

# Coastal Georgia Regional Water Planning Council Meeting

November 15, 2022



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# Meeting Agenda



## Coastal Georgia Regional Water Council Meeting Draft Agenda – November 15, 2022

### *Objectives:*

- 1) Receive updates on on-going technical work that will support the 2021-2022 Water Plan Update Cycle
- 2) Receive updates on the Bryan County Mega Site - Including Short Term & Long Term Expected Water Needs
- 3) Receive updates from Georgia Southern University Water Dashboard Seed Grant Project
- 4) Receive updates on up-coming Regional Water Plan Update Process

10:00 – 10:15	Registration
10:15 – 10:30	Welcome and Introductions - Benjy Thompson Approve meeting minutes from July 12, 2022 Council Meeting Approve meeting agenda Review Draft Updates to Vision and Goals
10:30 – 12:00	Updates on Technical Work supporting the 2021-2022 Regional Water Plan Update Cycle <ul style="list-style-type: none"><li>- Review and Discussion of Water Demand Forecasts</li><li>- Review Results of Surface Water Resource Assessments</li><li>- Review Results of Water Quality Resource Assessments</li></ul>
12:00 – 12:30	Lunch
12:30 - 1:15	Updates on Bryan County Mega Site - Including Expected Water Needs <ul style="list-style-type: none"><li>- Short term and long term potable water needs and preliminary infrastructure plan</li><li>- Wastewater needs and preliminary infrastructure plan</li></ul>
1:15 - 1:35	Georgia Southern University Water Dashboard Seed Grant Project Update
1:35 - 1:45	Overview of Regional Water Plan Update Process and Schedule Moving Forward
1:45 – 2:00	Public Comments/Local Elected Official Comments Next Steps / Wrap Up
2:00	Adjourn



# Welcome and Introductions



# Coastal Georgia Region – Vision and Goals

- **We reviewed the Vision and Goals with the council back in February 2022**
- **We then held a virtual meeting in April 2022 with a workgroup comprised of council members**
- **The consensus of that council workgroup was to keep the Vision “as is” but make some refinements to the goals as noted on the next couple of slides**





# Coastal Georgia Region

**Council's Vision** (as adopted by the Council 9.24.09 and renewed 3.10.2016):

***The Coastal Georgia Regional Water Planning Council seeks to conserve and manage our water resources in order to sustain and enhance our unique coastal environment and economy of Coastal Georgia.***



**Council Workgroup met on April 26, 2022 – Suggested No Edits to Vision**



# Coastal Georgia Region Vision and Goals

## Coastal Georgia Adopted Goals:

- *Manage and develop high quality water resources to sustainably and reliably meet domestic, commercial, industrial and agricultural water needs.*
- *Identify fiscally responsible and implementable opportunities to maximize existing and future supplies including promoting water conservation and reuse.*
- *Optimize existing water and wastewater infrastructure, including identifying opportunities to implement regional water and wastewater facilities.*
- *Protect and maintain regional recreation, ecosystems, and cultural and historic resources that are water dependent to enhance the quality of life of our current and future citizens and help support tourism and commercial activities.*

**Council Workgroup met on April 26, 2022 – Suggested No Edits to these Goals**



# Coastal Georgia Region Vision and Goals

## Coastal Georgia Proposed Edits to Goals:

- *Identify and utilize best available science and data and apply principles of various scientific disciplines when making water resource management decisions.*
- *Identify opportunities to manage stormwater to improve water quantity and quality, while providing for wise land management, wetland protection, **and fisheries and** wildlife sustainability.*

Council Workgroup met on April 26, 2022 – Suggested Edits to these Goals are Noted on this slide



# Coastal Georgia Region Vision and Goals

Coastal Georgia Two Newly Proposed Goals:

- ***Actively outreach to stakeholders to encourage awareness, collaboration and implementation of the regional water plan.***
- ***Identify opportunities to prepare for and respond to climate variability and extremes as it relates to water resources and providing resiliency***

