

BOARD OF COUNTY COMMISSIONERS OF CITRUS COUNTY, FLORIDA
Citrus County Courthouse
Room 100, 110 N. Apopka Avenue, Inverness, FL 34450

AGENDA

WORKSHOP WASTEWATER TREATMENT FACILITY FEASIBILITY ANALYSIS

October 26, 2021 9:00 AM

Scott Carnahan, Chair, District 4 Ronald E. Kitchen Jr., 1st Vice Chair, District 2 Ruthie Davis Schlabach, 2nd Vice Chair, District 3 Jeff Kinnard D.C., Commissioner District 1 Holly L. Davis, Commissioner, District 5	Angela Vick, Clerk of the Circuit Court Charles R. Oliver, County Administrator Denise A. Dymond Lyn, County Attorney
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MISSION

Citrus County Government is a value-driven organization dedicated to responsive citizen service by providing quality programs, services and facilities to build a strong community and promote the best quality of life for our citizens.

All persons desiring to address the County Commission will be asked to limit their comments to the specific subject being discussed.

The Board gives citizens multiple opportunities for **PUBLIC INPUT**. All members of the public wishing to speak at the "Open To The Public" portion of a meeting will have three (3) minutes per person to make their request or presentation or five (5) minutes if they represent an organization with the appropriate documentation on file with the Clerk of Courts. If the request or presentation deals with a matter that requires investigation by County Staff, the Chairman will refer it to the County Administrator to follow-up with the person making the request.

Any person who decides to appeal any decision of the Governing Body with respect to any matter considered at this meeting will need a record of the proceedings and for such purpose may need to provide that a verbatim record of proceeding is made which record includes testimony and evidence upon which the appeal is to be based. (Section 286.0105 Florida Statutes)

Any person requiring reasonable accommodation at this meeting because of a disability or physical impairment should contact the County Administrator's Office, Lecanto Government Bldg., 3600 W. Sovereign Path, Suite 267, Lecanto, FL 34461 (352) 527-5210, TTY (352) 527-5312 at least two days before the meeting.

A. CALL TO ORDER

A.1. Invocation

A.2. Pledge of Allegiance

A.3. Roll Call

B. WORKSHOP WASTEWATER TREATMENT FEASIBILITY ANALYSIS

B.1. Conduct a Final Workshop For Wastewater Treatment Feasibility Analysis

Conduct a final workshop and staff presentation on Tuesday, October 26, 2021 at 9:00 am.

C. OPEN TO THE PUBLIC

D. UPCOMING MEETINGS

1. Regular Meeting: **November 9, 2021, at 1:00 PM**, Citrus County Courthouse, Room 100, 110 N. Apopka Avenue, Inverness, FL 34450
2. Regular Meeting: **November 30, 2021, at 1:00 PM**, Citrus County Courthouse, Room 100, 110 N. Apopka Avenue, Inverness, FL 34450
3. Regular Meeting: **December 14, 2021, at 1:00 PM**, Citrus County Courthouse, Room 100 N. Apopka Avenue, Inverness, FL 34450

E. UPCOMING WORKSHOPS AND SPECIAL MEETINGS

1. Workshop: Waterfront Setbacks, Stormwater & Variance Criteria Tuesday **November 9, 2021 at 8:00 AM**, Citrus County Courthouse, Room 100, 110 N. Apopka Avenue, Inverness, FL 34450
2. Workshop: Residential Road Resurfacing, Sales Tax & Methodology & Funding Tuesday **November 9, 2021 at 8:30 AM**, Citrus County Courthouse, Room 100, 110 N. Apopka Avenue, Inverness, FL 34450
3. Special Meeting: Universal Collection Tuesday **November 30, 2021 at 9:00 AM**, Citrus County Courthouse, Room 100, 110 N. Apopka Avenue, Inverness, FL 34450

F. ADJOURN



AGENDA MEMORANDUM

FROM:	Ken Cheek, Director, Water Resources Department
SUBJECT:	Conduct a Final Workshop For Wastewater Treatment Feasibility Analysis
AGENDA DATE:	October 26, 2021

BRIEF OVERVIEW:

It is the intent of the Department of Water Resources to conduct a final workshop and staff presentation of the Wastewater Treatment Feasibility Analysis (WWTFA) report with the BOCC members on Tuesday, October 26, 2021, 9:00 am. The presentation will include the following:

- A review of the Basin Management Action Plans
- A review of past and current project phases and associated funding (FDEP, SWFWMD and Special Assessments)
- The goal of the WWTFA
- The findings of the WWTFA

BUDGET IMPACT/FUNDING SOURCE:

Account No.	Account Title	Current Budget	YTD Expenditures	Encumbrances	Available Balance
					\$0

RECOMMENDED ACTION:

Conduct a final workshop and staff presentation on Tuesday, October 26, 2021 at 9:00 am.



