



SANTA CRUZ MID-COUNTY GROUNDWATER SUSTAINABILITY PLANNING

Advisory Committee Meeting #3

Wednesday, January 24, 2018, 6:00 – 9:00 p.m.
Santa Cruz County Sheriff's Office

Welcome and Introductions

- ▣ Groundwater Sustainability Plan (GSP)
Advisory Committee
- ▣ Staff
- ▣ Public

Meeting Objectives

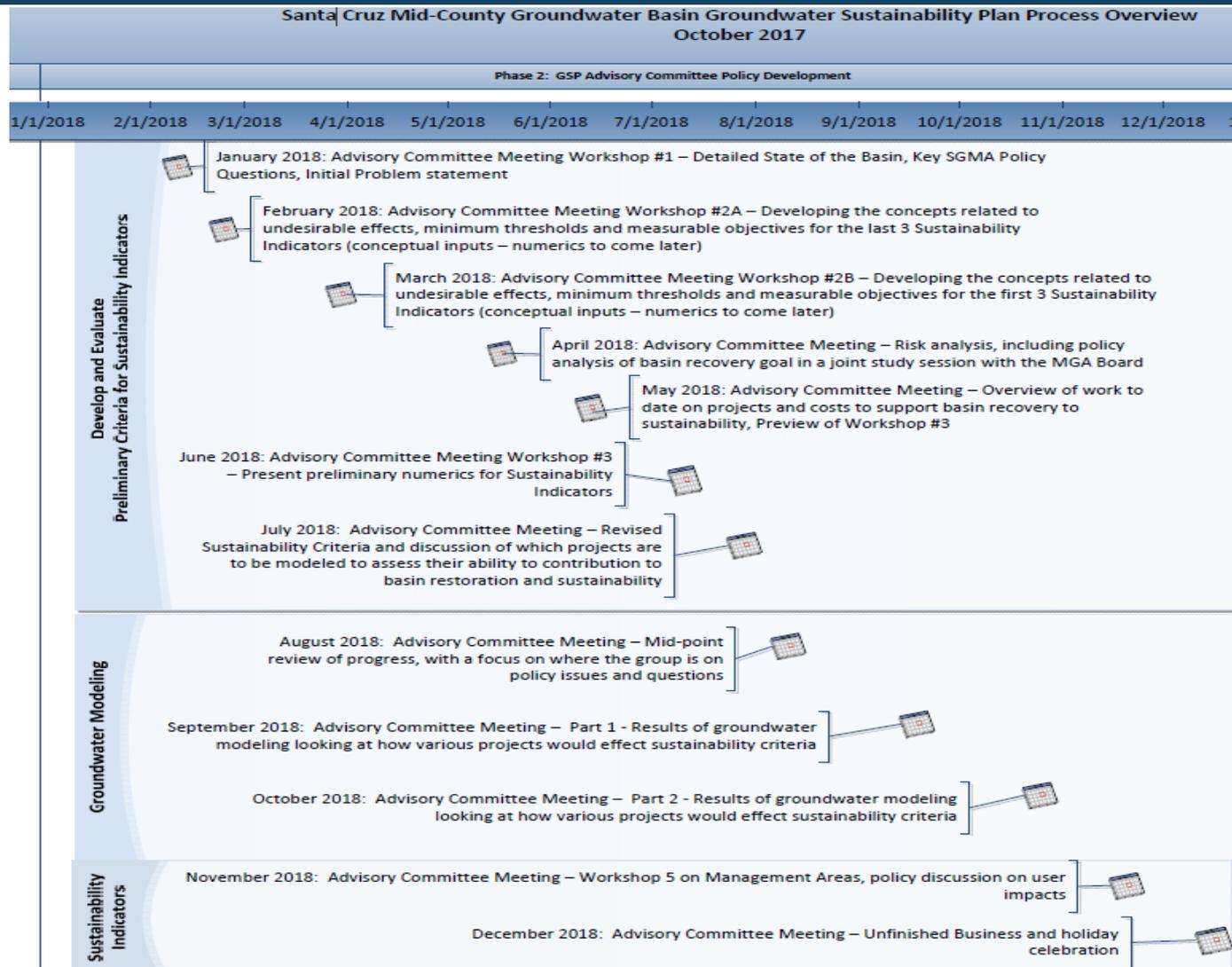
- ▣ Begin discussing initial draft GSP problem statement.
- ▣ Identify additional information needs.
- ▣ Receive orientation to initial policy questions.
- ▣ Understand the interrelationships between technical GSP sections and sustainability indicators.
- ▣ Begin discussing overarching goals of groundwater sustainability in the basin.

