EXECUTIVE COMMITTEE MEETING | Agenda

APRIL 13, 2020
FRIANT WATER AUTHORITY
8:30 AM (CLOSED SESSION)
10:00 (OPEN SESSION)

VIA WEBEX AT: MEETING ACCESS CODE 287 820 866 Meeting password: t4pH9jSNe5w (84749576 from phones) Public may call-the Webex Number at 8:30 A.M. with any comments prior to Closed Session

In accordance with the Governor’s Executive Order (N-29-20) and the declared State of Emergency, including social distancing directives as a result of the threat of the COVID-19 virus, Committee members and FWA staff will be participating in this meeting remotely. There will not be a physical location for this meeting. Members of the public may participate in the meeting in the following way:
1. Phone: WEBEX TELECONFERENCE: 1-415-655-0001 MEETING ACCESS CODE 287 820 866 Meeting password: t4pH9jSNe5w (84749576 from phones)
2. Email: You may submit comments on a specific agenda item via email to tmarie@friantwater.org. Please send your email at least one hour prior to the start of the meeting.
    If members of the public have any problems using the WebEx number during the meeting, please contact the FWA office at 559-562-6305. The Friant Water Authority thanks you for your understanding and for doing your part to prevent the spread of COVID-19.

At the discretion of the Board of Directors, all items appearing on this agenda, whether or not expressly listed for action may be subject to action by the Board. The order of agenda items is subject to change.

1. CALL TO ORDER/ROLL CALL – (TANTAU)
2. APPROVAL OF THE AGENDA – (TANTAU)
3. PUBLIC COMMENT ON CLOSED SESSION ITEMS – (DAVIS) (Public may call-the Webex Number at 8:30 A.M. with any comments.)
4. ADJOURN TO CLOSED SESSION

   Closed Session Items (90 min)

5. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION
   (Government Code section 54956.9(d)(1))

   A. NRDC v. Murillo, U.S. District Court, Eastern District of California (Sacramento Division), Case No. 88-cv- 01658-JAM-GGH

   B. California Natural Resources Agency v. Ross, U.S. District Court, Eastern District of California (Fresno Division), Case No. 1:20-cv-00426-DAD-SKO
6. CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION
   (Government Code section 54956.9(d)(2))
   Significant Exposure to Litigation: Two potential matters.

7. CONFERENCE WITH LEGAL COUNSEL-INITIATION OF LITIGATION
   (Government Code section 54956.9(d)(4))
   Initiation of Litigation: Two potential cases.

8. CONFERENCE WITH REAL PROPERTY NEGOTIATORS
   (Government Code section 54956.8)
   Property: Friant-Kern Canal facilities and right-of-way
   Agency negotiator: CEO, COO, General Counsel
   Negotiating parties: United States (Bureau of Reclamation)
   Under negotiation: OM&R Transfer Agreement (price and terms of payment)

9. RECONVENE INTO OPEN SESSION (10:00 am)
   Announce reportable action taken during closed session.

10. PUBLIC COMMENT / PUBLIC PRESENTATIONS – (TANTAU)
    Public comment is welcome at this time on any matter within the jurisdiction of the Board that is
    not on the agenda. Under the State's open meeting law - the Brown Act - no action may be taken
    on any item not on the agenda. Public comment on items on the agenda will be allowed at the
    time the Board considers the item.

11. ACTION ITEMS (5 MINUTES)
    A. Approval of the Minutes –Executive Committee meeting of March 16, 2020.

12. BOARD RECOMMENDATIONS (10 MINUTES)
    A. Revised Scope of Reverse Pump-Back Project (DeFlitch/Slater)

13. DISCUSSION/DIRECTION (90 MINUTES)
    A. FKC Middle Reach Capacity Correction Project Update. (DeFlitch/Davis/Phillips)
       i. Schedule
       ii. Funding
    B. External Affairs Update. (Amaral/Biering/Villines)
    C. CVP and Friant Division Water Supply Allocations. (DeFlitch/Phillips)
    D. San Joaquin Valley Water Blueprint Update. (Ewell)
    E. CEO Report. (Phillips)

14. ADJOURNMENT
Agenda reports and other disclosable public records related to each Open Session agenda item are available on FWA’s website under "Calendar" at Friantwater.org and at FWA’s main office, 854 N. Harvard Ave., Lindsay, CA 93247, during regular business hours. Under the Americans with Disabilities Act, if you require a disability-related modification or accommodation to participate in this meeting, including auxiliary aides or services, please contact Toni Marie at 559-562-6305 at least 48 hours prior to the meeting.
1. **CALL TO ORDER/ROLL CALL** – Chair Chris Tantau called the meeting to order at 9:00 a.m. Committee members present: Tantau, Kisling, Erickson, Loeffler, Borges, Stephens; Staff present: DeFlitch, Marie, Biering, Willard, Phillips, Davis, Buck-Macleod, Amaral, Bezdek. Others: Ewell, Collup, Dalke, Muhar, Wallace, Fukuda, Larsen, Geivet, Morrissey, Quinley, Hampton, Weddle, Limas, Greci, Gross; Committee Members Absent: Camp

2. **APPROVAL OF THE AGENDA** – The agenda was approved. (Loeffler/Kisling); approved unanimously - Ayes – Tantau, Loeffler, Erickson, Camp, Kisling, Borges, Stephens; Nays – none; Absent – Camp

3. **PUBLIC COMMENT ON CLOSED SESSION ITEMS** – There was not comment from the public on closed session items.

4. **ADJOURN TO CLOSED SESSION**

   **Closed Session Items**

5. **CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION**
   
   (Government Code section 54956.9(d)(1))
   NRDC v. Murillo, U.S. District Court, Eastern District of California (Sacramento Division), Case No. 88-cv-01658-JAM-GGH

6. **CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION**
   
   (Government Code section 54956.9(d)(2))
   Significant Exposure to Litigation: Three potential matters.

7. **CONFERENCE WITH LEGAL COUNSEL-INITIATION OF LITIGATION**
   
   (Government Code section 54956.9(d)(4))
   Initiation of Litigation: Two potential cases.