Wastewater Treatment Facility Feasibility Analysis

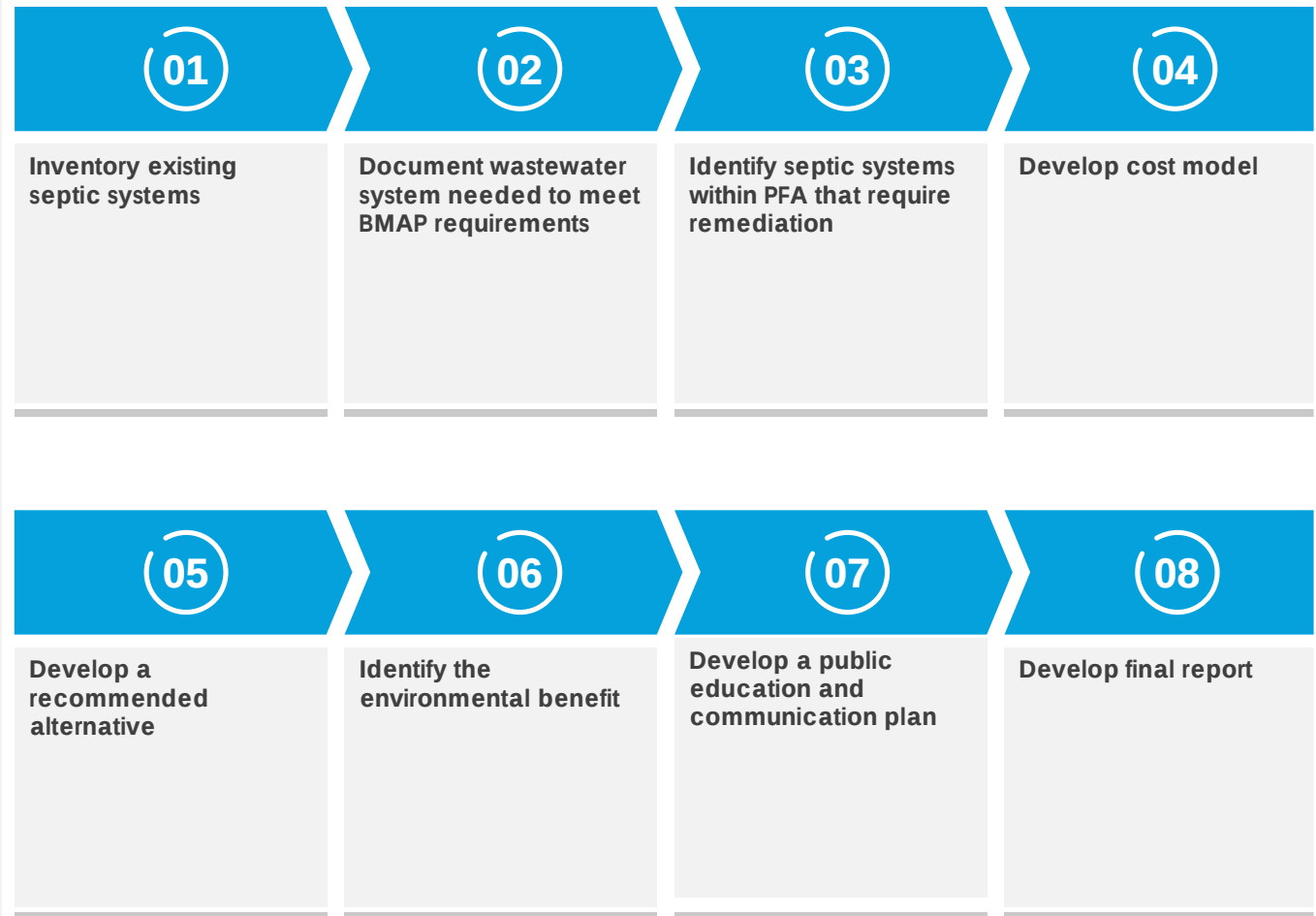


WRIGHT-PIERCE 
Engineering a Better Environment

FDEP WASTEWATER TREATMENT FEASIBILITY ANALYSIS

- Study funded by FDEP for 9 counties with Class I Outstanding Florida Springs (OFS)
- Develops roadmap to meet requirements of FDEP established TMDL and BMAP
- FDEP funding of \$500k

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PAST SEPTIC TO SEWER PROJECTS

- County started the septic to sewer remediation effort in the late 1990's
- Efforts have been focused on areas directly adjacent to impaired surface waters
- Completed projects:
 - Riverhaven Interconnection - 1999
 - Old Homosassa Sewer Forcemain
 - US 19 Sewer Expansion (Proline Boats, Futronix)
 - Halls River Road Septic to Sewer
 - Chassahowitzka Septic to Sewer - 2007
 - Anchorage WWTP Interconnection (Fort Island Trail) - 2014
 - Garcia Road Septic to Sewer - 2019
 - Islands Condos Interconnection
 - Numerous Package Plant Interconnections
- This program has garnered a significant amount of grant funding support from the State of Florida through FDEP grants, Direct Appropriations and SWFWMD Cooperative Funding.

