue Bond
- High Rate of Design
Delivery on Remaining
1st Bond Period Projects Through Fall 2008
- Steady Construction Pace On 1st Bond
Period Projects Through Spring/Summer
2009



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Revalidation/Reprioritization

Annual CIP Revalidation/Reprioritization Ensures:

- *Project Scopes, Costs and Timing Continue To Meet County Needs (Regulatory/CUP, Capacity, Etc.)*
- *5-Year CIP (Thru 2011) Remains Aligned To \$332M Baseline Budget*
- *Important Preparation For The 2nd Bond Issue*

2008 Revalidation

- *Reviewed And Updated Scopes And Cost Estimates For All Projects Thru 2011 Not Yet Advertised For Construction Bid*
- *All Pipeline Routes Driven & Plants Visited; Features Photoed*

2008 Reprioritization

- *Reviewed CIP Prioritization And Adjusted As Needed To Accommodate Significant New Developments*
- *Incorporated New Master Plan Recommendations Related to CIP Through 2011*
- *Included All Projects With Designs Not Yet Begun*



Developments Since 2006

✦ Updated Wastewater & Reclaimed Master Plans (Reiss)

- *Completed July 2007*
- *Identified Significant Additional Regulatory and Reliability Improvements*
 - *e.g. Yankee Lake & Greenwood Lakes WWTFs (\$25M-\$30M)*

✦ New Water Quality Master Plan (Boyle Eng.)

- *Phase 1 (Thru 2011), Currently in Draft*
 - *Implementation of Ozone Treatment Technology to Eliminate Taste & Odor and for Future EPA Regulatory Compliance (\$35M)*
- *Phase 2 (2012-2025), Currently Underway*



Revalidation Results

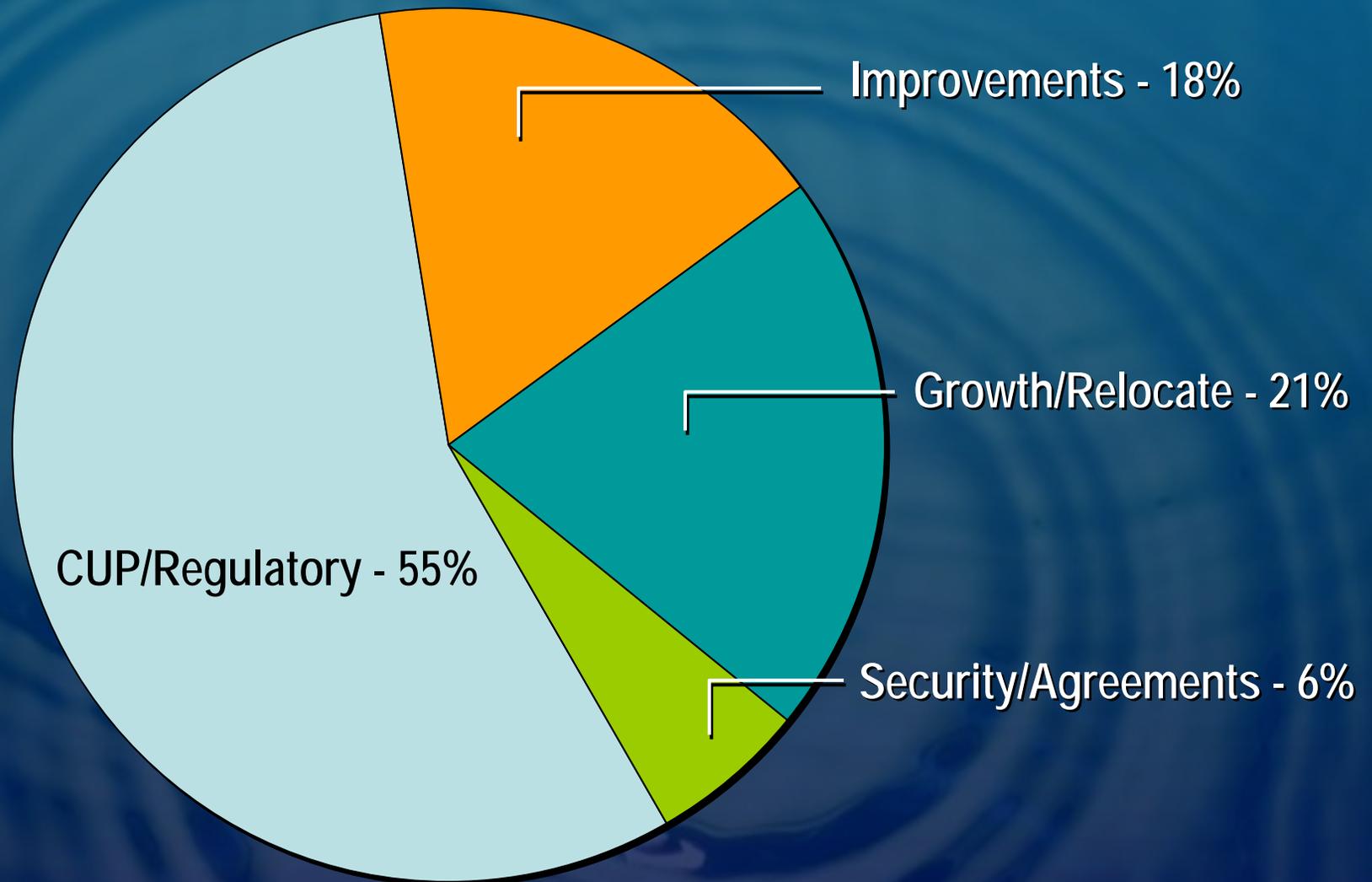
- ▶ Revalidated CIP Requirements Thru 2011 \$332M
 - *On Track w/Original CIP Baseline Budget*