Council Workgroup met on April 26, 2022 – Two new goals were suggested as noted on this slide





# Updates on Technical Work supporting the 2021-2022 Regional Water Plan Update Cycle



- Review and Discussion of Water Demand Forecasts
- Review Results of Surface Water Resource Assessments
- Review Results of Water Quality Resource Assessments



# Review and Discussion of Water Demand Forecasts – Report out from Council Workgroup

Below is a quick summary of the work that this workgroup and our technical team has worked on this year:

- **Feb. 2022:** Using the 2020 population projections – the gpcd's for the Coastal Region ranged from 88 to 235
- **Jun. 2022:** We were asked to look at some of the higher “outliers” (Effingham and Long) – through that work we reduced Effingham from 189.3 to 153.5 and Long from 235.3 to 204.1
- **Aug. 2022:** We started working with WUM's data – this was able to further reduce Effingham down to 122.9 and Long down to 117.8
  - The workgroup while reviewing WUM's data, wanted to know why their service areas in Camden (213 gpcd) and McIntosh (235 gpcd) seemed higher – was there an explanation?
  - The answer is yes – in Camden there was a golf course that receives water from WUM and in McIntosh a major leak was recently repaired.
  - We were able to account for the golf course use, but we didn't have info on the leak in McIntosh – therefore, we would not use WUM's data for McIntosh
- **Oct. 2022:** See latest data attached, including some “strawman” options to discuss – including some county-by-county approaches or potentially using a regional average, or weighted average





# Review and Discussion of Water Demand Forecasts – Report out from Council Workgroup

- 108.8 GPCD weighted average and incorporating data from WUM\* for adjusted GPCDs
- 112.5 GPCD weighted average of GPCDs (June 2022) not using WUM's\* data
- 123.4 GPCD, straight average of GPCDs (June 2022) not using WUM's\* data
- Individual county GPCDs (June 2022)
- Individual county WUM\* adjusted GPCDs

County	2020 Population	June 2022 GPCD	GPCD w/ Adjusted WUM *
Bryan	44,999	116.9	111.1
Bulloch	81,378	88.0	86.5
Camden	54,911	88.0	89.3
Chatham	294,904	106.0	106.1
Effingham	65,150	153.5	136.0
Glynn	84,470	119.9	120.0
Liberty	65,220	116.0	113.0
Long	16,287	204.1	144.1
McIntosh	10,982	118.6	
Straight Average		123.4	113.3
Weighted Average		112.5	108.8





# Updates on Technical Work supporting the 2021-2022 Regional Water Plan Update Cycle



- Review Results of Surface Water Resource Assessments
- Review Results of Water Quality Resource Assessments



