FLAGLER COUNTY UTILITIES
PLANTATION BAY SYSTEM

JULY 25, 2016
WASTEWATER

• CONSENT ORDER - REJECT/REDUNDANCY

• DESIGN UNDERWAY FOR THREE PROJECTS
  • MASTER PLANT COLLECTION /PUMP STATION
  • REJECT TANK APPROX. 1 MILLION GALLONS
  • REDUNDANCY WITH NEW SEWER PLANT

• DESIGN COSTS APPROXIMATELY $630,000

• ESTIMATED CONSTRUCTION COSTS $4,000,000
  (FDEP LOAN)
WASTEWATER PROJECTS

APPROXIMATE TIMELINE 27 MONTHS+/-

• CONSULTANT SELECTION AND PLANNING COMPLETED
• 6 MONTHS DESIGN/PERMITTING*
• 3 MONTHS CONSTRUCTION BIDDING/CONTRACTING
• 18 MONTHS CONSTRUCTION
* CONCURRENT LOAN PROCESS
MINOR WASTEWATER PROJECTS

• REPLACED BLOWER AND MOTOR
• REPAIRED SAND FILTERS
• REPAIRED CLARIFIER
• ONGOING LIFT STATION REPAIRS (PUMPS/OTHER)
• HAMPSTEAD LIFT STATION SCHEDULED
• DEWATERING SLUDGEBOX ON ORDER
• WATER EFFLUENT TREATMENT IMPROVED
WASTEWATER QUESTIONS???
WATER

• WELLS AND RAW WATER QUALITY
• NEW TREATMENT PROCESS
WELLS AND RAW WATER
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TEST WELLS 5-10 TIMES POORER WATER QUALITY
WATER TREATMENT PROCESS

• ADVANCED TREATMENT PROCESS

• ESTIMATED COSTS $8 MILLION+/-
  • BASED ON TODAY’S COSTS
  • $2 MILLION GRANT AWARDED

• COSTS EST. CLEARER WITH DESIGN
WATER TREATMENT PROCESS

APPROXIMATE TIMELINE 40 MONTHS±/-

• 1.5 MONTH COMPLETION OF AGREEMENT WITH STATE
• 3 MONTHS SELECTION OF CONSULTANT
• 2.5 MONTH PLANNING PROCESS
• 12 MONTHS DESIGN/PERMITTING*
• 3 MONTHS CONSTRUCTION BIDDING/CONTRACTING
• 18 MONTHS CONSTRUCTION

* CONCURRENT GRANT LOAN PROCESS
MINOR WATER PROJECTS

• REPLACE LIME SLAKER
• REPLACED CHLORINE CONTACT CHAMBER
• REPLACED HYDRO-PNEUMATIC TANK
• UPDATED CONTROL PANEL DISCONNECTED
• REBUILT WELL PUMP NUMBER 2 (AVERAGE WELL)
• REBUILDING WELL NUMBER 1 IN THE FUTURE
• FUTURE WELL PROJECTS
WATER QUESTIONS?????