Agenda

• Smith Canal Gate Project (Chris Elias)
• Sustainable Groundwater Management Act (SGMA)
  • Eastern San Joaquin Subbasin (Matt Zidar)
  • Tracy Subbasin (Mike Callahan)
• IRWM CC and Update (Glenn Prasad)
• Federal Covid Relief Infrastructure (Matt Zidar)
• Storm Water Management Plan (Jessica Jones)
• Delta (All)
SMITH CANAL GATE PROJECT

AN UPDATE

MAY 20, 2020

Project Vicinity Map
FEMA Special Flood Hazard Area

- 5,000 parcels "mapped" in 2009
- Additional 3,000 parcels to be mapped
- Requires mandatory flood insurance
- Building restrictions
- Elevation for new/replacement construction and significant repairs/remodels

Project Background

- Built by the State in mid 1800's for sanitary and drainage purposes
- Navigable and Tidally influenced
- Conveys urban runoff
- Leveed to prevent flooding from the Delta
- Levees heavily encroached
- Cost – approx. $68M
Smith Canal Encroachments

PROJECT FEATURES
Bids Received and Award

Bids Opened April 16
Bid Awarded April 30

Shimmick Construction Company - $49,487,976
California Engineering Contractors - $57,743,864
Dutra Group - $60,240,669

Gate Operation Animation
Table 1 DRAFT 2020-2021 Budget  

Expense

<table>
<thead>
<tr>
<th>Expense</th>
<th>Staff</th>
<th>Prof Service</th>
<th>Other</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monitoring and Reporting - In Kind</td>
<td>$212,500</td>
<td>-</td>
<td>-</td>
<td>$212,500</td>
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<tr>
<td>Program Management/Technical Support</td>
<td>$198,500</td>
<td>$400,000</td>
<td>$10,000</td>
<td>$608,500</td>
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<tr>
<td>Reserve Cost</td>
<td>-</td>
<td>$200,000</td>
<td>-</td>
<td>$200,000</td>
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<tr>
<td><strong>Total</strong></td>
<td>$411,000</td>
<td>$600,000</td>
<td>$10,000</td>
<td>$1,021,000</td>
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Funding Sources

<table>
<thead>
<tr>
<th>Revenue Items</th>
<th>Amount</th>
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<tbody>
<tr>
<td>1. Zone 2 Contribution</td>
<td>$225,000</td>
</tr>
<tr>
<td>2. Proposition 68 Round 3 Grant</td>
<td>$325,000</td>
</tr>
<tr>
<td>3a. FY 19/20 GSA Member Contribution Carryover</td>
<td>$150,000</td>
</tr>
<tr>
<td>3b. FY 20/21 GSA Member Contribution</td>
<td>$258,000</td>
</tr>
<tr>
<td>4. GSA In-Kind Monitoring</td>
<td>$63,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$1,021,000</td>
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</tbody>
</table>

SGMA: East San Joaquin GWS

- Budget and Cost allocation via Ad Hoc Budget Committee, Steering Committee
- June 10 GWA Board consider adoption
### Table 2 Budget Summary and GSAs Cost

#### Expense

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
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<tbody>
<tr>
<td>A. Monitoring, Reporting and Data Management (zone 2)</td>
<td>$212,500</td>
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<tr>
<td>B. Program Management/Tech Support</td>
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<tr>
<td>C. Reserve</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$1,021,000</strong></td>
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</table>

#### Other Funding Sources

<table>
<thead>
<tr>
<th>Source</th>
<th>Cost</th>
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<tr>
<td>Zone 2 Contribution</td>
<td>$(225,000)</td>
</tr>
<tr>
<td>GSA Inkind</td>
<td>$(63,000)</td>
</tr>
<tr>
<td>Proposition 68 Round 3 Grant</td>
<td>$(325,000)</td>
</tr>
<tr>
<td>GSA Cost Allocation 2019-20 Carry Over</td>
<td>$(110,000)</td>
</tr>
<tr>
<td><strong>2020-21 GSA Member Contribution Needed</strong></td>
<td><strong>$(298,000)</strong></td>
</tr>
<tr>
<td><strong>Six month budget billed to GSAs (R-20-2)</strong></td>
<td><strong>$270,000</strong></td>
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<tr>
<td><strong>Expense Assumptions (WC contract)</strong></td>
<td><strong>$160,000</strong></td>
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<tr>
<td><strong>Carry Over Assumptions</strong></td>
<td><strong>$110,000</strong></td>
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</table>

### Table 3 Pumping and Population Class, 60/40, Eastside Adj Cost Allocation

<table>
<thead>
<tr>
<th>GSA</th>
<th>Pumping</th>
<th>Population</th>
<th>EastSide GSA Non-Zone 2 Adjustment</th>
<th>Subtotal</th>
<th>Adjusted for Minimum</th>
<th>%</th>
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<tbody>
<tr>
<td>CDWA</td>
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<td>CSWCD</td>
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<tr>
<td>Eastside Si GSA</td>
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<td>LCWD</td>
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<tr>
<td>Lodi</td>
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<tr>
<td>Manteca</td>
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<tr>
<td>NSWCy</td>
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<td>$31,000</td>
<td>$31,000</td>
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<tr>
<td>OID</td>
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<td>$2,000</td>
<td>$0</td>
<td>$11,000</td>
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<td>3.7%</td>
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<tr>
<td>SDWA</td>
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<td>SJG #1</td>
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<td>SJG #2</td>
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<tr>
<td>SSO GSA</td>
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<td>$7,000</td>
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<tr>
<td>Stockton</td>
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<tr>
<td>WID GSA</td>
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<tr>
<td><strong>Subtotal</strong></td>
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<td><strong>$284,000</strong></td>
<td><strong>$300,500</strong></td>
<td></td>
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</table>
ESJ GWA Ad Hoc TAC May 27

- IWFM Model Workshop
- GrowMass Pilot with SEWD
- FloodMAR
- Groundwater Recharge Assessment Tool

Flood-MAR

An integrated strategy to manage water resources for sustainability & climate resiliency …

… using high flows from (or in anticipation of) rainfall or snowmelt for managed aquifer recharge ...

