



LODI CITY COUNCIL

Carnegie Forum
305 West Pine Street, Lodi

"SHIRTSLEEVE" SESSION

Date: July 16, 2019

Time: 7:00 a.m.

*and via conference call:

1311 Midvale Road
Lodi, CA 95240
&
437 E. Elm Street
Lodi, CA 95240

For information regarding this Agenda please contact:

Jennifer M. Ferraiolo
City Clerk
Telephone: (209) 333-6702

Informal Informational Meeting

A. Roll Call by City Clerk

B. Topic(s)

B-1 Receive Update on Sustainable Groundwater Management Act and Eastern San Joaquin Groundwater Authority (PW)

C. Comments by Public on Non-Agenda Items

D. Adjournment

Pursuant to Section 54954.2(a) of the Government Code of the State of California, this agenda was posted at least 72 hours in advance of the scheduled meeting at a public place freely accessible to the public 24 hours a day.

Jennifer M. Ferraiolo
City Clerk

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CITY OF LODI COUNCIL COMMUNICATION

AGENDA TITLE: Receive Update on Sustainable Groundwater Management Act and Eastern San Joaquin Groundwater Authority

MEETING DATE: July 16, 2019 (Shirtsleeve)

PREPARED BY: Public Works Director

RECOMMENDED ACTION: Receive update on Sustainable Groundwater Management Act and Eastern San Joaquin Groundwater Authority.

BACKGROUND INFORMATION: On August 29, 2014, the California Legislature passed comprehensive groundwater legislation enacting the "Sustainable Groundwater Management Act" (SGMA). Governor Brown signed the legislation on September 16, 2014 and it became effective on January 1, 2015.

SGMA requires the formation of groundwater sustainability agencies (GSA's) and the development and implementation of one or more groundwater sustainability plans (GSP's) for each groundwater basin categorized by the California Department of Water Resources as high- or medium-priority.

The Eastern San Joaquin Groundwater Authority (Authority) is a collaboration of agencies (including Lodi) within the county working to prepare a GSP in accordance with the SGMA legislation. The Authority was formed in February 2017 and has since made significant progress in preparing a GSP for the entire groundwater basin by the required submittal date of January 31, 2020.

Staff will provide an update on the completed draft GSP, including details on the framework, content, schedule, key policy issues, and next steps needed to facilitate GSP adoption. Staff will also summarize the impacts of the GSP in Lodi and discuss what sustainability in Lodi may look like moving forward.

FISCAL IMPACT: Not applicable.

FUNDING AVAILABLE: Not applicable.

Charles E. Swimley, Jr.
Public Works Director

CES/CES/tdb

APPROVED: _____
Stephen Schwabauer, City Manager

The City of Lodi
Public Works



Sustainable Groundwater Management Act &
Eastern San Joaquin Groundwater Authority
Update

July 16, 2019

Outline

- Past Council Actions / Updates
- Milestones
- Public Outreach Efforts
- Where We Are Today
- GSP Framework
- Primary GSP Goal
- GSP Content
- Sustainability Results (Specific to Lodi)
- Future Sustainability Projects
- Next Steps





Past Council Actions

- September 22, 2015 SGMA Introduction (SS)
- October 20, 2015 Follow Up Information (SS)
- August 17, 2016 MOU between City and NSJWCD – GSA Boundary Modification (RM)
- October 11, 2016 Information on Draft JPA (SS)
- April 5, 2017 Resolution Executing JPA (RM)
- February 7, 2018 Resolution Approving Cost Allocations (RM)
- April 23, 2019 SGMA Update / GSP Intro (SS)
- July 16, 2019 SGMA Update / GSP Results(SS)



