

*South American Subbasin Groundwater Sustainability Plan Development*

# DECISIONS TO BE MADE FOR THE GSP

**SASb GSPWG:**

County of Sacramento

Northern Delta

Omochumne-Hartnell Water  
District

Sacramento Central Groundwater  
Authority

Sloughouse RCD

**May 14, 2021**

## Input required from GSPWG



# What we need to discuss with GSPWG

1. Sustainability Goal: qualitative description [input received]

2. Undesirable results for each indicator

- GW Levels → examples: Protection of Domestic Wells, 2015 versus aspirational [input received]
- Storage [input received]
- Surface Water Depletion → Protection of GDEs, Protection of Interconnected surface Waters [input received]
- Water Quality → Constituents - SMC, monitoring only [input received]
- Subsidence [input received]
- Seawater Intrusion [input received]

# SMC for each Indicator

## **3. Sustainable Management Criteria (minimum thresholds, measurable objectives, interim milestones)**

- GW Levels [**discussion in progress**]
- Storage [**discussion in progress**]
- Surface Water Depletion [**discussion in progress**]
- Water Quality [**input received**]
- Subsidence [**input received**]

# Monitoring Networks, Baseline Assumptions and PMAs

## 4. Monitoring Networks

- GW Levels [input received]
- ISW [input received]
- Water Quality [input received]
- GDEs (not a sustainability indicator, but a beneficial user of groundwater) [discussion in progress]

## 5. Baseline Assumptions [input received]

## 6. Projects and Management Actions

- Options for GSP
  - Groundwater Substitution Transfers [input received]
  - Recharge [input received]
  - Groundwater Banking/Accounting [input received]
  - Others [input received]
- Model Scenarios – to assess effectiveness of PMAs [discussion in progress]

# Agreements and Implementation

## 7. Inter-basin Agreements/Coordination (data sharing, communications, do no harm, ...)

Cosumnes, Yolo, Solano, NASb

Potential areas of coordination/info sharing – SMC, Stream depletion estimates, GDE identification, Monitoring [**discussions in progress**]

## 8. GSP Implementation

Governance Structure [**discussions in progress**]

Costs/Budget/Fee Structure [**discussions in progress**]



# Discussion - Questions?

Thank you!



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# GSP IMPLEMENTATION

## Preparation for Review of Draft GSP Section 5

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# SASb GSP Section 5 - Implementation

## Contents

- Elements
- Cost Estimates
- Schedule
- Funding Sources/Plans



# SASb GSP Implementation Elements

- GSA management, administration, legal
- Monitoring Network implementation
- Technical Support – CoSANA updates, SMC tracking, data analysis
- Reporting – Annual, 5-year updates
- Management Actions – see Draft Section 4
- Outreach
- Funding Plan

# Management Actions

1. Shallow/vulnerable well protection program
  - Mitigation fund for assistance to impacted well owners
  - Administration
2. Coordination Activities
  - Intra-basin (SASb GSAs) and Inter-basin (Cosumnes, NASb, etc.)
  - Project sponsors (Harvest Water, OHWD, CU participants, SAFCA)
  - Land Use agencies – GSP coordination
  - Water Supply agencies – water use efficiency
  - Sacramento County Env Mgmt Wells Program
  - RWA and others – Regional Water Bank

# GSP Implementation Costs

- Preliminary Cost Estimates are provided
- Costs are in two categories:
  - GSA specific – management, administration, legal
  - Shared among SASb GSAs – monitoring, technical support, reporting, management actions
- Basis for Preliminary Estimates – need feedback
- Need decisions regarding cost sharing, funding plans (if available)

# Discussion - Questions?

Thank you!