… on agricultural lands, working landscapes, and natural managed lands
State Recommends Flood-MAR

- State Board of Food & Agriculture letter (May 2018)
- Final CA Water Plan Update 2018 (July 2019)

USBR WaterSMART Drought Response Program Grant

- Sponsor: USBR
- Total Funding Amount: $2.9 million, $300K to $750K per project
- Cost Share 50%
- Due: July 08, 2020
WaterSMART Drought Response Program
Objectives

• Build long-term resilience, generally in the final design stage
• Improve forecasts of water availability and improve use of technology to increase water reliability
• Supported by an existing drought planning effort, develop or update drought contingency plan
• Decrease vulnerabilities and increase water managers flexibility

WaterSMART Drought Response Program
Projects

• A Projects: Increasing the Reliability of Water Supplies through Infrastructure Improvements
• B Project: Improve Water Management through Decision Support Tools, Modeling, and Measurement
• C Projects: Provide Protection for Fish, Wildlife, and the Environment
2020 Sustainable Groundwater Management Watershed Coordinator Grant Program

- Sponsor: Department of Conservation
- Funding: Total of $1.5M available. $200K per project
- Source Prop 50
- Hire 1 Full Time Equivalent staff for two years or use consultants
- Due: July 30, 2020. Awards announced September 15, 2020

2020 Sustainable Groundwater Management Watershed Coordinator Grant Program Purpose

- To support implementation of GSPs
- Work with local GSAs, landowners, and local governments to identify and implement projects and help develop landowner driven solutions to increase groundwater sustainability
- Facilitate watershed-scale collaborations, promote integrated watershed management efforts, and support local implementation activities
- Collaboration between diverse entities at the regional scale
P68 Component 3: Financing Plan

Budget: $50,000
- Task 1: Project Management and Communications
- Task 2: Stakeholder Outreach and Communications
- Task 3: Refined Cost Analysis and Revenue Requirement Calculation
- Task 4: Financing Analysis
- Task 5: Financing Plan
Stormwater Management Plan (SWMP)

Background
Regulated pursuant to the Region-Wide National Pollutant Discharge Elimination System Permit (NPDES), direct result of Clean Water Act of 1972

Purpose
a) Reduce the degradation of waters of the State and waters of the U.S. by urban runoff and protect their beneficial uses
b) Develop and implement an effective SWMP that is well-understood and broadly supported by regional stakeholders

Jurisdictional Areas Covered
1. City of Stockton
2. Phase I urbanized areas of San Joaquin County

Stormwater Management Plan (SWMP)

Core Objectives
1. Comply with federal regulations to eliminate or control, to the MEP, the discharge of pollutants from urban runoff that enter municipal separate storm sewer systems (MS4’s)
2. Identify and control Priority Water Quality Constituents of Concern (PWQC’s)
3. Achieve compliance with water quality standards
4. Develop a cost-effective program or develop alternative solutions where pollution prevention is not a practical solution
Timeline – Region-wide Permit

- **Adoption of Region-wide Permit**: 6-23-16
- **Permit Effective**: 10-1-16
- **Submittal of NOI**: 11-1-16
- **Assessment & Prioritization**: 5-30-17
- **Revised Assessment & Prioritization**: 10-2-18
- **RAA**: 7-2-19
- **SWMP Development**: (see next slide)
- **Comments on Assessment & prioritization**: 7-2-18
- **Comments on RAA**: TBD
- **Renewal of Region-wide Permit**: 9-30-21
**Timeline – Development of SWMP**

- **Adoption of Region-wide Permit**
  - 6-23-16

- **Permit Effective**
  - 10-1-16

- **Submittal of NOI**
  - 11-1-16

- **Assessment & Prioritization**
  - 5-30-17
  - Revised Assessment & Prioritization
    - 10-2-18

- **RAA**
  - 7-2-19

- **Draft SWMP**
  - 1-23-20

- **Draft REV SWMP**
  - 4-13-20

- **Presentation**
  - 2-6-20
  - 5-5-20

- **Meet – SWMP**
  - 2-20-20
  - 3-3-20

**Principles for SWMP Development**

- **Builds on (as applicable)**
  - 2009 SWMP
  - 2012 Report of Waste Discharge (ROWD)

- **Complies with Region-wide Permit**
  - Provisions V.E and Attachment J
  - Incorporates Assessment and Prioritization
    - Focus is on the identified **Priority Water Quality Constituents**
  - Incorporates Reasonable Assurance Analysis
    - Identification of **milestones** and **attainment timelines**
Other Key Components

- Stormwater Quality Control Criteria Plan (SWQCCP)
- Quality Assurance Project Plan (QAPP)
- Pyrethroid Mgmt Plan (Whew! no acronym here)