EXPANDED EFFORT IS THE RESULT ON BMAP IMPLEMENTATION

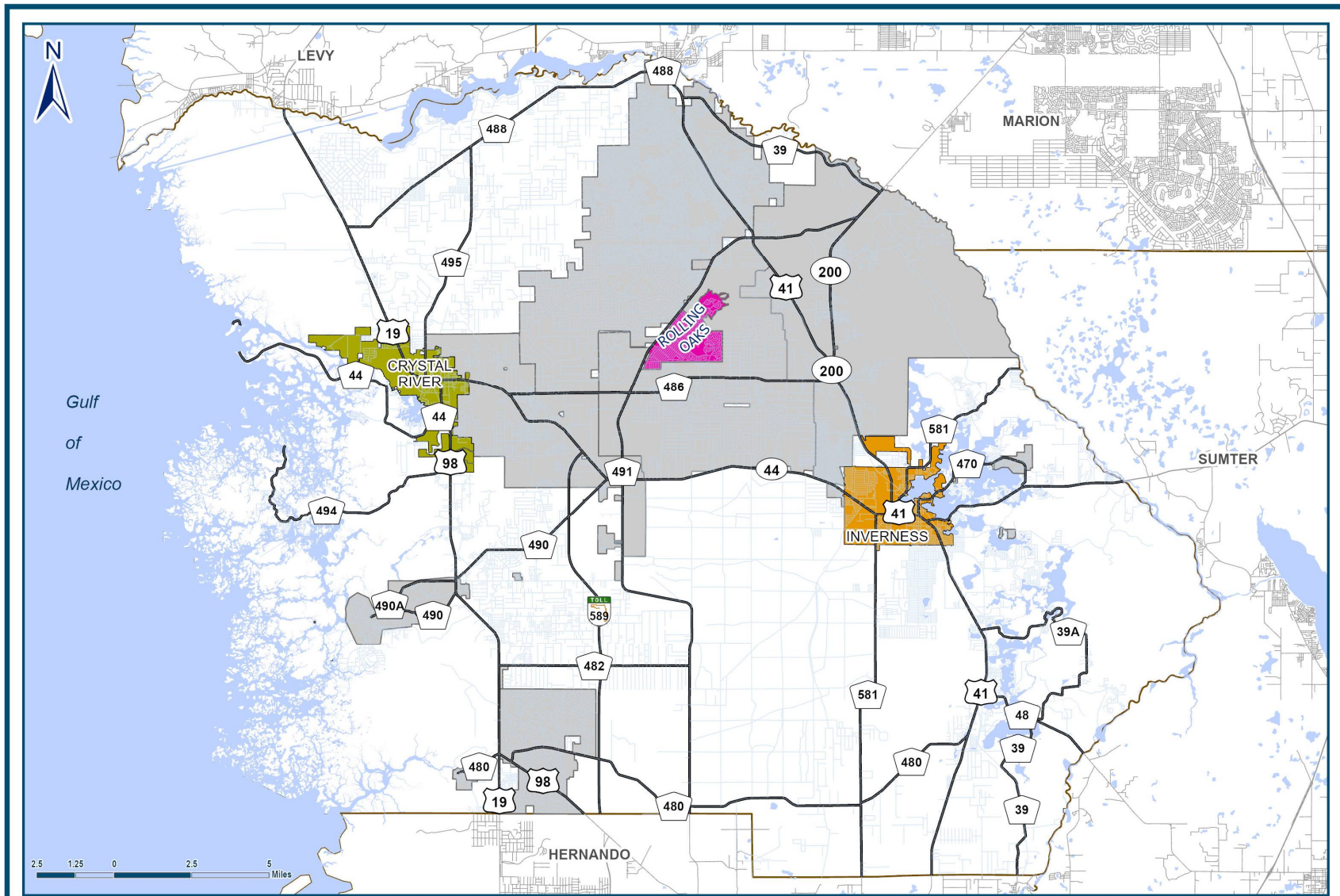
- Total Maximum Daily Loads (TMDLs) for Kings Bay, Homosassa and Chassahowitzka were completed in 20
- TMDLs identified nutrient impairments in all spring groups (nitrogen)
- Basin Management Action Plans (BMAPs) were developed by FDEP to determine nutrient sources and remediation strategies – enacted in 2019
- BMAPs determined that septic tanks were a significant source of nutrient pollution affecting the springs and that the effects were not limited to areas in close proximity to the surface waters
- BMAPs require that the County implement a 20-year plan to reduce nutrient pollution
- FDEP provided 100% funding for preparation of the plan