8. **CONFERENCE WITH REAL PROPERTY NEGOTIATORS**
   
   (Government Code section 54956.8)
   Property: Friant-Kern Canal facilities and right-of-way
   Agency negotiator: CEO, COO, General Counsel
   Negotiating parties: United States (Bureau of Reclamation)
   Under negotiation: OM&R Transfer Agreement (price and terms of payment)

9. **RECONVENE INTO OPEN SESSION (10:00 am)**
   
   No reportable action taken during closed session.
PUBLIC COMMENT / PUBLIC PRESENTATIONS

ACTION ITEMS

A. Approval of the Minutes – The Executive Committee meeting minutes of February 10, 2020 were approved. (Loeffler/Kisling); approved unanimously - Ayes – Tantau, Loeffler, Erickson, Camp, Kisling, Borges, Stephens; Nays – none; Absent – Camp

BOARD RECOMMENDATIONS

A. Governance/Board Meeting Software – The Executive Committee approved making a recommendation to Board of Directors to implement use of a digital platform using BoardEffect software for Board and Committee meeting materials and authorize the COO to execute an agreement with the Diligent Corporation to license its software for an initial one-year period. This would include 60 users for $13,000/yr. The one-time set-up fee of $3,000 will be waived. (Loeffler/Kisling); approved unanimously - Ayes – Tantau, Loeffler, Erickson, Camp, Kisling, Borges, Stephens; Nays – none; Absent – Camp

B. Title Transfer MOU – CEO Phillips said he had hoped to have a draft MOU for the Executive Committee to review for possible recommendation to Board of Directors; however, after discussing finalizing the draft report with Mr. Person, Friant’s consultant, the plan is to bring back the Final Report and an MOU with the Bureau of Reclamation for the April or May meeting.

C. Recommendation to the Board regarding Water Year 2020 – The Executive Committee reviewed the San Luis Delta-Mendota Water Authority O&M Water Rates and a proposed increase of $600,000 for Cash Flow Reserves; they approved recommending to the Board of Directors that they approve the Reserve increase and requested that Staff invoice for the increase in the same month that the refund is projected to be made, if possible. (Loeffler/Kisling); approved unanimously - Ayes – Tantau, Loeffler, Erickson, Camp, Kisling, Borges, Stephens; Nays – none; Absent – Camp

DISCUSSION/DIRECTION

A. FKC Middle Reach Capacity Correction Project Update.
   i. Investment strategy – CEO Phillips went through the structure of the proposed Zone 3 investor funding as described in the packet.
   ii. Schedule – COO DeFlitch reported that the work on the FKC Canal Capacity Correct Project is still on track to meet the schedule and milestones as outlined in the agenda report.

B. External Affairs Update – CEA Amaral reported on current External Affairs activities as outlined in the agenda report. This included working with Senator Hurtado’s office to submit a budget request for funding the Friant-Kern Canal repairs. Staff also continues to work to ensure funding requests for the Friant-Kern Canal will be submitted through the remainder of the appropriates season.

C. CVP and Friant Division Water Supply Allocations – WRM Buck-Macleod provided a report on the 2020 CVP allocation as outlined in the agenda report. The Friant Division Class 1 declaration remains at 20% and Class 2 at 0%.

D. San Joaquin Valley Water Blueprint (SJVWB) Update – Austin Ewell gave an update on SJVWB’s current activities as outlined in the agenda report. It included the recently completed Socio-Economic Impact Analysis Phase 1 results which reported that up to 1,000,000 acres may be fallowed in the San Joaquin Valley as a result of reduced ground and surface water availability.
E. Brown Act flexibility under Governor’s Executive Order and discussion regarding procedural options in response to threat of COVID-19 – General Counsel Davis went through the State of California’s Executive Order N-25-20 State of Emergency procedures which included suspension of Brown Act meeting requirements to allow greater flexibility for meetings by teleconference or video. He noted that Friant would be utilizing teleconference or video conference meetings as appropriate until further notice.

F. CEO Report – There was no CEO report this month.

14. ADJOURNMENT

The meeting adjourned at 11:50 a.m.
DATE: April 13, 2020
TO: Executive Committee
FROM: Douglas DeFlitch, COO; John Slater, Senior Engineer
SUBJECT: Recommendation Regarding Revised Scope of Reverse Pump-Back Project

BACKGROUND

A pump back system has been used on the FKC since the 1980s as a way to reverse the flow from the FKC lower reach to the middle reach north of Lake Woollomes. New, permanent pump-back facilities were contemplated as part of the San Joaquin River Settlement to help facilitate the movement of “recaptured” water supplies.

In 2016, FWA entered into a $3.3 million financial assistance agreement with the Bureau of Reclamation (USBR-FAA) that provided partial (35%) funding for these new reverse pump-back facilities. The project was for a small 80 CFS system that was estimated to cost $10 million. The FAA included some funding for construction.

In 2017, a reverse pump-back system of 500 CFS was studied for three locations (Shafter, Lake Woollomes, and Deer Creek). The larger system was proposed based on the frequency of anticipated use.

In 2019, FWA entered into a $4.0 million financial assistance agreement with the California Department of Water Resources (DWR-FAA) that provided funding for the study and development of a 350 CFS system that is upgradable to 500 CFS. The total estimated cost of engineering and construction for the revised project will likely exceed $50 million. It was envisioned that the USBR-FAA and DWR-FAA would provide enough funding for engineering design, but not construction.

The project has been delayed in large part because the environmental review is dependent on resolution of FKC water quality issues related to the recaptured and recirculated water, as well as how to incorporate the project into the pending FKC Middle Reach Capacity Correction Project and supporting utility issues. In addition, the significant subsidence of the FKC near the proposed Deer Creek site raised questions regarding the viability of that location.

Based on the above background, a formal rescoping of the project is necessary so that design work can be completed and funded before the USBR-FAA and DWR-FAA expire.
DISCUSSION:

Staff is requesting the Executive Committee recommend to the Board approval of a rescoped project (Revised Project), which will achieve the following:

1. Authorize Provost & Pritchard Engineering to complete the 90% engineering design of both the Shafter Check and Lake Woollomes sites by the end of 2020. The 100% design and ready to build plans would be completed by early 2021 when the necessary environmental approvals and related permits are issued. (Note: The Deer Creek site is being omitted in the Revised Project as it will need to be redesigned after the Middle Reach Capacity Correction Project is completed.)

2. FWA is also seeking modifications to the USBR-FAA and DWR-FAA, and if approved, FWA will redirect those funds as allowed by USBR/DWR to related Revised Project costs. This includes the current NEPA/CEQA document analysis, utilities and additional pre construction work.

FISCAL IMPACT:

There will be no cost to FWA for the pre-construction engineering activities associated with the Revised Project. The project engineering funding will continue to come through the above-mentioned DWR and USBR financial assistance agreements.