- ▶ Projects Beyond 2011 (\$45M)
 - *SER / WTF Upgrade (w/Ozone Conversion) (\$25.2M / 2012)*
 - *Lynwood WTF Upgrade (w/Ozone Conversion) (\$10.2M / 2013)*
 - *Public Works Support Projects (\$9.3M)*

 - *Continued Master Plan Updates*
 - *Pending Final Distribution System Modeling*
 - *Collection System Analysis*
 - *Results Will Be Included In Next Semi-Annual Briefing*

Updated CIP Funding Drivers

No major changes in Program
Purpose and Intent from 2006



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2nd Bond Issue Projects

- ▶ 2009-2011 Capital Improvement Program
 - \$127M
- ▶ Key Projects:
 - *Water Treatment Plants*
 - *Markham WTP (w/Ozone Conversion) (\$23M / 2009)*
 - *Residential Reclaimed Retrofits*
 - *Phases 3 – 5 (\$21M / 2009 – 2011)*
 - *Waste Water Plants & Mains*
 - *Greenwood Lakes WRF (\$16M / 2009)*
 - *SR46 Force Main (\$10M / 2009)*



2nd Bond Issue

- ▶ Program Funding Strategy Remains On Track
- ▶ Initial Phase Of Project Funding At \$156M Approaching Full Allocation
- ▶ Phase II Project Needs Remain At \$90M
- ▶ Projects In The 2012 And 2013 Budget Years Currently Total \$45M Based On Master Plan Updates



BCC Consensus Items

- ▶ SCESD seeks BCC consensus on
 - *Program 2008 Validation*
 - *Commencement of 2nd Bond Issue at \$90M*



15 min BREAK

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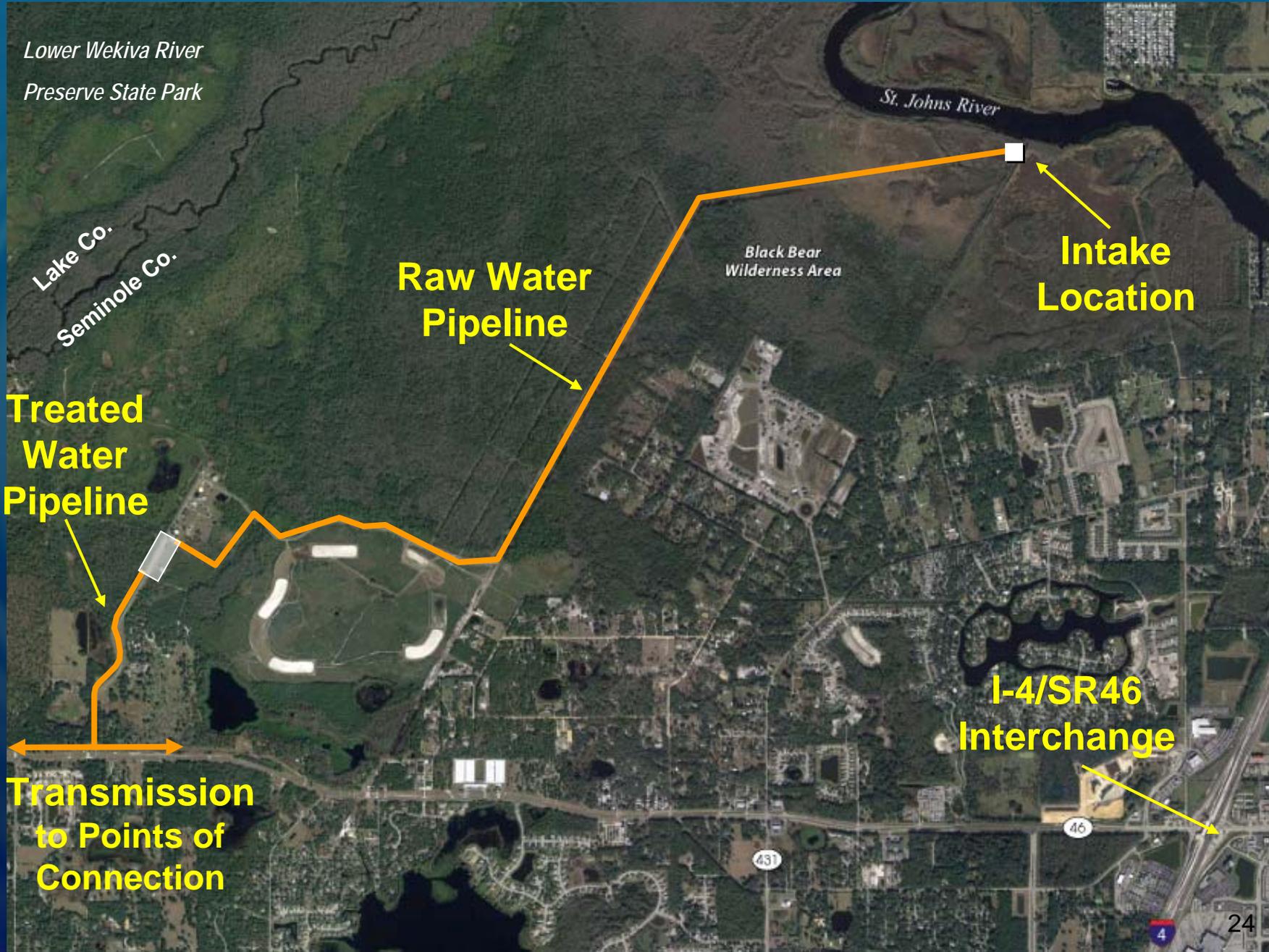
Project Description