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ONGOING SEPTIC TO SEWER PROJECTS

- Old Homosassa West
- Old Homosassa East
- Old Homosassa Phase 5 – Blue Water Forest / Spring Cove Road
- Cambridge Greens
- Old Homosassa North

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PROJECT AREAS

Environmental scoring criteria used to develop project areas

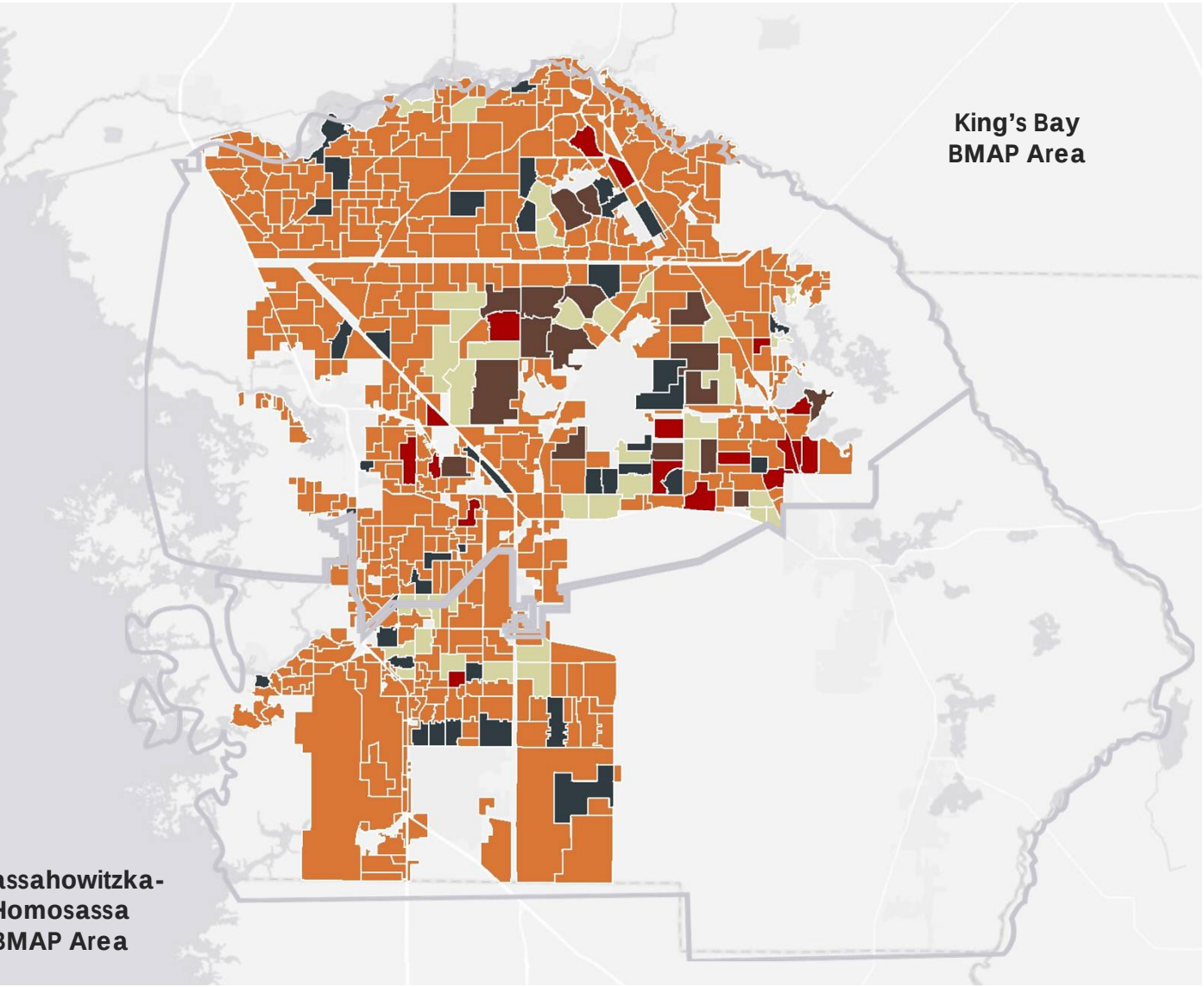
- Within the PFAs
- Nitrogen load per acre
- Average age of septic system
- Scored from least (1) to most (5) critical