Milestones

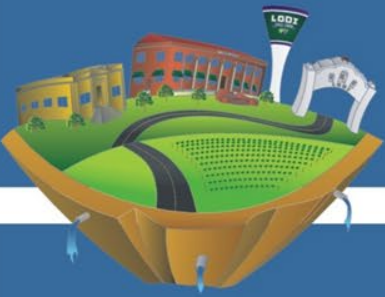
- February 8, 2017 JPA Finalized
- June 30, 2017 GSA's Formed
- February 2018 GSP Consultant Hired
- July 10 - August 25, 2019 Draft GSP Available for Public Comment Period
- January 31, 2020 GSP must be submitted to Department of Water Resources



Public Outreach Efforts

- Basin-wide informational meetings have been held quarterly, beginning August 2018.
- Additionally, we held an informational meeting at Hutchins Street Square on March 26, 2019 to reach the public in a local setting, on a smaller scale.
- The Water page on the City's website has been updated with new information on the development of SGMA as appropriate.

Where We Are Today



- The GSP has gone through one round of drafts for administrative / internal review at each GSA.
- Comments from each agency have been incorporated as was appropriate.
- The first draft of the GSP is available for public comment now, as part of the 45-day public comment period.

GSP Framework



- **Administrative Information**
 - General information, description of plan area, communications
- **Basin Setting**
 - Hydrologic Conceptual Model, groundwater conditions, water budget, management areas
- **Sustainable Management Criteria**
 - Sustainability goal, undesirable results, minimum thresholds, measurable objectives
- **Monitoring Networks**
 - Monitoring network, assessment and improvement of network, reporting and monitoring data

GSP Framework



- Projects and management actions
 - List of projects to achieve sustainability goal
- Department Evaluation and Assessment
 - Department review, evaluation criteria
- Annual Reports and Periodic Evaluations by Agency
 - 5-year evaluations by agency or when amended
- Interagency Agreements
 - Interagency agreements, interbasin agreements, coordination agreements



Primary GSP Goal

- Sustainability Indicators

- Chronic lowering of groundwater levels indicating a significant and unreasonable depletion of supply
- Significant and unreasonable reduction in groundwater storage*
- Significant and unreasonable land subsidence*
- Depletions of interconnected surface water that have significant and unreasonable adverse impacts on beneficial uses of the surface water*
- Significant and unreasonable degraded water quality
- Significant and unreasonable seawater intrusion

*These indicators have a minimum threshold defined by proxy.



GSP Content

Chapter 1: GSA Description

The City of Lodi is located northeast of the City of Stockton along Highway 99. The City relies on both groundwater and surface water to satisfy customer needs. In 2003, Lodi entered into a 40-year agreement with Woodbridge Irrigation District (WID) for up to 6,000 AF/year of Mokelumne River Water. The City of Lodi built the Lodi Surface Water Treatment Plant and associated conveyance facilities necessary to deliver this supply, which were completed and operational at the end of 2012. The City of Lodi currently provides up to 3,000 AF/year of treated wastewater to agricultural land in the vicinity of the wastewater treatment plant, White Slough Water Pollution Control Facility. The GSA for the City of Lodi includes the White Slough Water Pollution Control Facility area (City of Lodi, 2015).



GSP Content

Chapter 2: Plan Area





GSP Content

Chapter 3: Basin Setting

- Hydrogeologic Conceptual Model
- Current and Historical Conditions
- Water Budget



GSP Content

Chapter 4: Sustainable Management Criteria

- Sustainability Goal Sustainability Indicators
- Monitoring Network



Sustainability Results

- Chronic lowering of groundwater levels indicating a significant and unreasonable depletion of supply
 - None
- Significant and unreasonable reduction in groundwater storage
 - None
- Significant and unreasonable land subsidence
 - None