RECOMMENDED ACTION:

Staff recommends that the Executive Committee approve a motion recommending that the Board of Directors approve the Revised Project scope of work and authorize staff to amend its existing Professional Services Agreement with Provost & Pritchard.

ATTACHMENTS:

1. Draft revised scope of work from Provost & Pritchard dated December 5th 2019.
2. Summary of DWR-FAA and USBR-FAA.
Scope & Budget Change/Phase Amendment

<table>
<thead>
<tr>
<th>To:</th>
<th>Douglas DeFlitch</th>
<th>Email:</th>
<th><a href="mailto:ddeflitch@friantwater.org">ddeflitch@friantwater.org</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>CC:</td>
<td>John Slater</td>
<td>Email:</td>
<td><a href="mailto:jslater@friantwater.org">jslater@friantwater.org</a></td>
</tr>
<tr>
<td>From:</td>
<td>Randy Hopkins</td>
<td>Date:</td>
<td>December 5, 2019</td>
</tr>
<tr>
<td>Subject:</td>
<td>Friant-Kern Canal Reverse Flow Pump-Back Project 60% to Final Design Scope of Work for Shafter Wasco</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

As of December 2019, Provost & Pritchard Engineering Group, Inc. (P&P) has completed 30% conceptual design, Tasks 4.1 – 4.3 required by Objective 4 of the Friant-Kern Canal Reverse Flow Pump-Back Project (Project) grant. The outcome of these subtasks was a perpendicular pump station at each of the three pump back locations.

The proposed scope of work includes preparation of 60%, 90%, final design documents, and bidding assistance for the Pump Back facilities at the Shafter Wasco (designed for 500 cfs) and Lake Woollomes (designed for 250 cfs) sites. This scope includes the following:

**Objective 1 – Project Management (On-Going)**

1.1 – Project Management Plan

The Project Management Plan is to be updated on an annual basis and will be updated as part of this scope of work. The schedule and budget sections of the plan will be updated by P&P as appropriate.

1.2 – Project Schedule

The Project schedule will be updated as necessary over the next 12 months. Also included under this task are quarterly progress updates to assist Friant Water Authority (FWA) with quarterly grant reporting.

1.3 – Team Meetings and Coordination Activities

Coordination with the internal and external Project team of Project activities will occur on a weekly basis. This task also includes attendance at the bi-weekly coordination calls with FWA and the Project team, as well as attendance and participation in meetings.
with Reclamation and FWA staff to review progress and plan for upcoming activities. In preparation for the meetings, work under this task will also include preparation and reproduction of meeting notes, handouts, and deliverables.

**Deliverables included in this scope:**
- Annual Updated Project Management Plan (pdf form)
- Updated Project Schedule (pdf form)
- Monthly progress reports (pdf form)
- Meeting notes for each meeting attended (pdf form)
- Presentation materials, visual aids, and handouts (pdf form)

**Objective 4 – Engineering and Design**

4.4 – 60% Design

This task includes engineering and design of the intermediate flow rate alternative of the proposed pump back facilities at the Shafter-Wasco (flow rate of 500 cfs) and Lake Woollomes (flow rate of 250 cfs) sites up to the 60% design level, including electrical and motor control design. This task will include addressing comments received from Reclamation’s 30% design review. Additionally, design calculations will be completed, including sizing structures, calculating earthwork quantities, and determining the materials that will be used for the Project.

Based on the draft 60% design drawings, a refined engineer’s opinion of probable construction cost (EOPCC) will be developed in accordance with ASTM E2516, Class 2 (-15% to +20%). Estimated costs will be developed through a combination of the Consultant’s prior experience with similar facility work and available construction cost resources such as RS Means.

Also included under this task will be the preparation of draft technical specifications and contract documents. These documents will comply with the California Public Contract Code requirements.

4.5 – 90% Design

This task includes engineering and design of the intermediate flow rate alternative of the proposed pump back facilities at the Shafter-Wasco and Lake Woollomes sites up to the 90% design level, including electrical and motor control design. This task will include addressing comments received from Reclamation’s 60% design review.

Based on the draft 90% design drawings, a further refined EOPCC will be developed in accuracy with ASTM E2516, Class 1 (-10% to +15%). Estimated costs will be developed through a combination of the Consultant’s prior experience with similar facility work and available construction cost resources such as RS Means.
Also included under this task the draft technical specifications and contract documents will be refined to a near-final level based on comments received from Subtask 4.4 – 60% Design.

**Deliverables included in this scope:**
- 60% Drawings (pdf form)
- 60% EOPCC (pdf form)
- 60% Technical Specifications (pdf form)
- 90% Drawings (pdf form)
- 90% EOPCC (pdf form)
- 90% Technical Specifications (pdf form)

**Objective 5 – Final Design and Bidding**

5.1 – Final Design

This task includes engineering and design of the intermediate flow rate alternative of the proposed pump back facilities at the Shafter-Wasco and Lake Woollomes sites at a final design level, including electrical and motor control design. This task will include addressing comments received from Reclamation’s 90% design review.

Based on the final design drawings, a refined engineer’s opinion of probable construction costs (EOPCC) will be developed in accuracy with ASTM E2516, Class 1 (+10%). Estimated costs will be developed through a combination of the Consultant’s prior experience with similar facility work and available construction cost resources such as RS Means. Additionally, a Final Design Report will be prepared based on the Basis of Design Report, summarizing the design criteria and incorporating decisions made through the design process.

Also included under this task will be construction technical specifications and contract documents. These documents will comply with the California Public Contract Code requirements.

5.2 – Bidding Assistance

This task includes the preparation of a single bid package for prospective bidders and keeping records of the potential bidders who have obtained the bid documents. Additionally, under this task a pre-bid meeting will be held with potential bidders to brief the bidders on the proposed design and construction and show the site and key facilities.

Additionally, under this task, questions raised by potential bidders during the bid process will be answered through Addenda issued to all prospective bidders. Upon receipt of the bids, a bid summary will be prepared.
Deliverables included in this scope:

- Proposed Bid Process (pdf form)
- Final Design Report (pdf form)
- 100% Stamped drawings (pdf form)
- Construction Specifications (pdf form)
- 100% EOPCC (pdf form)
- Construction Bidding and Contract Documents (pdf form)
- Notice Advertising Bids
- Pre-Bid Meeting
- Addenda as Required (pdf form)
- Bid Summary (pdf form)

Assumptions

The following general assumptions have been made in preparing this scope of work. If any of the general or task specific assumptions prove to be incorrect, FWA and P&P will work together to modify the scope, fee and schedule as needed.