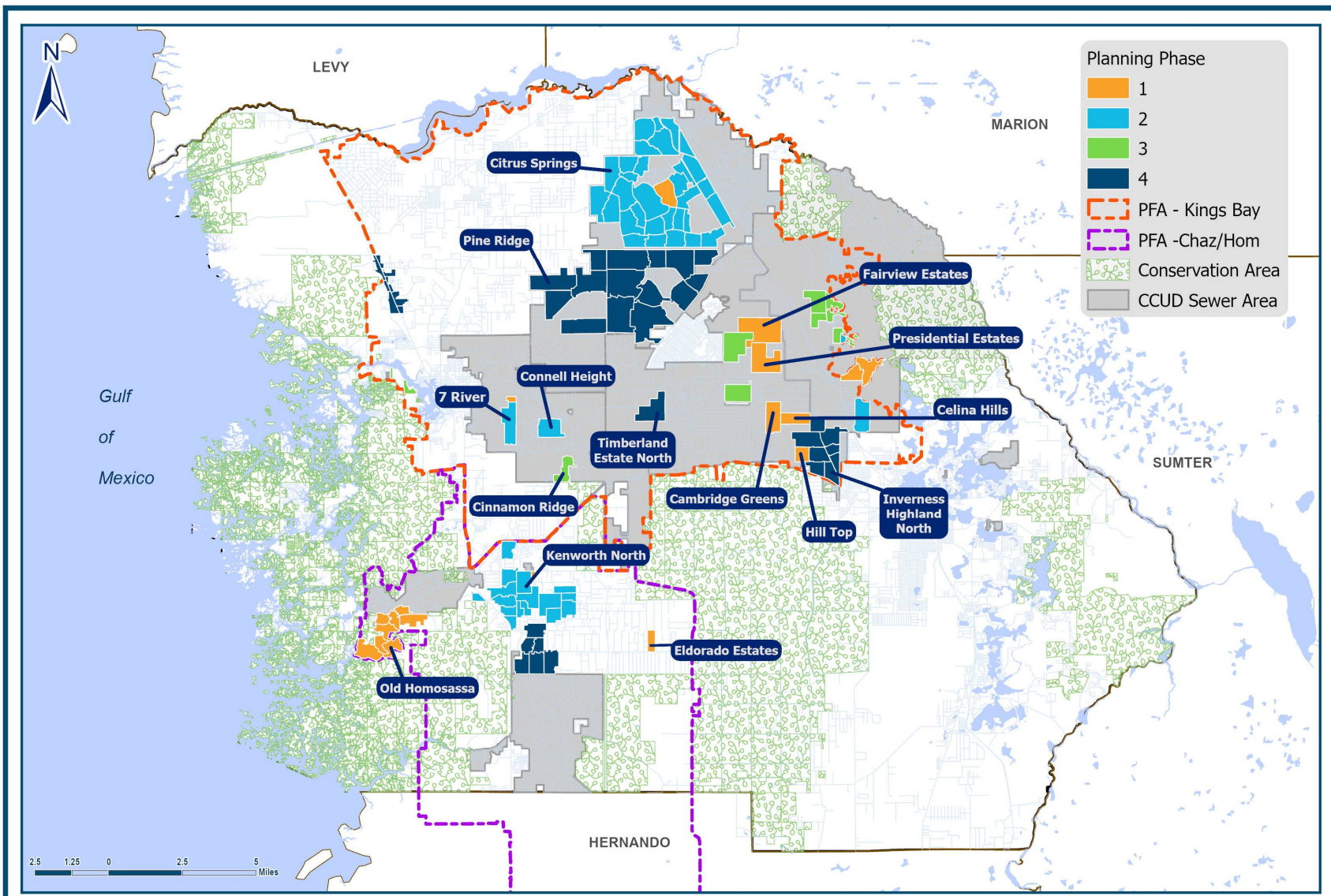
1	(488)
2	(40)
3	(35)
4	(18)
5	(17)

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Chassahowitzka-Homosassa BMAP Area

King's Bay BMAP Area





PHASE 1 PROJECTS

Project Area	Septic Tanks Eliminated	Nitrogen Credits	Construction Cost
Fairview Estates	360	2,825	\$13,606,000
Cambridge Greens	303	2,445	\$7,800,000
Hill Top	253	2,266	\$12,111,000
Citrus Springs	287	2,156	\$5,931,000
Presidential Estates	246	1,878	\$7,454,000
Parsons Point	238	1,830	\$8,767,000
Parsons Point	198	1,628	\$4,926,000
Celina Hills	185	1,549	\$6,924,000
Eldorado Estates	79	659	\$3,407,000
Sugarmill Woods East	44	409	\$2,790,000
Kenwood North	48	370	\$1,076,000
Old Homosassa (Garcia Point)	152	1,090	\$2,905,000
Old Homosassa (Downtown East)	181	797	\$9,756,000
Old Homosassa (Mason Creek)	122	723	\$5,287,000
Old Homosassa (Downtown West)	89	559	\$4,893,000
Old Homosassa (Garcia South)	86	517	\$4,067,000
Old Homosassa (Northeast)	65	474	\$3,385,000
Old Homosassa (Hancock)	61	387	\$2,980,000
Old Homosassa (Westview)	61	363	\$2,903,000
Old Homosassa Subtotal	817	4,910	\$36,176,000
Total	3,058	22,888	\$110,968,000

