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Polk Regional  
Water Cooperative

# PRWC BOD Meeting

## Combined Projects Implementation Status Report

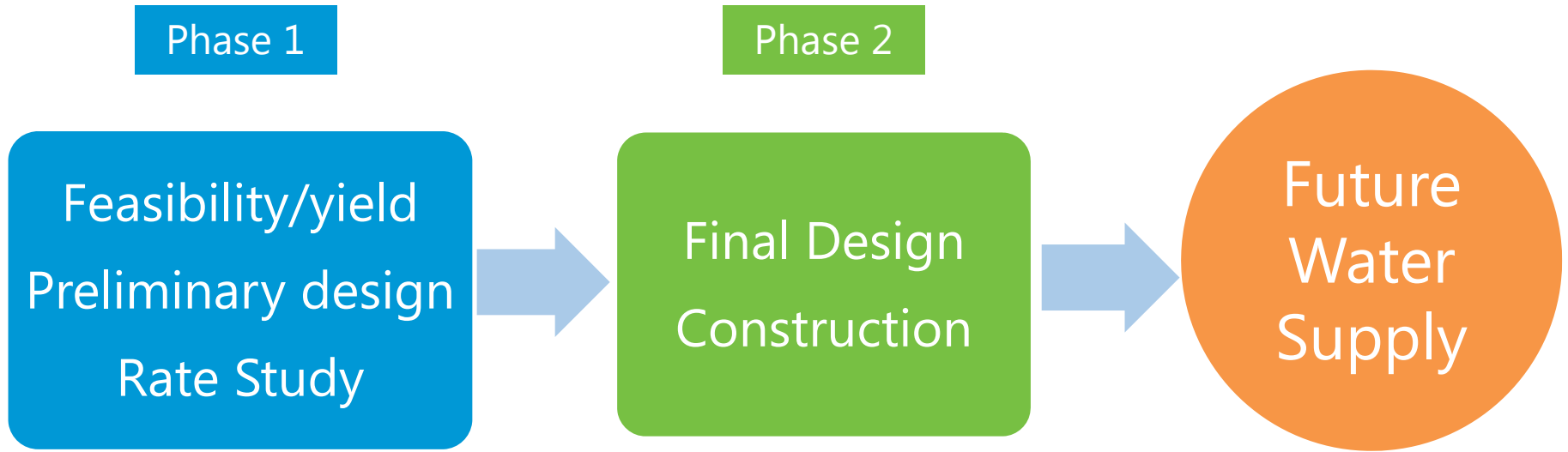
Wednesday January 17, 2018

# Combined Projects Implementation

- What is the combined projects implementation?
  - *Field investigations and engineering evaluations **to determine project yield**, preliminary design and rate analysis for:*
    - *Peace Creek Integrated Water Supply,*
    - *Southeast Wellfield, and*
    - *West Polk County Lower Floridan Aquifer Wellfield*

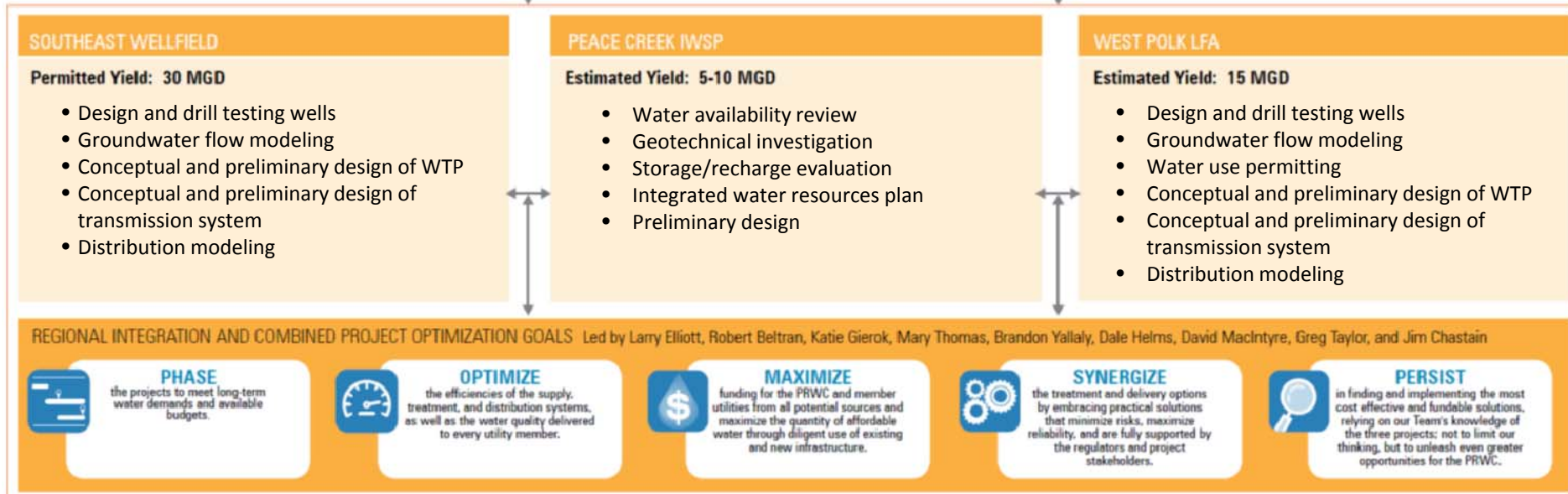
This is Phase 1 of a 2-Phase Water Supply Process