Agenda

- 6:00 Welcome, Introductions, Objectives and Agenda Review
- 6:20 Confirm October 25th and November 13th Advisory Committee Meeting Summaries
- 6:25 Identify Ongoing Information Needs
- 6:55 Orientation to GSP Policy Questions
- 7:15 Orientation to the Interrelationships between Technical GSP Sections and Sustainability Indicators
- 7:35 *Break*
- 7:50 Overarching Goals of Groundwater Sustainability
- 8:30 Public Comment
- 8:40 Introduction to MGA Website
- 8:55 Recap and Next Steps
- 9:00 *Adjourn*

GSP Process Timeline

GSP Process Timeline – Phase 2



Confirm

October 25 and November 13 GSP Advisory Committee Meeting Summaries



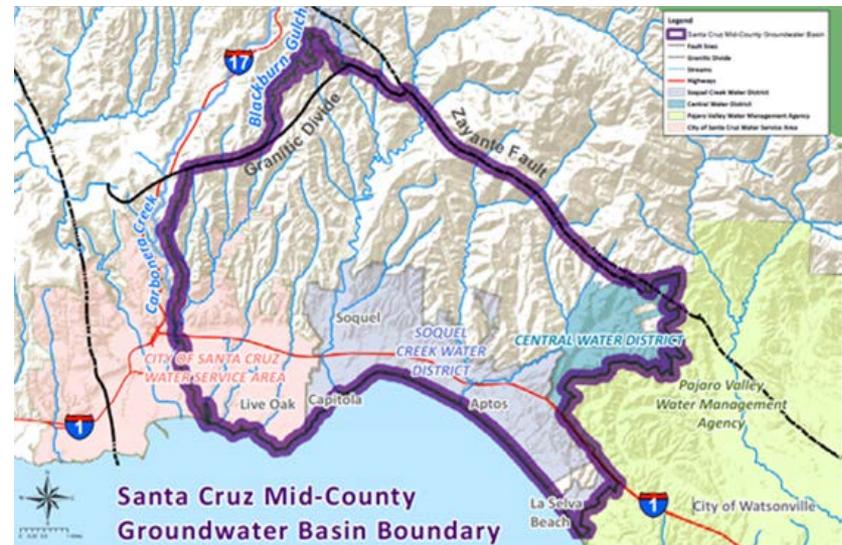
Identify Ongoing Information Needs

Initial Draft Problem Statement



MGA DRAFT Sustainability Problem Statements:

- **Our primary source of drinking water in the Mid-County Basin is groundwater.**
- **Our Basin has been in overdraft for over 30 years.**
- **Lowered groundwater levels have allowed seawater intrusion and pose the threat of more widespread saltwater contamination if left unabated.**
- **Local streams are losing water flow, which adversely impacts aquatic ecosystems.**
- **We need to ensure safe, reliable, and sufficient water resources to support our community and the natural environment.**



Orientation Sessions Highlights

Session 1: Groundwater and SGMA 101

1. Understanding fundamental hydrogeologic terms and concepts needed for Sustainable Groundwater Management Act (SGMA) and groundwater modeling
2. Understanding the background, purpose, and basics of developing a Groundwater Sustainability Plan (GSP) under SGMA

Session 2: State of Santa Cruz Mid-County Groundwater Basin

1. What the Santa Cruz Mid-County Groundwater Basin looks like
2. Understanding of historic and current Basin conditions
3. How the Basin has been managed

Session 3: A Primer on Sustainability under SGMA

1. Understand the parts of a Groundwater Sustainability Plan
2. Understand how sustainability is defined in SGMA
3. Understand the process for developing our sustainability definition

Session 4: Groundwater Modeling – A Primer for the Community

1. Provide introduction to groundwater models
2. Describe how groundwater model will be used for GSP
3. Describe model of the Mid-County Basin
4. Outline plans for simulating future groundwater management in the Mid-County Basin