Note: Not in order of execution

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COSTS PER PHASE



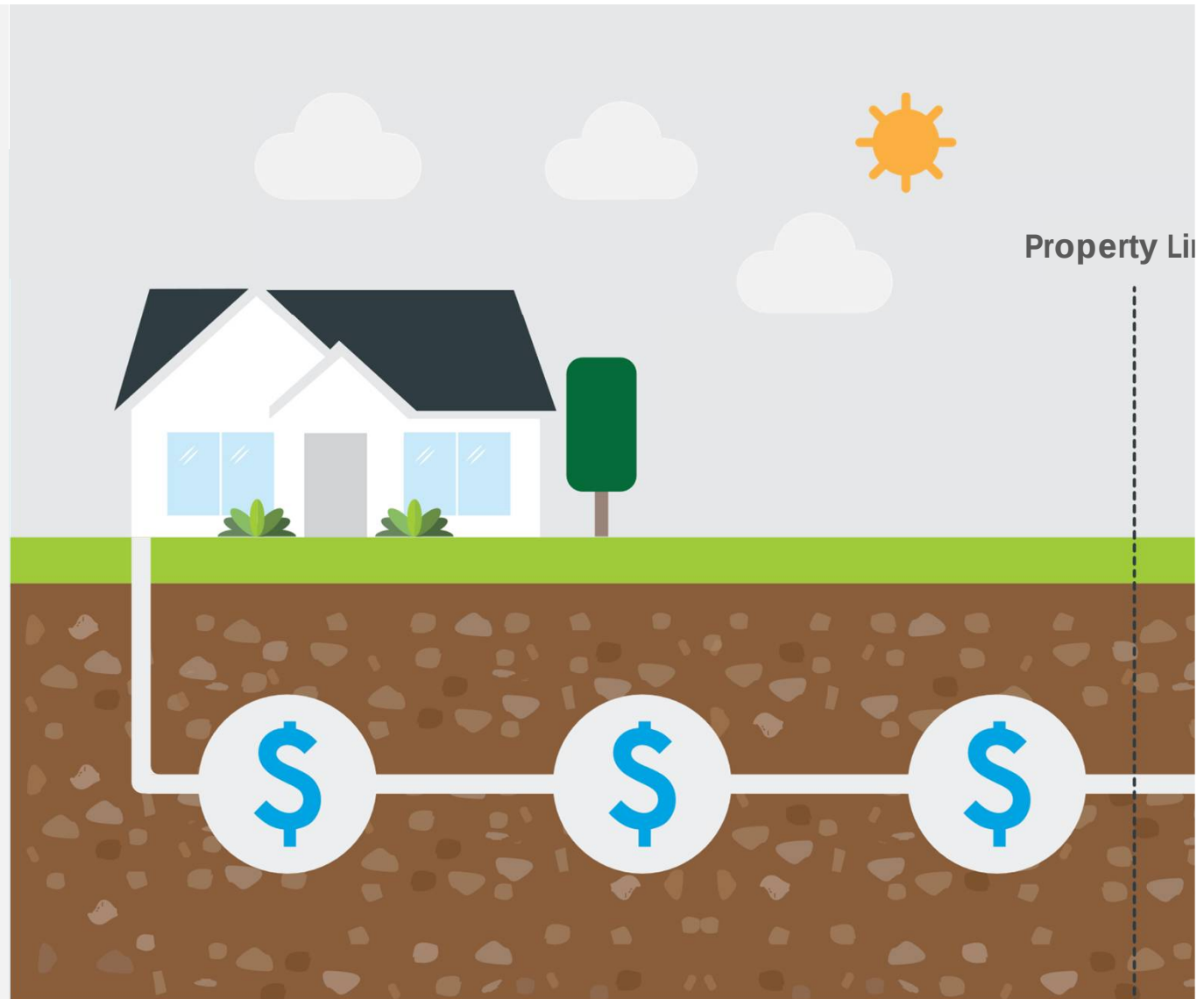
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Phase Number	Parcels	Septic Tanks Eliminated	Nitrogen Credits	Construction Costs (excluding on lot costs)
Phase 1	5,125	3,058	22,888	\$110,968,000
Phase 2	21,462	6,369	55,110	\$422,253,000
Phase 3	2,755	1,743	12,957	\$64,768,000
Phase 4	15,384	5,647	48,734	\$381,527,000
Total	44,726	16,817	139,689	\$979,516,000

OVERALL PROJECT COSTS

- Average cost per parcel in Phase 1 = \$21,652
- Average cost per septic tank removed in Phase 1 = \$36,265
- Overall project costs and the cost to each resident can be reduced through the use of grant funding
- Grants can range in value from several \$100,000 to millions of dollars

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GRANT FUNDING OPPORTUNITIES

Florida Department of Environmental Protection (FDEP)