1. P&P will work with Stantec to coordinate the Pump Back Facility designs with the Subsidence Correction Project. At this time we anticipate no significant design changes to the Shafter-Wasco or Lake Woollomes sites due to the subsidence correction project.

2. Six (6) meetings will be required over a 12-month period with USBR and FWA staff to review Project progress and plan for upcoming activities.

3. Project team meetings and coordination activities will be required for a period of 12 months to get through Final Design.

4. There will not be any significant design changes from the 30% design and Basis of Design Report to the Shafter Wasco and Lake Woollomes sites.

5. Schedule updates will only be required once per quarter.

6. Up to four (4) addendums will be required during the bidding process.

7. Agency review comments will not significantly change the design.

8. FWA’s legal counsel will review the contract documents and provide direction regarding language specific to FWA’s contracting procedures.

9. A separate scope of work will be provided for the design of the Deer Creek Site.

Schedule

Once we receive a signed amendment and are authorized to proceed, we will begin to prepare the 60% level design documents. The schedule for the Deer Creek site will depend on the progress of the Subsidence Correction Project. Also, the schedule will largely depend on USBR and FWA’s review time which is assumed to take four weeks for each submittal. An approximate schedule is shown on the following page.
### Schedule

<table>
<thead>
<tr>
<th>Duration</th>
<th>Task</th>
</tr>
</thead>
<tbody>
<tr>
<td>Month 1</td>
<td>Authorization</td>
</tr>
<tr>
<td>Month 1 - 3</td>
<td>60% Design</td>
</tr>
<tr>
<td>Mid-Month 3</td>
<td>Submit 60% Design</td>
</tr>
<tr>
<td>Month 3 - 4</td>
<td>Agency Review</td>
</tr>
<tr>
<td>End of Month 4</td>
<td>Receive 60% Comments</td>
</tr>
<tr>
<td>Month 5 - 6</td>
<td>90% Design</td>
</tr>
<tr>
<td>End of Month 6</td>
<td>Submit 90% Design</td>
</tr>
<tr>
<td>Month 7</td>
<td>Agency Review</td>
</tr>
<tr>
<td>End of Month 7</td>
<td>Receive 90% Comments</td>
</tr>
<tr>
<td>Month 8 - 9</td>
<td>Final Design</td>
</tr>
<tr>
<td>End of Month 9</td>
<td>Submit Final Design</td>
</tr>
<tr>
<td>First Half of Month 10</td>
<td>Agency Review</td>
</tr>
<tr>
<td>Mid-Month 10</td>
<td>Receive Final Comments</td>
</tr>
<tr>
<td>Second Half of Month 10</td>
<td>Make Final Revisions</td>
</tr>
<tr>
<td>Month 11 - 12</td>
<td>Bidding, Procurement, and Notice to Proceed</td>
</tr>
</tbody>
</table>

### Budget

Provost & Pritchard Consulting Group will perform the services in this Phase on a time and materials basis, in accordance with our Standard Fee Schedule in effect at the time services are rendered. For budgeting purposes, our fees will be approximately what are show in the table below. These fees will be invoiced monthly as they are accrued. Reimbursable expenses will be invoiced in addition to professional fees and are included below.

<table>
<thead>
<tr>
<th>Phase</th>
<th>Estimated Fee Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Objective 1 (PM)</td>
<td>$100,000</td>
</tr>
<tr>
<td>Objective 4 (DES)</td>
<td>$580,000</td>
</tr>
<tr>
<td>Objective 5 (DES)</td>
<td>$190,000</td>
</tr>
<tr>
<td><strong>Total Estimated Fee:</strong></td>
<td><strong>$870,000</strong></td>
</tr>
</tbody>
</table>
If this amendment is acceptable, please sign, date and return to Randy Hopkins at Provost & Pritchard Consulting Group by emailing rhopkins@ppeng.com. Please feel free to call or email with any questions.

Client: Provost & Pritchard Engineering Group, Inc. dba Provost & Pritchard Consulting Group

By: 

Name/Title: Randy Hopkins, RCE 63538 Vice President

Date Signed: December 5, 2019
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
ASSISTANCE AGREEMENT

<table>
<thead>
<tr>
<th>1A. AGREEMENT NUMBER</th>
<th>1B. MOD NUMBER</th>
<th>2. TYPE OF AGREEMENT</th>
<th>3. CLASS OF RECIPIENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>R16AC00106</td>
<td>N/A</td>
<td>☐ COOPERATIVE AGREEMENT</td>
<td>Special District Government</td>
</tr>
</tbody>
</table>

4. ISSUING OFFICE
U.S. Department of the Interior
Bureau of Reclamation
Mid Pacific Region Office
2800 Cottage Way, Room E-1815
Sacramento, California 95825-1898

DUNS: 098865801 / EIN: 84-1024566

5. RECIPIENT
Friant Water Authority
854 N. Harvard Ave.
Lindsay, California 93247-1715

Phone: (559) 562-6305
Fax: (559) 562-3496

EIN #: 721578579
County: Tulare

DUNS #: 780148842
Congress. Dist.: CA-22

6. GRANTS MANAGEMENT SPECIALIST
Christina A. Muñoz, MP-3812
U.S. Department of the Interior
Bureau of Reclamation
Mid Pacific Region Office
2800 Cottage Way, Room E-1815
Sacramento, California 95825-1898
E-mail: cmunoz@usbr.gov

Phone: (916) 978-5115
Fax: (916) 978-5175

7. RECIPIENT PROJECT MANAGER
Stephen Ottemoeller
854 N. Harvard Ave.
Lindsay, California 93247-1715
E-mail: sottemoeller@friantwater.org

Phone: (559) 306-9986

8. GRANTS OFFICER TECHNICAL REPRESENTATIVE
Kellye Kennedy
U.S. Department of the Interior
Bureau of Reclamation
Mid Pacific Region Office, San Joaquin River
Restoration Program Office
2800 Cottage Way, Room W-1927
Sacramento, California 95825-1898
E-mail: kkennedy@usbr.gov