Project Objectives

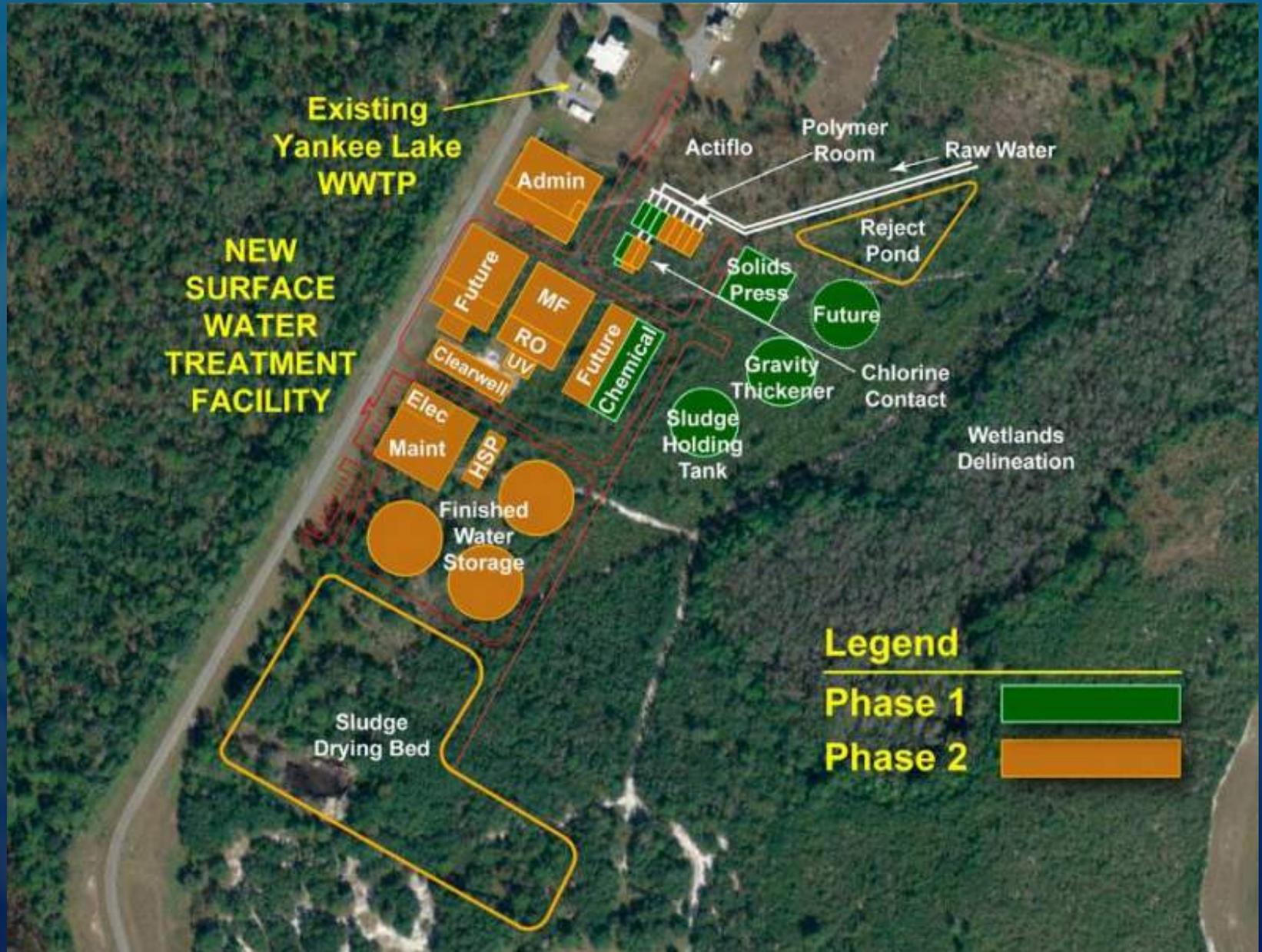
- Address requirements for alternative water supply conversion by 2013
- Leverage Yankee Lake plant site for regional water supply benefit
- Achieve economies of scale benefiting all regional participants
- Facilitate environmentally sustainable economic development
- Seminole County assets and investments conveying regional benefits