- Springs Initiative
- Water Quality

Southwest Florida Water Management District

- Cooperative Funding Initiative

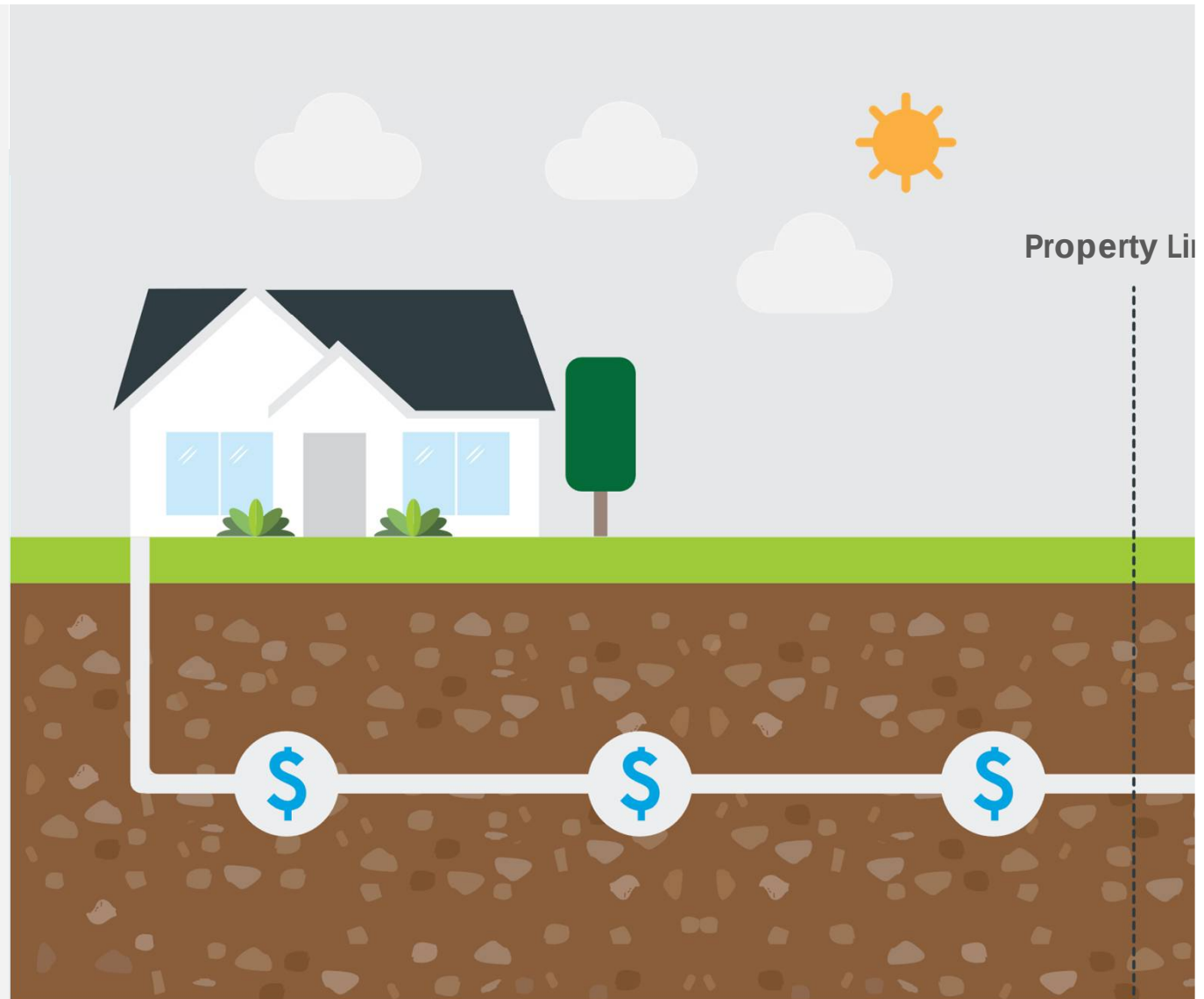
State Legislature

- Legislative Budget Request

Florida Department of Economic Opportunity (DEO)