Phone: (916) 978-4640
Fax: (916) 978-5469

9A. INITIAL AGREEMENT EFFECTIVE DATE:
See Block 17a

9B. MODIFICATION EFFECTIVE DATE:
N/A

10. COMPLETION DATE
September 30, 2019

11A. PROGRAM STATUTORY AUTHORITY
Public Law 111-11, Title IX, Subtitle F - Secure Water, Section 9504 Water Management Improvement (a)(1)(C) and (D)

<table>
<thead>
<tr>
<th>11B. CFDA Number</th>
<th>11C. CFDA Title</th>
<th>11D. CFDA Code</th>
<th>11E. CFDA Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.555</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12. FUNDING INFORMATION

<table>
<thead>
<tr>
<th>RECIPIENT/OTHER</th>
<th>RECLAMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>$6,006,747</td>
<td>$3,300,000</td>
</tr>
</tbody>
</table>

13. REQUISITION NUMBER

20092778

14A. ACCOUNTING AND APPROPRIATION DATA

Cost Center: RR02013000
Fund: 16XR0680A3 ($1,001,925) / 15XR0680A3 ($2,298,075)
WBS: RA.17852300.16000000

14B. TREASURY ACCOUNT FUNDING SYMBOL

14X0680

15. PROJECT TITLE
Friant-Kern Canal (FKC) Reverse Flow Pump-Back Project

16. NAME, TITLE, AND TELEPHONE NUMBER OF SIGNER
Jason R. Phillips, Chief Executive Officer

Phone: 559.562.6305

17. NAME OF GRANTS OFFICER
Christina A. Muñoz

17a. Award of this Assistance Agreement in accordance with the terms and conditions contained herein is hereby made on behalf of the United States of America, Department of the Interior, Bureau of Reclamation

BY: Jason R. Phillips
DATE: August 26, 2016

17b. NAME OF GRANTS OFFICER
Christina A. Muñoz

BY: Christina A. Muñoz
DATE: August 26, 2016

☐ Additional signatures are attached
STATE OF CALIFORNIA
CALIFORNIA NATURAL RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Agreement Number: 4600012786

FUNDING AGREEMENT BETWEEN THE STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
AND
FRIANT WATER AUTHORITY

A PART OF THE EMERGENCY DROUGHT FUNDING ASSISTANCE PROGRAM
PURSUANT TO
ITEM 3860-101-0001 OF THE BUDGET ACT OF 2017
FUNDING AGREEMENT BETWEEN THE STATE OF CALIFORNIA (DEPARTMENT OF WATER RESOURCES) AND FRIANT WATER AUTHORITY 4600012786 ITEM 3860-101-0001 OF THE BUDGET ACT OF 2017

THIS FUNDING AGREEMENT is entered into by and between the Department of Water Resources of the State of California, herein referred to as the "State" and the Friant Water Authority, in the State of California, duly organized, existing, and acting pursuant to the laws thereof, herein referred to as the "Funding Recipient", which parties do hereby agree as follows:

1) PURPOSE. State shall provide funding from Item 3860-101-0001 of the Budget Act of 2017 to Funding Recipient to assist in financing the Friant-Kern Canal Pump-Back Project, herein referred to as the "Project."

2) TERM OF FUNDING AGREEMENT. The term of this Funding Agreement begins on June 1, 2018, and terminates on June 30, 2020. Execution date is the date the State signs this Funding Agreement indicated on page 8.

3) FUNDING AMOUNT. The maximum amount payable by the State under this Agreement shall not exceed $4,000,000.00. The total amount of funding for this agreement is $4,000,000.00. The cost of the Project is expected to be $48,637,000.00. The breakdown of the estimated total cost is shown below. DWR's share of the cost will not exceed $4,000,000.00.

<table>
<thead>
<tr>
<th>FUNDING SOURCES</th>
<th>TOTAL COST BY SOURCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recipient funding</td>
<td>$41,337,000.00</td>
</tr>
<tr>
<td>DWR funding (this agreement)</td>
<td>$4,000,000.00</td>
</tr>
<tr>
<td>U.S. Bureau of Reclamation funding</td>
<td>$3,300,000.00</td>
</tr>
<tr>
<td>Other funding</td>
<td>N/A</td>
</tr>
<tr>
<td>TOTALS</td>
<td>$48,636,453.80</td>
</tr>
</tbody>
</table>

4) FUNDING RecoNent'S RESPONSIBILITY. Funding Recipient and its representatives shall:

1. Faithfully and expeditiously perform or cause to be performed all Project work as described in Exhibit A (Work Plan) and in accordance with Project Exhibit B (Budget) and Exhibit C (Schedule) provided, however, the State and Funding Recipient acknowledge and agree that Funding Recipient may, in good faith, elect not to proceed with the Project prior to the initiation of physical construction activities, and such good-faith election not to proceed with the Project will not be considered a default under this Funding Agreement.

2. Accept and agree to comply with all terms, provisions, conditions, and written commitments of this Funding Agreement, including all incorporated documents, and to fulfill all assurances, declarations, representations, and statements made by Funding Recipient in the application, documents, amendments, and communications filed in support of its request for financing.

3. Comply with all applicable California laws and regulations.

4. Implement the Project in accordance with applicable provisions of the law.

5. Fulfill its obligations under the Funding Agreement and be responsible for the performance of the Project.
DATE: April 13, 2020
TO: Executive Committee
THROUGH: Douglas DeFlitch, Chief Operating Officer
FROM: Janet Atkinson and Bill Swanson
SUBJECT: Friant-Kern Canal Middle Reach Capacity Correction Project Update

SUMMARY:
The FKC Middle Reach Capacity Correction Project (Project) is to correct the conveyance capacity problems caused by subsidence and original Project design deficiency from MP 88 (Fifth Avenue Check) to MP 121.5 (Lake Woollomes Check). The Board of Directors (BOD) selected the proposed alternative that consists of a parallel or realigned canal along with enlargement of certain segments of the existing canal (Canal Enlargement & Realignment – “CER”) at the April 25, 2019 BOD meeting for continued design development, environmental compliance and permitting. Current work items include 1) final design; 2) environmental compliance/permitting activities; and 3) land acquisition program.

DISCUSSION/UPDATE: The following is a summary of the work completed since the last BOD update:

Reclamation Schedule Update and Coordination Meetings – Several working group meetings were conducted (Environmental, Right-of-Way, Design, and Project Management). Provided below is the current milestone implementation schedule.