Project Location

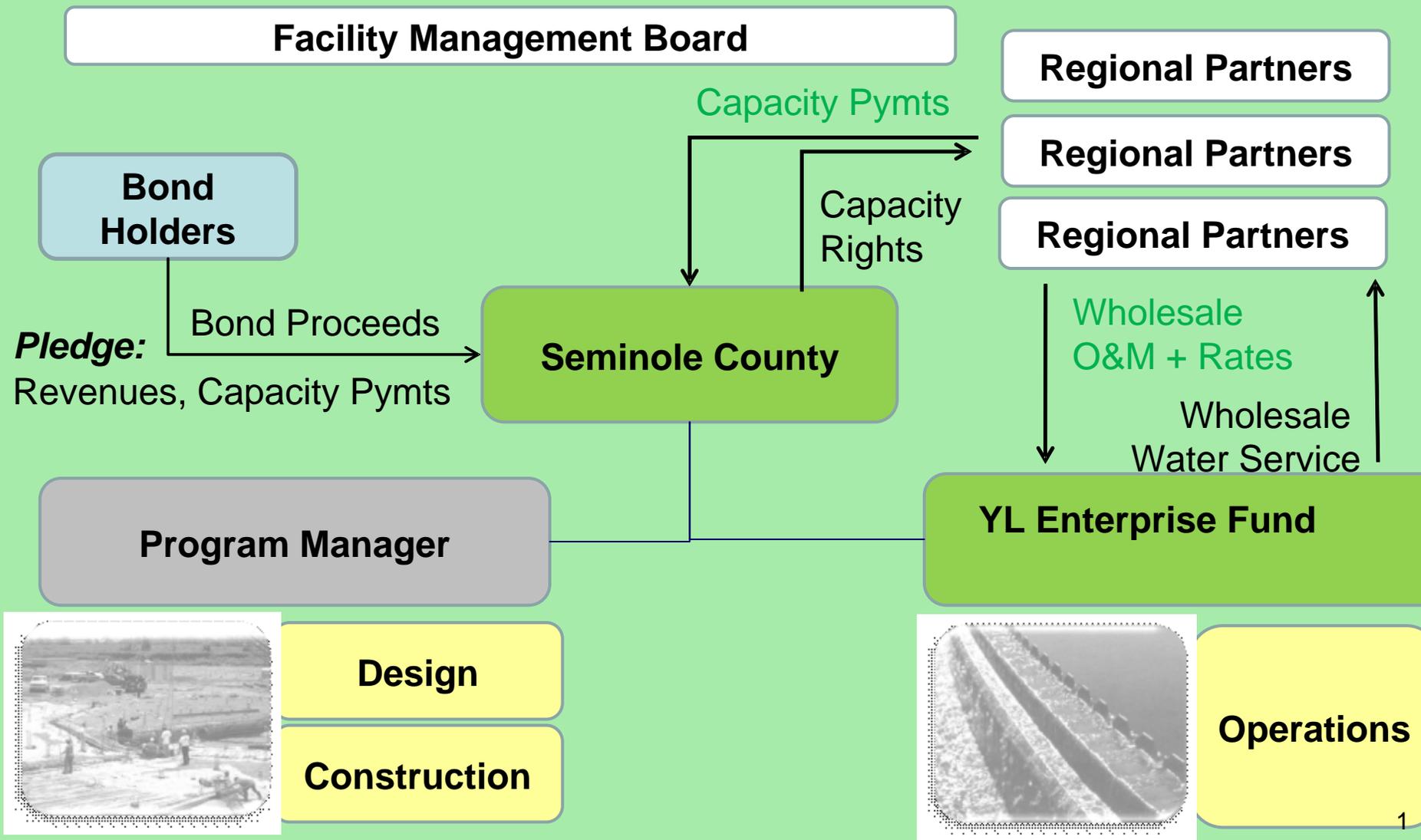


Current and Future Site Plans





Yankee Lake RWWTF Proposed Deal Structure



Project Status

- Have conducted 15 co-operator/manager meetings (biweekly) since August 2007
- Have covered governance, plant capacity, technology, and plant phasing
- Developed a strategic financial planning model to determine partner water rates
- Develop draft capacity rights contract structure
- Phase 1 (County only) Facility CUP TSR issued
 - *Re-bid January 2009*



Project Development to Date

Project Timeline



12 Yankee Lake Cooperator's Meetings
and 3 Managers Meetings

Aug 2007

Sep

Oct

Nov

Feb
2008

Mar

Sep

Oct

Nov

Dec

Feb



Governance

Water
Rates

Capacity
Rights

Water Quality
&
Transmission

Project Returns
& Water Use
Efficiency



Financial Modeling



CUP Permitting Advocacy

Proposed *Governance & Partnership*

☛ Facility Management Board

- *Responsible for oversight of operations, CIP*

☛ Board of County Commissioner's confirm/deny Facilities Management Board actions

- *Subject to compliance with bond covenants and regulations*

☛ Water sales & permitting:

- *30 year Consumptive Use Permits*
- *30 year 'Take or Pay' contracts (Base load)*

☛ Capacity Rights

- *Payments tailored to Partner's financial position*



Non-Binding Letter of Intent

As of April 2008



| Capacity Partner | 2036 Potable Delivery (MGD) |
|----------------------------|------------------------------------|
| City of Eustis | 3.00 |
| City of Mount Dora | 2.00 |
| Orlando Utility Commission | 10.00 |
| Aqua | 1.35 |
| Sanford | 1.00 |
| Longwood | 1.00 |
| Seminole County | 10.00 |
| DeLand | 9.00 |
| Winter Park | 4.00 |
| Oviedo | 1.00 |
| Apopka | 7.00 |
| Orange City | 3.00 |
| Maitland | 0.38 |
| Volusia County | 7.50 |
| <i>Deltona</i> | 20.00 |
| Lake Mary | 0.39 |
| Total | 80.62 |

Project development will convey significant benefits to Seminole

- Address alternative water supply needs
- Leverage value of County assets
- Support environmentally sustainable economic development
- Earn project development returns from contributed capital investments
- Secure financing of \$400 - \$800 million in water infrastructure