# Overall PRWC Water Supply



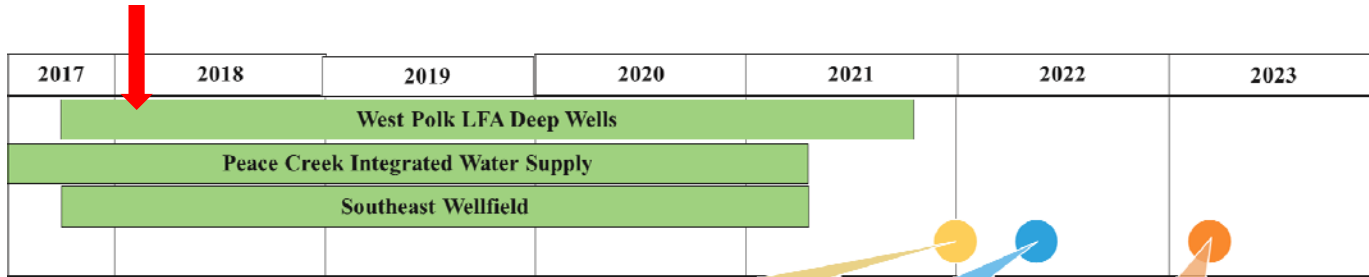
# Combined Projects Implementation

- Carollo team (a.k.a. TeamOne) Scope of Work:**



# Combined Projects Implementation

**You are here**



SWFWMD  
Project Agreements  
Expire  
December  
2021

PRWC Phase 1  
Implementation  
Agreement Expires  
May 2022

SE Wellfield WUP  
Water Production  
Deadline  
February  
2023

# Combined Projects Implementation

- **Critical path items:**

- West Polk & Southeast → Conduct hydraulic modeling to determine water routes and capacities
- West Polk & Southeast → Drill test wells and conduct aquifer performance testing to determine water quality and yield
- Peace Creek → Collect geotechnical data to determine water storage and/or recharge capacity

# Status Report – Tasks Underway

- October 18, 2017 – Carollo contract signed
- November 2017 – data collection commences
- November 2017 – test well design commences
- December 19, 2017 - Technical Advisory Committee Kickoff meeting

# Status Report – Future Tasks

- Spring 2018 – Mobilize drilling contractor
- February 2018 – Initiate hydraulic modeling
- Summer 2018 – Initiate geotechnical data collection
- Summer 2019 – complete aquifer performance testing



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## Well Drilling Costing Process

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# Drilling Contract Considerations

- ✓ Consideration #1: time is of the essence to meet cofunding and permit deadlines
- ✓ Consideration #2: budget is constrained. Drilling costs were estimated in 2015 at \$5,000,000 and included in \$22,906,001 Phase 1 budget
- ✓ Consideration #3: Florida Design Drilling performed similar work in Osceola County (C30) for SFWMD

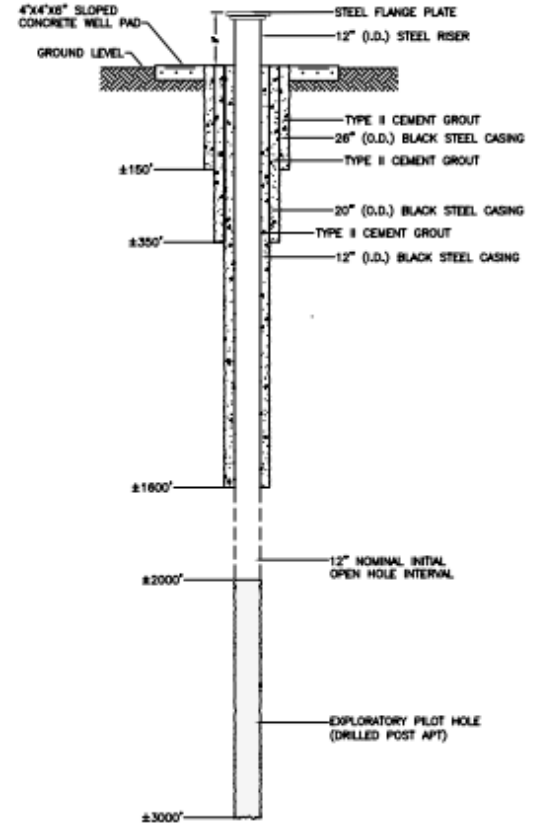
Piggy-back agreement a good solution

# What is a Piggy-back?

- A way for local governments to save time and money by attaching to a contract of another local government or state agency that has already been bid.
- Results in ease of review; contract provisions already adopted by large public agency
- Results in time savings; previously bid process
- Results in ease of cost preparation; utilize line item bid cost

# Drilling Contract Status

- **30% design complete:** required to define schedule of services:
  - West Polk Wellfield: 1 test production well, 1 LFA monitoring well, 1 SA monitoring well. UFA monitoring well exists
  - Southeast Wellfield: 1 test production well, 1 LFA monitoring well, 1 UFA monitoring well, 1 SA monitoring Well



# Drilling Contract Status

- **Engineer's estimate complete:** required to define fee
  - Used SFWMD C30 project as basis
  - Used other bid projects to support our projects
  - Result: \$5.2 million

# Drilling Contract Status

- **SFWMD Piggy-back agreement identified:** required to define terms
  - SFWMD C30 bid well drilling services similar in scope to PRWC test wells.
  - SFWMD pay items updated to meet PRWC scope needs
  - SWFWMD and FDEP/SRF have approved the use of a piggybacking contract to provide the test wells.
  - Total projects cost: \$4.8 million
  - **Total cost savings from economy of scale: ~\$400k**

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