Sustainability Results

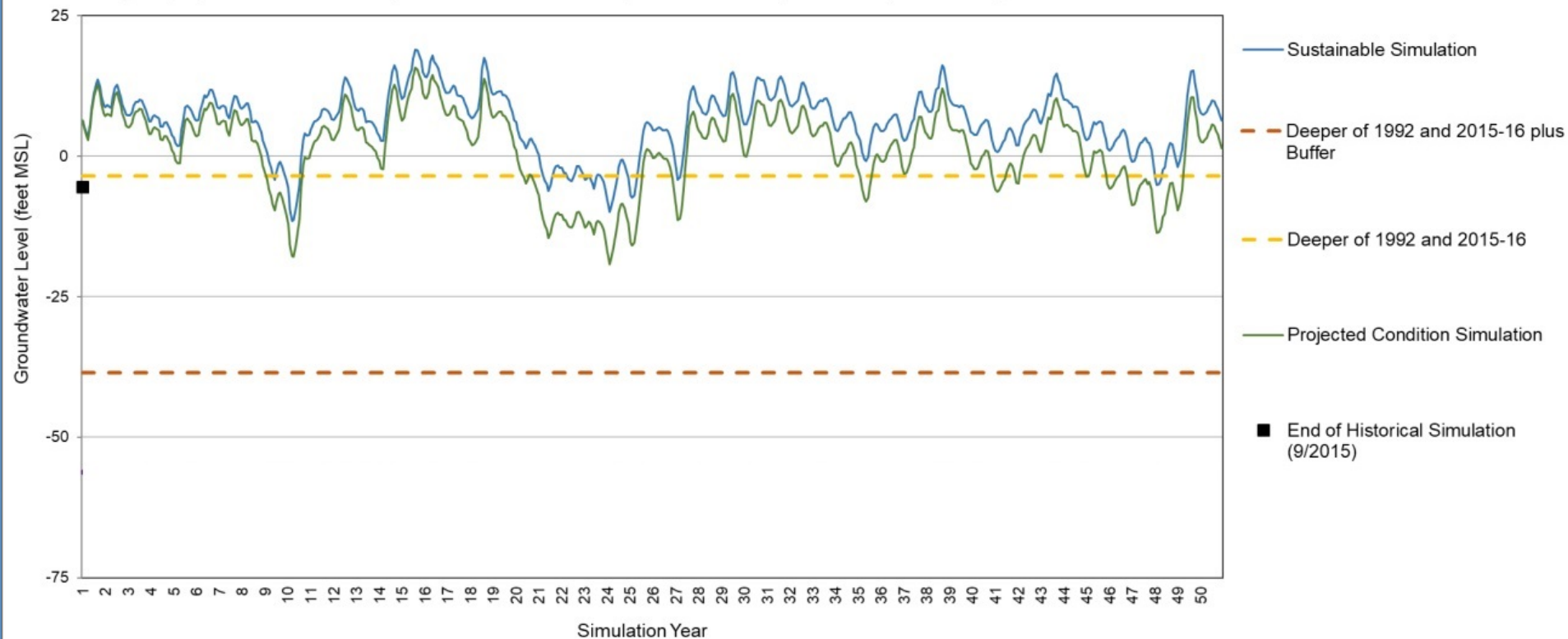
- Depletions of interconnected surface water that have significant and unreasonable adverse impacts on beneficial uses of the surface water
 - None
- Significant and unreasonable degraded water quality
 - None
- Significant and unreasonable seawater intrusion
 - None



Sustainability Results

Hydrogeologic Model Simulation

Hydrograph for Selected Representative Monitoring Well: Lodi City Well #2 (GSA: Lodi)