Presentation

GSP Policy Questions

Rosemary Menard,
City of Santa Cruz

Presentation

Interrelationships Between Technical GSP Sections and Sustainability Indicators

Georgina King, HydroMetrics

Technical GSP Content that Informs Assessment of Sustainability Indicators

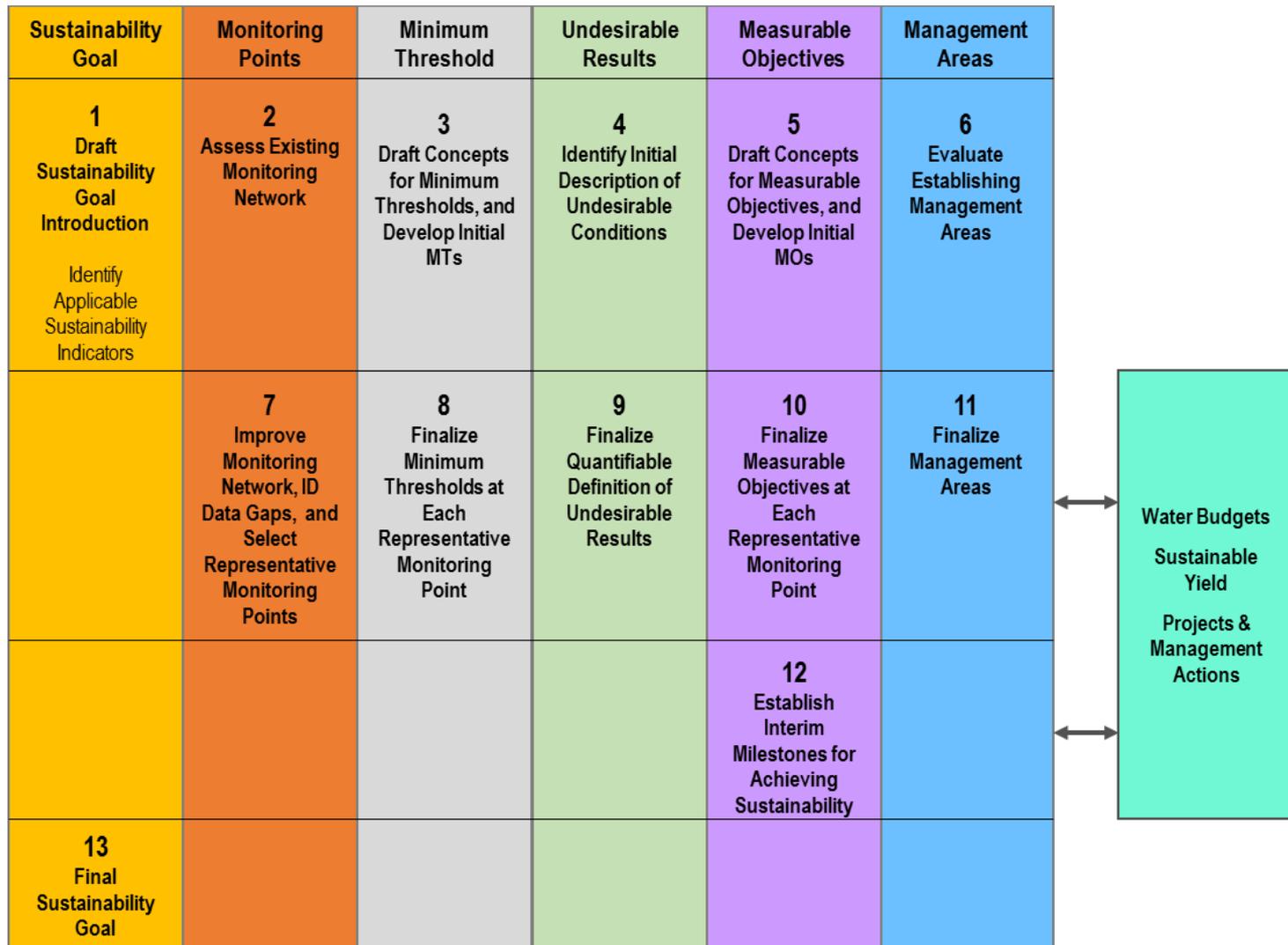
	Sustainability Indicators					
	Chronic Lowering of GW Levels	Reduction of GW Storage	Seawater Intrusion	Degraded GW Quality	Land Subsidence	Depletions of Interconnected Surface Water
Technical GSP Content						
Groundwater elevations	⇒	⇒	⇒	⇒	⇒	⇒
Estimate of groundwater storage	⇒	⇒			⇒	
Seawater intrusion conditions	⇒		⇒	⇒		
Groundwater quality issues	⇒		⇒	⇒		
Land subsidence conditions	⇒				⇒	
Identification of interconnected surface water systems						⇒
Identification of groundwater-dependent ecosystems						⇒
<i>Quantification of overdraft</i>	⇔	⇔	⇔			
<i>Estimate of sustainable yield</i>	⇔	⇔	⇔			⇔
Quantification of current, historical, and projected water budget	⇒	⇒	⇒			⇒
Establish management areas	⇒	⇒	⇒	⇒	⇒	⇒
Representative monitoring	⇒	⇒	⇒	⇒	⇒	⇒
Monitoring network	⇒	⇒	⇒	⇒	⇒	⇒

⇒ technical GSP content that inform assessment of Sustainability Indicators

⇔ GSP technical content depends on Sustainability Management Criteria in addition to informing assessment of Sustainability Indicators (also italicized)



Iterative Process for Developing Sustainable Management Criteria



Break



Overarching Goals of Groundwater Sustainability

Overarching Goals of Groundwater Sustainability

Questions to consider:

- ❖ What should the basin be in 20 years?
- ❖ What would be undesirable results?

