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.

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Jennifer M. Ferraiolo
City Clerk

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AGENDA ITEM B-01

CITY OF LODI
COUNCIL COMMUNICATION

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

MEETING DATE: April 23, 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 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 a review of the SGMA legislation, an update on the GSP including the GSP framework, funding, schedule, key policy issues, and the next steps needed to facilitate completion.

FISCAL IMPACT: Not applicable.

FUNDING AVAILABLE: Not applicable.

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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

April 23, 2019
Outline

• Background
• Timeline
• GSP Funding
• GSP Framework
• Schedule
• Key Policy Issues
• Next Steps
The Sustainable Groundwater Management Act (SGMA) became effective on January 1, 2015.

SGMA requires the establishment of Groundwater Sustainability Agencies (GSA) and the development and implementation of one or more Groundwater Sustainability Plans (GSP).

Failure of local agencies to comply with SGMA could result in State intervention.
• Eastern San Joaquin Groundwater Authority
  – Comprised of entities that have elected (or intend to elect) to become GSA’s.
  
  – Framework for entities to work together to mutually develop and ultimately adopt a GSP for the entire basin.

  – Funding for GSP will come from various sources:
    • San Joaquin County Zone 2 funding
    • State of California grant funding
    • Authority members
      – Amounts determined by the Board of Directors
Background
Background

[Map of water districts and rivers in the San Joaquin area]

San Joaquin County
North San Joaquin Water Conservation District
Woodbridge Irrigation District
City of Lodi
Central Delta Water Agency
City of Stockton
San Joaquin County No.
South Little Johns Creek
South Delta Water Agency
City of Manteca
South San Joaquin Irrigation District
Oakdale Irrigation District
Central San Joaquin Water Conservation District
Lone Tree Creek
Woodward Reservoir
Farmington Flood Control Basin
Little Johns Creek
Duck Creek
Mokelumne River
Bear Creek
Eastside San Joaquin GSA
Lockeford Community Service District
Mosher Creek
Linden County Water District
Memenon Slough
Potter Creek
Duck Creek
Calaveras River
Timeline

- February 8, 2017  JPA finalized
- June 30, 2017    GSA’s formed
- February 2018    GSP Consultant hired
- January 31, 2020 GSP must be submitted
GSP Funding

• GSP Costs
  – $2,176,420

• Funding available
  – Proposition 1B Grant $1,500,000
  – Zone 2 contribution $ 450,000
  – Authority members $ 226,420
  – Total Funds $2,176,420
  – Lodi’s share = $11,664
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
• 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
Schedule

We Are Here

Overview
- Stakeholder Outreach Approach
- Physical Setting
- Undesirable Results
- Model Updates

Historical Water Budget
- Minimum Thresholds
- Measurable Objectives

Data Management

Projected Water Budget

Management Areas
- Hydrogeologic Conceptual Model

Water Accounting Framework

Project and Management Actions
- Data Gaps and Uncertainty
- Establish Monitoring Networks

Implementation Plan
- Draft GSP and Next Steps
- Final GSP for Adoption
- Public Review
- Adoption Hearings
- DWR Submittal

FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP-DEC

2018 2019 2020
Key Policy Issues

- **Management Actions**
  - Projects approach vs. demand-side management approach
  - Mixture?
  - Recommendation to Board in June

- **Water Budget Planning Estimates**
  - Establish groundwater pumping offset to be sustainable by 2040
  - Approved at 78,000 AFY
  - April 2019

- **Sustainable Management Criteria Objectives**
  - Decisions related to minimum thresholds, measurable objectives, monitoring network
  - Recommendation to Board in May
Key Policy Issues

• Sustainability Indicators
  – Chronic lowering of groundwater levels
  – Reduction of groundwater storage
  – Degraded water quality
  – Seawater Intrusion
  – Land Subsidence
  – Depletion of interconnected surface waters
Next Steps

- Draft GSP “Bundles” are being released to GSA’s for review
- Scheduled public review periods in July and August
- Council update on GSP plan / policies in July
- Final GSP scheduled for November
- Eastern San Joaquin Groundwater Basin Board
- Approval in December 2019 or January 2020
- Approved GSP submittal by January 31, 2020
Questions?