– **Seminole County ownership**





Project development risks and risk mitigation strategies

Project Risks

Risk Mitigation Strategies

Project financing

**Enterprise Fund
Insured Debt**

Water supply contracting

**'Take or Pay'
Term > Debt Period**

CUP permitting

**Capacity
Reservation Fee**

Design / construction

**Program Mgmt
High Water Quality**

System operations

**FMB Oversight
Financial Policies**

Seminole County contributions provide basis for returns and fees

✦ Land values

- *Plant site, easements, any other contributed property*

✦ Project Development cost estimates:

- *Permitting*
- *Contract development and financial planning*
- *Project financing*
- *Transmission Master Planning & Cost Estimates*

✦ Preliminary Designs

- *WTF Phase I*
- *Transmission system network (in County) – Phase I*

✦ SCRWTF@YL Project Components

- *Raw Water Intake*
- *High Service Transmission*



Project Returns & Fees

Initial Scenario Return Rates

Project Development Returns & Administrative / Mgmt Fees

| | | | |
|--|--------------|---|--------------|
| Return on Initial Equity (%) | 5.00% | Escalation Factor on Returns | 4.00% |
| Return on WTF Development (%) | 3.00% | Administrative/Management Fee - Fixed O&M Mgmt Fee (%) | 2.00% |
| Return on Transmission Development (%) | 4.00% | Administrative/Management Fee - Variable O&M Mgmt Fee (%) | 2.00% |

✦ Basis for return determination:

- *Risks*
- *Opportunity costs*
- *Market returns*



Return & Fee Impacts

Scenarios 1 & 2:

- Admin Fees escalating from approx \$750K/yr
- Returns escalating from approx \$2.4 million/yr
 - \$60 million cost basis

Rate impacts:

- Short-term – None
- Longer-term – impact funds available for rate stabilization and/or R&R