# Lunch Break





# Bryan County Mega Site Update





# Georgia Southern University Seed Grant Update/Demo





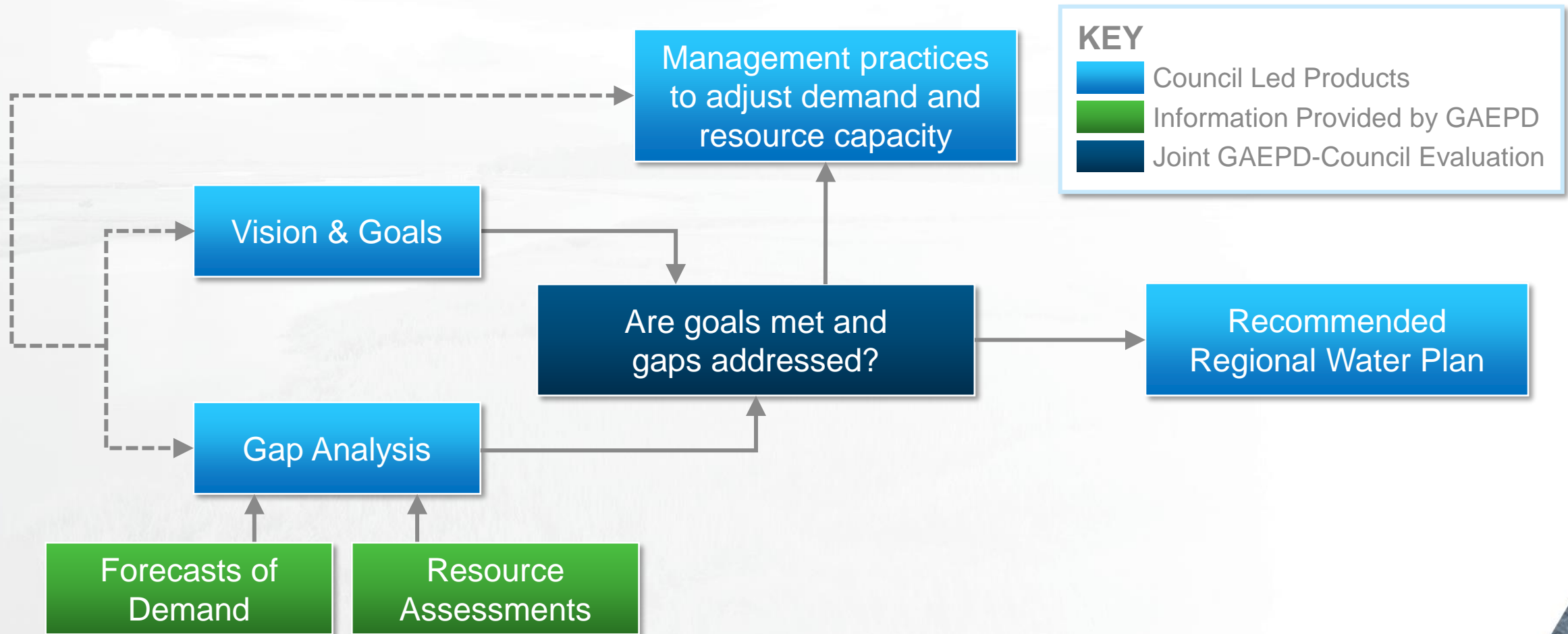
# Overview of Regional Water Plan Update Process and Schedule Moving Forward