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOI/NOP Published</td>
<td>December 2, 2019</td>
</tr>
<tr>
<td>Feasibility Report provided to OMB</td>
<td>January 28, 2020</td>
</tr>
<tr>
<td>30-Percent Design Report - Final</td>
<td>February 24, 2020</td>
</tr>
<tr>
<td>NOA/Draft EIS/EIR Published</td>
<td>May 08, 2020</td>
</tr>
<tr>
<td>Biological Opinion Issued</td>
<td>May 7, 2020</td>
</tr>
<tr>
<td>Project Section 106 Complete</td>
<td>May 28, 2020</td>
</tr>
<tr>
<td>100-Percent Bid Issue Design Completion</td>
<td>October 21, 2020</td>
</tr>
<tr>
<td>NOA/NOD/FEIS/EIR Published</td>
<td>September 11, 2020</td>
</tr>
</tbody>
</table>
The above is a fairly aggressive schedule that the team is committed to meeting. It is anticipated that it will take several months after the ROD is published to finalize activities such as permit acquisition, right-of-way acquisition and funding program. It is estimated that a construction contract award would occur in the first half of FY 2021.

**Feasibility Report** - Reclamation submitted the Administrative Draft Feasibility Report to OMB on January 28th. This represents a significant milestone in the Project’s implementation schedule. OMB briefing was conducted the week of April 6th and the Project received complimentary feedback.

**Environmental Compliance, Cultural Resources and Permitting** - Following is a description of NEPA/CEQA compliance and Permitting activities for the Project.

- Issued the Pre-Public Draft EIS/EIR to Reclamation for review on March 27th that incorporated revisions made as a result of comments provided on the 2nd Admin Draft EIS/EIR.
- Received comments on the Pre-Public Draft EIS/EIR on April 7th, and updated documents to incorporate comments received. Provided revised Pre-Public Draft to Reclamation on April 10th.
- Continued to conduct check-in meeting with the United States Army Corps of Engineers (USACE) regarding permitting, their involvement as a cooperating agency, and status of wetland delineation review.
- Provided support to FWA regarding review of the draft amended Programmatic Agreement (PA) for the FKC.
- USFWS has prepared a first draft of the biological opinion that is under senior review within the agency. Stantec supported FWA’s review and have provided review comments to Reclamation. These comments are currently under review by Reclamation for inclusion in comments to be provided to USFWS.
- Completed early season botany surveys.
- Initiated development of mitigation implementation planning.
- The draft cultural resources report (Section 106 report) was submitted to Reclamation on April 1st. Reclamation is presently reviewing the report.
- The cultural team is continuing to work to provide information to Reclamation to respond to their request to provide some additional geoarchaeology investigations in areas of high to highest sensitivity within the project alignment.
- Conducted additional cultural field work investigations to review the property in the vicinity of the extensometer.
Engineering and Design

- Continued to support the Value Engineering Study by conducting engineering analyses to support decision-making.
- Supported decision making on subsidence phasing criteria.
- Prepared hydraulic, engineering and cost analyses to support construction sequencing decisions.
- Supported Tulare County coordination with FWA.
- Continued developing turnout drawings, check structures, conceptual construction staging area needs, and utility relocation concepts.
- Continued structural, electrical, mechanic and civil designs.
- Completed the turnout delivery pool concept revision to division box concepts.
- Completed additional field surveying work.
- Continued to update utility tracking logs, updated mapping files with utility information and coordinated with utility owners.
- Revised 2 legal descriptions and these have been approved by Reclamation.
- Reviewed comments received on the Draft Geotechnical Data Report.
- Continued preparation of the Road Crossing Siphons Report, and Geotechnical Interpretive Report.

Land Acquisition

- Worked on the action items established during the joint Friant, BOR, Stantec bi-weekly meetings.
- All initial Statement of Works (SOW) have been submitted and approved on the current design. There are few outstanding parcels that the final RW has not been determined, these parcels will be completed as the final design is approved. The SOW process caused a month delay in the delivery of appraisals. The original conversations with AVSO indicated that one statement of work with all appraisal exhibits would be accepted AVSO. After the initial review of the Statement of Work, AVSO wanted an individual SOW for each parcel including approved plat and legal. BRI has worked diligently to make up this one-month delay.
- BRI worked with the Survey team to order the remaining field surveys as needed. The field survey gives the right of way boundaries, and the staking for each parcel shows the owners and the appraisal team an accurate accounting of improvements in the Right of Way area and is accounted for in the appraisal.
- COVID 19 has caused some delays in the appraisal inspections due to the property owners and their employees’ concerns. Currently all owners and employees concerns have been addressed, and all appraisal inspections have been completed for the current approved design.
- The COVID 19 has delayed the initial submittal of appraisals. COVID 19 pandemic has caused delays in delivery, most notable a scope change requested by AVSO. On March 26th AVSO requested BRI to address the current market conditions with COVID 19. As such, the prior effective dates were no longer good and new market data searches and market discussions were needed. The previous effective dates of value needed to be within 30-days of delivery, but the new scope states that the effective date needs to be within 7-days of delivery.
• BRI will address in each appraisal assignment (BOR Case/IVIS No.) current market conditions, recognizing the recent COVID-19 pandemic and the recent instability of the financial market, among other conditions.
• BRI has submitted 20 appraisals to AVSO for approval.
• BRI and FWA continue to develop purchase agreement template for the Project.
• A total of 45 site field inspections are completed on the ASTM 1527-13 Phase 1 Environmental Site Assessments (Phase 1 ESA). Heavy rain has delayed the last few inspections as the farmers would not allow inspections on wet planted areas. All inspections are scheduled.
• 22 ASTM 1527-13 Phase 1 Environmental Site Assessments (Phase 1 ESA) reports, have been delivered to FWA and BOR for review and comment.
• Relocation Impact Memo has been accepted by BOR. This gives BRI the approval for the relocation process that will be needed for the single-family residence.
• Williamson Act Notifications have been completed and Notification has been sent to Department of Conservation and Tulare County Resource Management Agency for review and comment. This will complete the first stage of clearing title for fee acquisitions.
• FWA and BRI have reviewed 11 of the Phase 1 reports that have Phase 2 recommendations. Ongoing review and determination of the number of Environmental Site Assessment (Phase 2) will continue with FWA and BOR.

**Landowner Coordination and Right-of-Entry (ROE) Support**

• Continued to provide landowner coordination as needed.

**RECOMMENDED ACTION:**

None.