| Administrative/Management Fees | | Returns - Cost Basis & Rate of Return | | | Total Admin Fees & Returns |
|--------------------------------|-----------------------|---------------------------------------|---------------------------|------------------------------|----------------------------|
| Fixed O&M 2.00% | Variable O&M 2.00% | Project Development 5.00% | W/F Plant Assets 3.00% | Transmission Assets 4.00% | |
| \$203,972 | | \$20,000,000 | \$20,000,000 | \$20,000,000 | |
| \$208,972 | \$62,314 | \$1,000,000 | \$60,000 | \$80,000 | \$3,146,170 |
| \$213,972 | \$63,910 | \$1,000,000 | \$64,000 | \$82,000 | \$3,289,882 |
| \$218,972 | \$65,154 | \$1,000,000 | \$67,918 | \$85,280 | \$3,458,450 |
| \$224,037 | \$67,183 | \$1,000,000 | \$70,915 | \$88,891 | \$3,650,036 |
| \$229,138 | \$69,078 | \$1,000,000 | \$74,000 | \$92,720 | \$3,865,464 |
| \$234,273 | \$70,843 | \$1,000,000 | \$77,175 | \$96,775 | \$4,104,590 |
| \$239,443 | \$72,583 | \$1,000,000 | \$80,440 | \$101,050 | \$4,367,470 |
| \$244,648 | \$74,293 | \$1,000,000 | \$83,800 | \$105,525 | \$4,654,950 |
| \$249,888 | \$75,978 | \$1,000,000 | \$87,250 | \$110,100 | \$4,968,100 |
| \$255,163 | \$77,633 | \$1,000,000 | \$90,790 | \$114,775 | \$5,307,975 |
| \$260,473 | \$79,253 | \$1,000,000 | \$94,420 | \$119,550 | \$5,675,650 |
| \$265,818 | \$80,833 | \$1,000,000 | \$98,140 | \$124,425 | \$6,072,175 |
| \$271,198 | \$82,378 | \$1,000,000 | \$101,950 | \$129,400 | \$6,498,700 |
| \$276,613 | \$83,883 | \$1,000,000 | \$105,840 | \$134,475 | \$6,956,275 |
| \$282,063 | \$85,343 | \$1,000,000 | \$109,810 | \$139,650 | \$7,445,950 |
| \$287,548 | \$86,753 | \$1,000,000 | \$113,860 | \$144,925 | \$7,968,775 |
| \$293,068 | \$88,118 | \$1,000,000 | \$117,990 | \$150,300 | \$8,525,800 |
| \$298,623 | \$89,533 | \$1,000,000 | \$122,200 | \$155,775 | \$9,118,175 |
| \$304,213 | \$90,993 | \$1,000,000 | \$126,490 | \$161,350 | \$9,747,000 |
| \$309,838 | \$92,493 | \$1,000,000 | \$130,860 | \$167,025 | \$10,413,175 |
| \$315,498 | \$94,028 | \$1,000,000 | \$135,310 | \$172,800 | \$11,117,800 |
| \$321,193 | \$95,593 | \$1,000,000 | \$139,840 | \$178,675 | \$11,861,075 |
| \$326,923 | \$97,183 | \$1,000,000 | \$144,450 | \$184,650 | \$12,644,100 |
| \$332,688 | \$98,793 | \$1,000,000 | \$149,140 | \$190,725 | \$13,467,875 |
| \$338,488 | \$100,423 | \$1,000,000 | \$153,910 | \$196,900 | \$14,333,500 |
| \$344,323 | \$102,073 | \$1,000,000 | \$158,760 | \$203,175 | \$15,242,075 |
| \$350,193 | \$103,743 | \$1,000,000 | \$163,690 | \$209,550 | \$16,194,700 |
| \$356,098 | \$105,433 | \$1,000,000 | \$168,700 | \$216,025 | \$17,192,375 |
| \$362,038 | \$107,143 | \$1,000,000 | \$173,790 | \$222,600 | \$18,236,100 |
| \$368,013 | \$108,863 | \$1,000,000 | \$178,960 | \$229,275 | \$19,325,875 |
| \$374,023 | \$110,603 | \$1,000,000 | \$184,210 | \$236,050 | \$20,461,700 |
| \$380,068 | \$112,363 | \$1,000,000 | \$189,540 | \$242,925 | \$21,644,575 |
| \$386,148 | \$114,133 | \$1,000,000 | \$194,950 | \$249,900 | \$22,875,500 |
| \$392,263 | \$115,913 | \$1,000,000 | \$200,440 | \$256,975 | \$24,155,575 |
| \$398,413 | \$117,703 | \$1,000,000 | \$206,010 | \$264,150 | \$25,485,800 |
| \$404,598 | \$119,503 | \$1,000,000 | \$211,660 | \$271,425 | \$26,867,175 |
| \$410,818 | \$121,313 | \$1,000,000 | \$217,390 | \$278,800 | \$28,299,700 |
| \$417,073 | \$123,133 | \$1,000,000 | \$223,190 | \$286,275 | \$29,784,375 |
| \$423,363 | \$124,963 | \$1,000,000 | \$229,060 | \$293,850 | \$31,322,100 |
| \$429,688 | \$126,803 | \$1,000,000 | \$234,990 | \$301,525 | \$32,913,875 |
| \$436,048 | \$128,653 | \$1,000,000 | \$241,000 | \$309,300 | \$34,560,700 |
| \$442,443 | \$130,513 | \$1,000,000 | \$247,080 | \$317,175 | \$36,264,575 |
| \$448,873 | \$132,383 | \$1,000,000 | \$253,230 | \$325,150 | \$38,026,500 |
| \$455,338 | \$134,263 | \$1,000,000 | \$259,450 | \$333,225 | \$39,847,575 |
| \$461,838 | \$136,153 | \$1,000,000 | \$265,740 | \$341,400 | \$41,729,800 |
| \$468,373 | \$138,053 | \$1,000,000 | \$272,100 | \$349,675 | \$43,674,175 |
| \$474,943 | \$139,963 | \$1,000,000 | \$278,530 | \$358,050 | \$45,682,700 |
| \$481,548 | \$141,883 | \$1,000,000 | \$285,030 | \$366,525 | \$47,756,375 |
| \$488,188 | \$143,813 | \$1,000,000 | \$291,600 | \$375,100 | \$49,896,200 |
| \$494,863 | \$145,753 | \$1,000,000 | \$298,240 | \$383,775 | \$52,103,275 |
| \$501,573 | \$147,703 | \$1,000,000 | \$304,950 | \$392,550 | \$54,378,500 |
| \$508,318 | \$149,663 | \$1,000,000 | \$311,730 | \$401,425 | \$56,722,875 |
| \$515,098 | \$151,633 | \$1,000,000 | \$318,580 | \$410,400 | \$59,137,300 |
| \$521,913 | \$153,613 | \$1,000,000 | \$325,490 | \$419,475 | \$61,622,775 |
| \$528,763 | \$155,603 | \$1,000,000 | \$332,460 | \$428,650 | \$64,180,300 |
| \$535,648 | \$157,603 | \$1,000,000 | \$339,490 | \$437,925 | \$66,810,875 |
| \$542,568 | \$159,613 | \$1,000,000 | \$346,580 | \$447,300 | \$69,514,500 |
| \$549,523 | \$161,633 | \$1,000,000 | \$353,730 | \$456,775 | \$72,292,175 |
| \$556,513 | \$163,663 | \$1,000,000 | \$360,940 | \$466,350 | \$75,144,900 |
| \$563,538 | \$165,703 | \$1,000,000 | \$368,210 | \$476,025 | \$78,072,675 |
| \$570,598 | \$167,753 | \$1,000,000 | \$375,540 | \$485,800 | \$81,076,500 |
| \$577,693 | \$169,813 | \$1,000,000 | \$382,930 | \$495,675 | \$84,156,375 |
| \$584,823 | \$171,883 | \$1,000,000 | \$390,380 | \$505,650 | \$87,313,300 |
| \$591,988 | \$173,963 | \$1,000,000 | \$397,890 | \$515,725 | \$90,548,375 |
| \$599,188 | \$176,053 | \$1,000,000 | \$405,460 | \$525,900 | \$93,862,500 |
| \$606,423 | \$178,153 | \$1,000,000 | \$413,090 | \$536,175 | \$97,255,675 |
| \$613,693 | \$180,263 | \$1,000,000 | \$420,780 | \$546,550 | \$100,728,900 |
| \$621,003 | \$182,383 | \$1,000,000 | \$428,530 | \$557,025 | \$104,282,275 |
| \$628,353 | \$184,513 | \$1,000,000 | \$436,340 | \$567,600 | \$107,916,800 |
| \$635,743 | \$186,653 | \$1,000,000 | \$444,210 | \$578,275 | \$111,632,475 |