February 24, 2022, Council Meeting





# Path Forward: Information Flow/Products



# Public Comments

February 24, 2022, Council Meeting



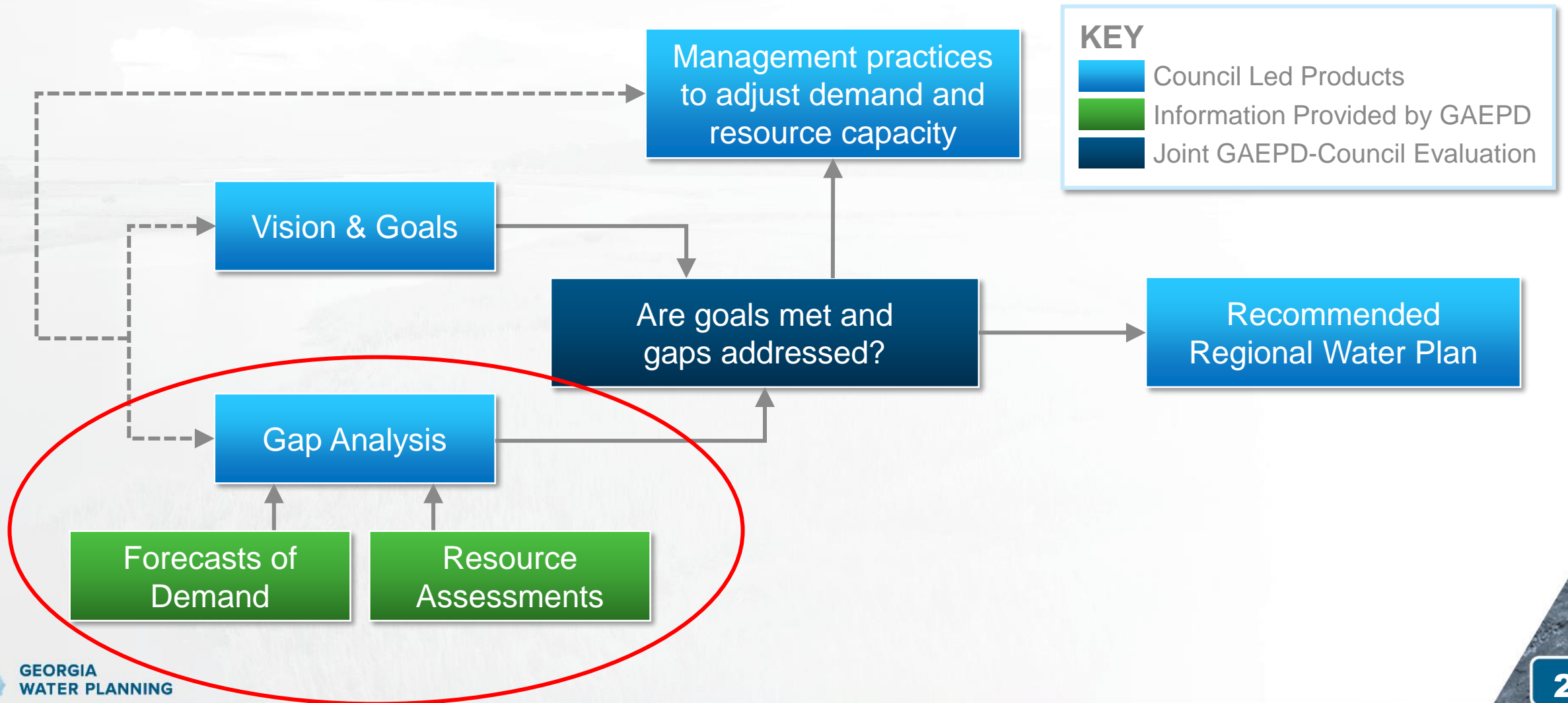


# Next Steps

February 24, 2022, Council Meeting



# Planning Process Diagram





# Regional Water Plan Update

## Regional Water Plan Review and Revision Schedule

### Meeting One

4th Quarter 2021  
July 15, 2021

### Meeting Two

1st Quarter 2022  
February 24, 2022

### Meeting Three

3rd Quarter 2022  
July 12, 2022

### Meeting Four

4th Quarter 2022  
November 15, 2022

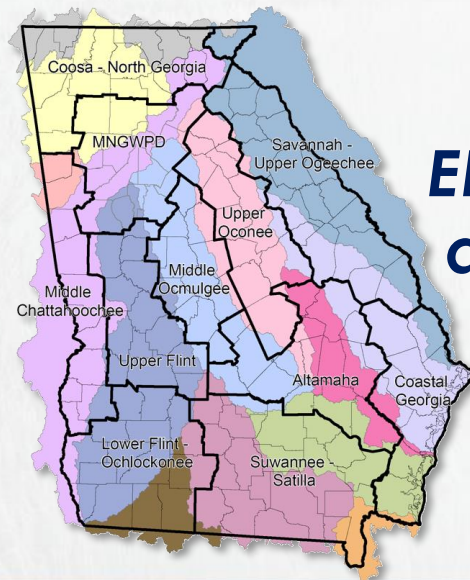
### Meeting Five

1st Quarter 2023  
Draft Plan

### Meeting Six (Final)

2nd Quarter 2023  
Incorporate  
Comments

Option to add 1 more meeting if needed  
for Review of Management Practices



***EPD targeted date of  
adoption of revised  
Regional Water Plan by  
June 2023***

# Thank You



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# Updates from EPD

February 24, 2022, Council Meeting