Public Comment

Overview

Introduction to *MGA* Website

Sierra Ryan, County of Santa Cruz

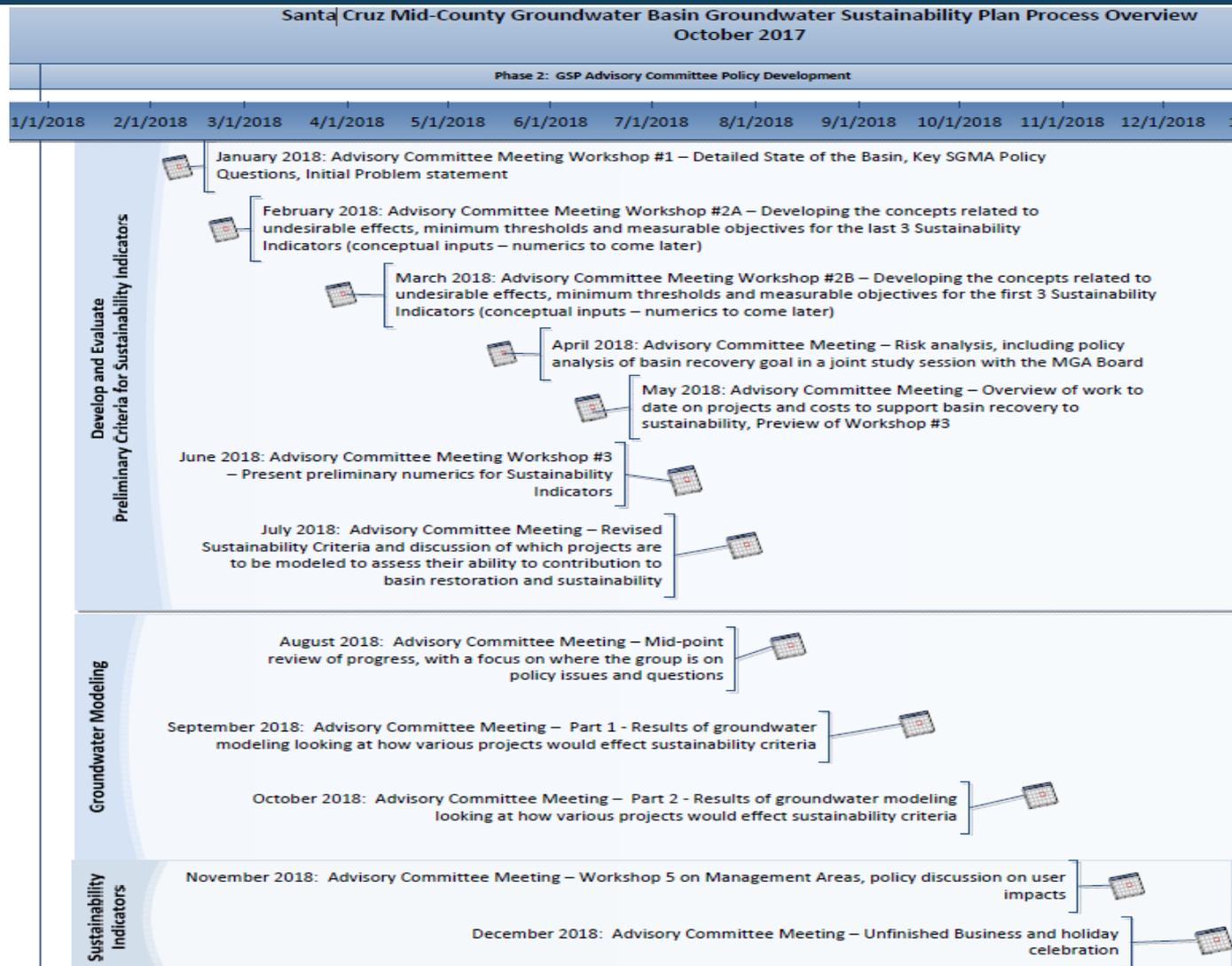
Darcy Pruitt, Regional Water Management Foundation



SANTA CRUZ MID-COUNTY GROUNDWATER AGENCY

Recap and Next Steps

GSP Process Timeline – Phase 2



Next Steps – Meetings 4-5

- Meetings 3-5 (January-March): Conceptual discussion (not numeric yet)
- Meeting 3: informational needs, problem statement, overarching goals
- Meetings 4-5:
 - ▣ State of the Basin
 - ▣ Discuss what is sustainable for the six sustainability indicators (where do we want to be in 20 years?)



THANK YOU!

FOR ANY QUESTIONS, PLEASE CONTACT:

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