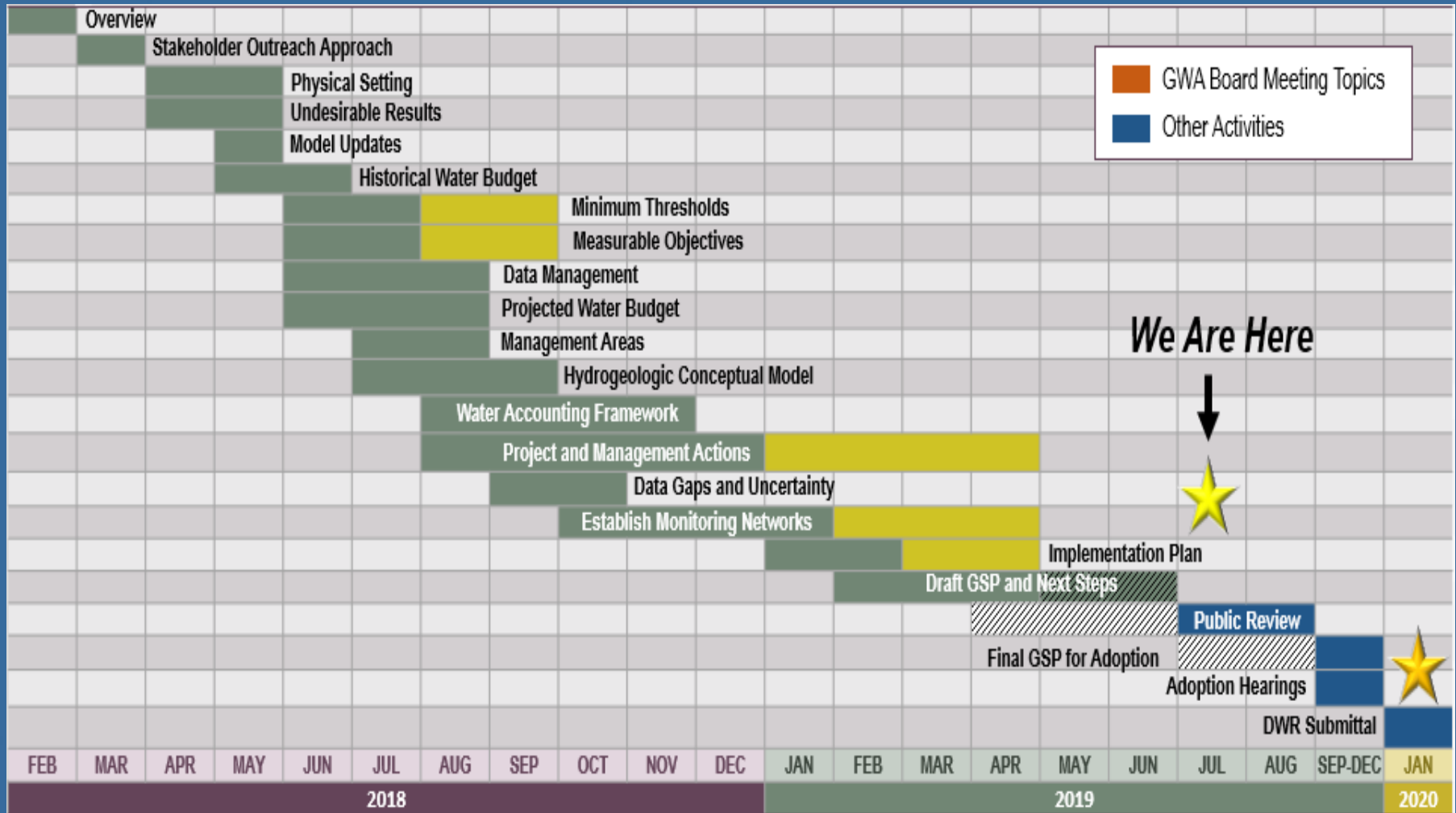


Future Sustainability Projects

- 23 projects proposed by the agencies in the JPA
 - Majority focused on in-lieu recharge
- Lodi Projects
 - Surface Water Plant Expansion
 - Additional 4,500 AFY treatment capacity
 - The White Slough Recycled Water Pond Expansion Project
 - 300 AF Title 22 compliant recycled water storage
 - Increases recharge to basin



Next Steps





Next Steps

- Public Draft comment period July 10 – August 25
- NOI to adopt GSP distributed – July 20
- Final draft distributed – November 5
- JPA recommendation to adopt – November 13
- GSAs adopt – Individual GSAs adopt Final Draft GSP – November 20th
- JPA adopts – January 8
- GSP submittal deadline – January 31, 2020



Questions?