**SUGGESTED MOTION:**

None.
DATE: April 13, 2020

TO: Executive Committee

FROM Alex Biering, Government Affairs and Communications Manager
Johnny Amaral, Chief of External Affairs

SUBJECT: External Affairs Update

SUMMARY:
Update on State and Federal legislation and communications activities.

RECOMMENDED ACTION:
None; informational only.

SUGGESTED MOTION:
None; informational only.

DISCUSSION:
State Affairs

The California Legislature has extended the suspension of its session to May 4 in response to COVID-19 and stay-at-home orders. There is still an opportunity to stay on track with normal legislative business and the traditional schedule for development of the budget and passage of laws, but a great deal of uncertainty still exists.

There is speculation among many in the Capitol community that the proposed climate resilience bond expected for the November 2020 ballot will be postponed, although no official announcements have been made to that effect.

Budget chairs in the Assembly and Senate have both sent letters to members directing them not to submit budget requests for anything unrelated to COVID-19. However, at the same time, there are discussions of a potential spending package that could take the form of budget trailer bills to be passed in August; this would be similar to the state’s version of a “stimulus” bill, although it will be somewhat dependent on how much of California’s “rainy day fund” budget surplus remains. At the beginning of 2020, California’s budget surplus was more than $22 billion. The state has already depleted about $3 billion in responding to COVID-19.

FWA staff and consultants will continue to stay engaged on bond and budget talks to ensure funding for the Friant-Kern Canal remains on the table. FWA staff are still actively working with Senator Melissa
Hurtado’s office on a strategy to request funding for the Friant-Kern Canal, potentially through whatever spending package emerges this summer.

Federal Affairs

The United States Capitol complex has restricted access until at least April 12, but that hasn’t slowed the discussions about various iterations of “stimulus bills,” including direct payments for individuals that meet certain income thresholds, potential bailouts for certain industries, financial assistance programs for small business, and the potential for an infrastructure package for projects that are ready for construction within the next 6-18 months. FWA staff and consultants are following closely and providing information to leadership and Administration officials for FKC consideration, but that situation is very fluid.

Communications and Recent News

The FWA Waterline was distributed on March 31. If you aren’t getting these, or want to add others to the email list, please contact any member of the FWA team or email information@friantwater.org.

BUDGET IMPACT:

None.

ATTACHMENTS:

Letter from bi-partisan State Legislators to Gov. Newsom on the State’s Incidental Take Permit for the State Water Project long-term operations (April 3, 2020)
April 3, 2020

The Honorable Gavin Newsom
Governor, State of California
State Capitol
Sacramento, CA 95814

Dear Governor Newsom:

We are writing to raise serious concerns with your administration’s unprecedented Incidental Take Permit for the Long-Term Operation of the State Water Project. This action will no doubt overly complicate operation of California’s water infrastructure by reducing overall water supplies and further intensifying the discord between the State Water Project and the Central Valley Project. To avoid escalating this needless water war and forcing the state to face costly litigation, we ask that you reconsider this decision.

Nothing is more vital to ensuring that California families, farms, and communities receive a reliable source of water than the successful collaboration of the state’s two water projects. Responsible for delivering water throughout Southern California and the Bay Area, these two water systems are crucial for providing safe drinking water to millions of families and for helping farmers fill shelves at local grocery stores. Yet, the state’s reduction of available water directly limits access to safe drinking water in urban and suburban communities and the ability of farmers to produce needed food.

Historically, California has managed the State Water Project in compliance with the operation and wildlife protection measures required by the biological opinions produced by federal agencies. As these recommendations were produced implementing the most up-to-date data and science that preserved a necessary balance between the needs of people and the environment, your administration’s decision to ignore these biological opinions flies in the face of reason.

As our nation deals with and responds to COVID-19, it is important that we consider ways to help, not hinder, those who need it. At this time, we should not ignore the needs of California families nor those of essential agricultural producers. Now is not the time to issue further restrictions on access to desperately needed water.

We strongly urge you to reconsider this potentially devastating action. To ensure that Californians have access to the water they need, we recommend that your administration not pursue litigation against the 2019 biological opinions and that the State of California issue a consistency determination. Both of these actions will help move California in the right direction.
by allowing the State Water Project and Central Valley Project to resume coordinated operations. We cannot emphasize enough that at this critical juncture for California, failure to act prudently will further jeopardize the welfare of Californians that depend on this stable supply of water.

Thank you for your time and attention to this issue.

Respectfully,

Assemblymember Vince Fong  
34th Assembly District

Senator Shannon Grove  
16th Senate District

Assemblymember James Gallagher  
3rd Assembly District

Assemblymember Devon Mathis  
26th Assembly District

Senator Melissa Hurtado  
14th Senate District

Assemblymember Jordan Cunningham  
35th Assembly District

Assemblymember Jim Patterson  
23rd Assembly District
DATE: April 13, 2020

TO: Friant Water Authority, Executive Committee

FROM Ian Buck-Macleod, Water Resources Manager

SUBJECT: 2020 CVP Allocation and Water Operations Update

SUMMARY:
On April 6 Reclamation updated the water supply allocation for the Friant Division, increasing the Class 1 allocation from 20% to 40%. On March 20 Reclamation updated the SJRRP allocation from a Critical-High to Dry Year type. The initial allocation made on February 25 for south-of-Delta contractors has remained the same. Current allocations are summarized as follows:

- Friant Division Class 1: 40%
- Friant Division Class 2: 0%
- CVP SOD Ag: 15%
- CVP SOD M&I: Greater of 65% of contract or Public Health and Safety requirement
- Exchange Contractors and Refuge Level 2: 100%
- SJRRP: Dry Year allocation set at 155,335 AF at Gravelly Ford

Recent April storms have indicated a significant increase in forecasted runoff for central and southern Sierras. Based on the blended forecast for San Joaquin River, there will likely be an increase in SJRRP allocation next week. In addition, recent modeling performed by FWA indicates a need for another increase in the allocation for the Friant Division.

The April 1 DWR Bulletin 120 exceedance forecasts still straddle a Shasta Critical (<3.2MAF inflow) and Non-Critical Year for the 90% and 50% Shasta inflow exceedance, respectively; however, the CNRFC exceedance forecasts are all above this threshold. CVO is currently assessing if any change to the CVP SOD Ag allocation is required.