| \$643,173 | \$188,803 | \$1,000,000 | \$452,140 | \$589,050 | \$115,430,300 |
| \$650,643 | \$190,963 | \$1,000,000 | \$460,130 | \$599,925 | \$119,311,275 |
| \$658,153 | \$193,133 | \$1,000,000 | \$468,180 | \$610,900 | \$123,275,500 |
| \$665,703 | \$195,313 | \$1,000,000 | \$476,290 | \$621,975 | \$127,323,175 |
| \$673,293 | \$197,503 | \$1,000,000 | \$484,460 | \$633,150 | \$131,455,300 |
| \$680,923 | \$199,703 | \$1,000,000 | \$492,690 | \$644,425 | \$135,672,875 |
| \$688,593 | \$201,913 | \$1,000,000 | \$500,980 | \$655,800 | \$140,076,700 |
| \$696,303 | \$204,133 | \$1,000,000 | \$509,330 | \$667,275 | \$144,667,775 |
| \$704,053 | \$206,363 | \$1,000,000 | \$517,740 | \$678,850 | \$149,347,100 |
| \$711,843 | \$208,603 | \$1,000,000 | \$526,210 | \$690,525 | \$154,115,275 |
| \$719,673 | \$210,853 | \$1,000,000 | \$534,740 | \$702,300 | \$159,073,300 |
| \$727,543 | \$213,113 | \$1,000,000 | \$543,330 | \$714,175 | \$164,222,175 |
| \$735,453 | \$215,383 | \$1,000,000 | \$551,980 | \$726,150 | \$169,562,800 |
| \$743,403 | \$217,663 | \$1,000,000 | \$560,690 | \$738,225 | \$175,095,175 |
| \$751,393 | \$219,953 | \$1,000,000 | \$569,460 | \$750,400 | \$180,819,300 |
| \$759,423 | \$222,253 | \$1,000,000 | \$578,290 | \$762,675 | \$186,735,175 |
| \$767,493 | \$224,563 | \$1,000,000 | \$587,180 | \$775,050 | \$192,843,700 |
| \$775,603 | \$226,883 | \$1,000,000 | \$596,130 | \$787,525 | \$199,145,075 |
| \$783,753 | \$229,213 | \$1,000,000 | \$605,140 | \$802,100 | \$205,642,300 |
| \$791,943 | \$231,553 | \$1,000,000 | \$614,210 | \$816,775 | \$212,336,375 |
| \$800,173 | \$233,903 | \$1,000,000 | \$623,340 | \$831,550 | \$219,228,300 |
| \$808,443 | \$236,263 | \$1,000,000 | \$632,530 | \$846,425 | \$226,319,175 |
| \$816,753 | \$238,633 | \$1,000,000 | \$641,780 | \$861,400 | \$233,610,000 |
| \$825,103 | \$241,013 | \$1,000,000 | \$651,090 | \$876,475 | \$241,101,875 |
| \$833,493 | \$243,403 | \$1,000,000 | \$660,460 | \$891,650 | \$248,795,800 |
| \$841,923 | \$245,803 | \$1,000,000 | \$670,890 | \$906,925 | \$256,693,875 |
| \$850,393 | \$248,213 | \$1,000,000 | \$681,380 | \$922,300 | \$264,797,100 |
| \$858,903 | \$250,633 | \$1,000,000 | \$691,930 | \$937,775 | \$273,106,575 |
| \$867,453 | \$253,063 | \$1,000,000 | \$702,540 | \$953,350 | \$281,622,300 |
| \$876,043 | \$255,503 | \$1,000,000 | \$713,210 | \$969,025 | \$290,345,375 |
| \$884,673 | \$257,953 | \$1,000,000 | \$723,940 | \$984,800 | \$299,276,700 |
| \$893,343 | \$260,413 | \$1,000,000 | \$734,730 | \$1,000,675 | \$308,416,375 |
| \$902,053 | \$262,883 | \$1,000,000 | \$745,580 | \$1,016,650 | \$317,765,300 |
| \$910,803 | \$265,363 | \$1,000,000 | \$756,490 | \$1,032,725 | \$327,323,575 |
| \$919,593 | \$267,853 | \$1,000,000 | \$767,460 | \$1,048,900 | \$337,092,100 |
| \$928,423 | \$270,353 | \$1,000,000 | \$778,490 | \$1,065,175 | \$347,071,875 |
| \$937,293 | \$272,863 | \$1,000,000 | \$789,580 | \$1,081,650 | \$357,262,900 |
| \$946,203 | \$275,383 | \$1,000,000 | \$800,730 | \$1,098,325 | \$367,666,275 |
| \$955,153 | \$277,913 | \$1,000,000 | \$811,940 | \$1,115,200 | \$378,283,000 |
| \$964,143 | \$280,453 | \$1,000,000 | \$823,210 | \$1,132,275 | \$389,114,175 |
| \$973,173 | \$283,003 | \$1,000,000 | \$834,540 | \$1,149,550 | \$400,160,800 |
| \$982,243 | \$285,563 | \$1,000,000 | \$845,930 | \$1,167,025 | \$411,423,975 |
| \$991,353 | \$288,133 | \$1,000,000 | \$857,380 | \$1,184,700 | \$422,904,700 |
| \$1,000,503 | \$290,713 | \$1,000,000 | \$868,890 | \$1,202,575 | \$434,614,075 |
| \$1,009,693 | \$293,303 | \$1,000,000 | \$880,460 | \$1,220,650 | \$446,553,100 |
| \$1,018,923 | \$295,903 | \$1,000,000 | \$892,090 | \$1,238,925 | \$458,721,875 |
| \$1,028,193 | \$298,513 | \$1,000,000 | \$903,780 | \$1,257,400 | \$471,121,300 |
| \$1,037,503 | \$301,133 | \$1,000,000 | \$915,530 | \$1,276,075 | \$483,752,475 |
| \$1,046,853 | \$303,763 | \$1,000,000 | \$927,340 | \$1,294,950 | \$496,616,400 |
| \$1,056,243 | \$306,403 | \$1,000,000 | \$939,210 | \$1,314,025 | \$509,714,175 |
| \$1,065,673 | \$309,053 | \$1,000,000 | \$951,140 | \$1,333,300 | \$523,046,800 |
| \$1,075,143 | \$311,713 | \$1,000,000 | \$963,130 | \$1,352,775 | \$536,615,375 |
| \$1,084,653 | \$314,383 | \$1,000,000 | \$975,180 | \$1,372,450 | \$550,421,800 |
| \$1,094,203 | \$317,063 | \$1,000,000 | \$987,290 | \$1,392,325 | \$564,466,175 |
| \$1,103,793 | \$319,753 | \$1,000,000 | \$1,000,460 | \$1,412,400 | \$578,749,500 |
| \$1,113,423 | \$322,453 | \$1,000,000 | \$1,013,690 | \$1,432,675 | \$593,272,775 |
| \$1,123,093 | \$325,163 | \$1,000,000 | \$1,026,980 | \$1,453,150 | \$608,037,000 |
| \$1,132,803 | \$327,883 | \$1,000,000 | \$1,040,330 | \$1,473,825 | \$623,043,275 |
| \$1,142,553 | \$330,613 | \$1,000,000 | \$1,053,740 | \$1,494,700 | \$638,291,500 |
| \$1,152,343 | \$333,353 | \$1,000,000 | \$1,067,210 | \$1,515,775 | \$653,782,775 |
| \$1,162,173 | \$336,103 | \$1,000,000 | \$1,080,740 | \$1,537,050 | \$669,518,100 |
| \$1,172,043 | \$338,863 | \$1,000,000 | \$1,094,330 | \$1,558,525 | \$685,508,575 |
| \$1,181,953 | \$341,633 | \$1,000,000 | \$1,107,980 | \$1,580,200 | \$701,754,200 |
| \$1,191,903 | \$344,413 | \$1,000,000 | \$1,121,690 | \$1,602,075 | \$718,256,075 |
| \$1,201,893 | \$347,203 | \$1,000,000 | \$1,135,460 | \$1,624,150 | \$735,015,200 |
| \$1,211,923 | \$350,003 | \$1,000,000 | \$1,149,290 | \$1,646,425 | \$752,032,775 |
| \$1,221,993 | \$352,813 | \$1,000,000 | \$1,163,180 | \$1,668,900 | \$769,309,800 |
| \$1,232,103 | \$355,633 | \$1,000,000 | \$1,177,130 | \$1,691,575 | \$786,847,375 |
| \$1,242,253 | \$358,463 | \$1,000,000 | \$1,191,140 | \$1,714,450 | \$804,646,500 |
| \$1,252,443 | \$361,303 | \$1,000,000 | \$1,205,210 | \$1,737,525 | \$822,707,275 |
| \$1,262,673 | \$364,153 | \$1,000,000 | \$1,219,340 | \$1,760,800 | \$841,030,700 |
| \$1,272,943 | \$367,013 | \$1,000,000 | \$1,233,530 | \$1,784,275 | |