- Community Development Block Grant

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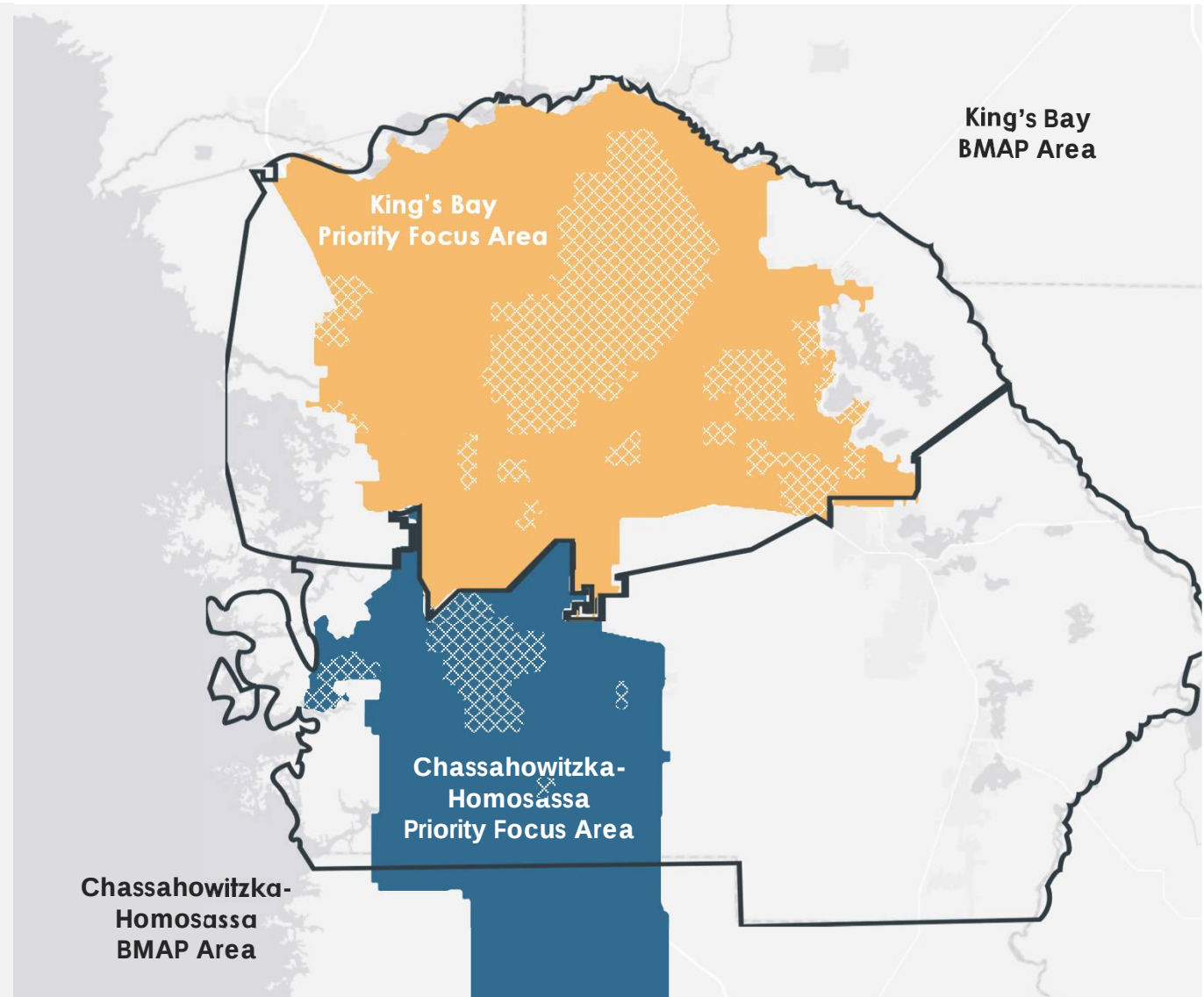


NEW SEPTIC SYSTEM REQUIREMENTS

Required per the BMAP (Basin Management Action Plan)

- Within the Priority Focus Area (PFA)
- No new traditional septic systems allowed on lots equal to or smaller than 1 acre – immediately
- When septic system repaired or replaced, advanced system required – begins in 2024

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KEY TAKEAWAYS ABOUT THE PLAN

The County will update the tentative schedule on a rolling 5-year basis. The schedule will present the proposed projects envisioned to be initiated over the next 5 years based on availability of grant funds.

To comply with the intent of the adopted BMAPs, the study presents proposed septic-to-sewer projects grouped into four five-year-long phases.

Homeowners may apply for grants to help cover costs associated with conversion to enhanced septic systems.

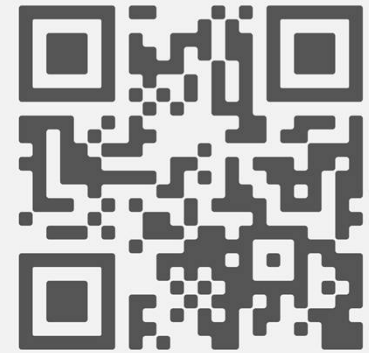


The septic-to-sewer projects are a series of projects that will allow the County to meet BMAP goals, and the implementation timeline will depend on the availability of grant funds.

Up to 75% grant funding may be required for some septic-to-sewer projects to be implemented.

The total cost of each project varies between neighborhoods based on several factors (e.g., property frontage length, presence of buried rock, depth to groundwater).

QUESTIONS?



<http://citruscountywastewatertfa.com/>