Phase 2 Next Steps

- ▶ Continued bi-weekly Cooperator Meetings
 - *Develop final contract*
 - *Develop CUP strategy and schedule*
 - *Develop conveyance strategy*
 - *Develop funding strategy*
- ▶ Seminole County Lead through October
 - *Anticipate capacity reservations and final contracts by October*
 - *Need to continue contract development over summer*





Phase 2 Next Steps

- ▶ After October begin to “draw” on Capacity Reservation Fee”
 - *Permitting with RAIs*
 - *CUP*
 - *ACOE*
 - *FDEP*
 - *2-year effort concurrent with District Cumulative Impact Study*
 - *Facility Pre-design*
 - *Conveyance Pre-design*

BCC Consensus Items

- ▶ SCESD seeks BCC consensus on
 - *Phase 2 RWTF at Yankee Lake*
 - *Proposed Governance Concept with FMB*
 - *Path Forward Through Contract Development*



Program Update Agenda

Introduction

- *Dr. John Cirello, Environmental Services*

Program Status & Accomplishments

- *Drew Jeter, CH2M HILL*

2008 Revalidation/Reprioritization

- *Dennis Westrick, Environmental Services*

2nd Bond Issue

- *Bob Briggs, Environmental Services*

Yankee Lake Surface Water Plant Project, Phase 2

- *Dr. John Cirello, Matt Alvarez, CH2M HILL, Eric Rothstein*

Summary

- *Dr. John Cirello*



Summary

Program Is Meeting It's Intent

- *County Is Catching-up On Infrastructure*
- *County Is Getting Ahead On Future Needs And Regionalization*
- *Identifying Out-year Needs For Sustainability*

Program Is On Track And Being Managed To The \$332M 5-Year CIP Baseline

Seminole County Well-Positioned To Leverage Economic Environment And Surface Water Leadership





Seminole County Environmental Services

Water and Sewer Capital Improvement Program Update Briefing

April 2008