DISCUSSION:

Inflow Forecasts
Table 1 shows unimpaired inflow forecasts for Shasta and Millerton based on recent DWR and CNRFC forecasts. Storms in March and early April have significantly assisted with lack of precipitation in February especially in the central and southern Sierras. However, the Sacramento Valley Water Year is still
considered Dry for all exceedances except the 99%, and the San Joaquin Valley Water Year is Dry for 50% exceedance and Critical-High for 75% exceedances. The 3-day outlook as of April 9 is showing about a quarter-inch of precipitation in the central and southern Sierras with dry pattern forecasted the next two weeks. The first Airborne Snow Observatory (ASO) flight for San Joaquin Basin was flown April 2-3; however, we were notified this week by Reclamation that the data produced was unusable and would require another flight April 11-12, and anticipate to have results late next week.

Table 1. Unimpaired Inflow Forecasts for WY 2020

<table>
<thead>
<tr>
<th>Item</th>
<th>Exceedance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90%</td>
</tr>
<tr>
<td>CNRFC Shasta Unimpaired Inflow (TAF)¹</td>
<td>3310</td>
</tr>
<tr>
<td>DWR Shasta Unimpaired Inflow (TAF)²</td>
<td>3075</td>
</tr>
<tr>
<td>SCCAO Blended Millerton Unimpaired Inflow (TAF)³</td>
<td>765</td>
</tr>
</tbody>
</table>

Notes:
¹ As of April 9
² April 1 Bulletin 120
³ As of April 8, using modified blend of CNRFC (80%) and DWR (20%) exceedance forecasts.

CVP SOD Allocation
Overall CVP North-of-Delta Reservoirs are above normal; Trinity, Shasta, and Folsom are at 110%, 101%, and 82% of their 15-year average storages for this week, respectively. The Delta is currently in excess conditions with restrictions; CVP exports are controlled by Spring X2 water quality requirements, however SWP exports have been reduced to comply with recently released Incidental Take Permit issues by the California Department of Fish and Wildlife on April 1. The D-1641 31-Day Export Limit to protect out-migrating San Joaquin River salmonids is now scheduled to start April 10 based on projected fish migration. During this period, combined CVP-SWP exports will be limited to the three-day average flow of the San Joaquin River at Vernalis (i.e. San Joaquin I:E 1:1).

Exchange Contractors
The April 1 DWR Bulletin 120 exceedance forecasts still straddle a Shasta Critical (<3.2MAF inflow) and Non-Critical Year for the 90% and 50% Shasta inflow exceedance, respectively; however, the CNRFC exceedance forecasts are all above this threshold. Reclamation notified Exchange Contractors, Refuges, and Settlement Contractors last month that we could be trending to a Shasta Critical Year, however it is likely this month the full allocation will not be adjusted.

CVP SOD Agriculture Contractors
CVO is currently assessing if any change to the CVP SOD Ag allocation is required. Based on CVO’s March operations 90% exceedance forecast, San Luis Reservoir Federal share was estimated to be expended in June and as negative as 230 TAF in August (see Table 2) if current allocations are maintained.
Table 2. San Luis Reservoir Federal End of Month Storage (TAF)

<table>
<thead>
<tr>
<th>Exceedance</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Jan</th>
<th>Feb</th>
</tr>
</thead>
<tbody>
<tr>
<td>90%</td>
<td>338</td>
<td>285</td>
<td>151</td>
<td>-26</td>
<td>-192</td>
<td>-230</td>
<td>-145</td>
<td>-81</td>
<td>-81</td>
<td>2</td>
<td>198</td>
<td>176</td>
</tr>
<tr>
<td>50%</td>
<td>351</td>
<td>298</td>
<td>163</td>
<td>-46</td>
<td>-59</td>
<td>-36</td>
<td>55</td>
<td>194</td>
<td>390</td>
<td>611</td>
<td>812</td>
<td>965</td>
</tr>
</tbody>
</table>

Note: Provided by CVO on March 25. Federal share excludes estimated 192 TAF of CVP carryover. Provided by CVO on 3/24/2020 and assumes no change to existing CVP allocation.

Cumulative March exports trended in line with the 50% exceedance estimate, and early April exports trended 40 TAF higher (Figure 1). In addition to recent weather, this benefit is attributed to the change in Biological Opinions, which previously would be limited by San Joaquin I:E 1:1 starting April 1. Storages in both San Luis Reservoir and Shasta Lake were worse than projections in March, however have now been exceeded to date in April. San Luis Reservoir is ahead by 70 TAF, which will help offset prior negative estimates starting in June, but will likely not be sufficient to support maintaining a CVP SOD Ag allocation of 15%. The determination for the San Joaquin Valley Water Year Type as it relates to D-1641 requirements is based on 75% exceedance in the May. Currently this is classified as a Critical-High, however the 50% is Dry, which would require more Vernalis outflow and limit export benefits from increased San Joaquin watershed supply. CVO is currently assessing its ability to pull more on NOD reservoirs to meet Delta inflow requirements, balance temperature requirements, and provide more exports prior to making any allocation reductions. Any change to the allocation is anticipated around April 20 with follow-up CVO forecast meeting that week.

Figure 1. Daily and Cumulative Jones Pumping - March Exceedances and Actuals to Date (4/7/20)
Figure 2. San Luis Reservoir Federal Storage - March Exceedances and Actuals to Date (4/7/20)

Figure 2. Shasta Lake Storage - March Exceedances and Actuals to Date (4/7/20)
Temperature Management
As discussed last month, temperature management in Shasta Lake is a concern for this summer; however, recent storms have assisted in exceeding prior estimates for storage and Reclamation is hopeful to be able to use the upper shutters of the temperature control device (>3.7 MAF). Reclamation is analyzing if Tier 3 temperature management will be maintained. Under the new Biological Opinions, Tier 3 will require additional consultation with NMFS to determine potential additional actions and focus on preventing dropping into Tier 4.

Coordinated Operation Agreement
The Sacramento River Index for the 50% exceedance, which is used for defining requirements in D-1641 and COA dropped, from above normal to dry (and is critical in the 90%). Dry year designation results in less stringent D-1641 requirements over the summer; and under the new COA, Sacramento in-basin use share drops from 75/25 for CVP/SWP to 65/35. FWA is estimating the new COA is benefiting the CVP by about 240 TAF in comparison to old COA for this year type.

Friant Division Allocation
San Joaquin River Restoration Program
Reclamation notified the Restoration Administrator for San Joaquin River Restoration Program on March 20 that this year’s allocation has been updated from a Critical-High to Dry year, resulting in an increase of about 85 TAF at Gravelly Ford (155 TAF total). The Restoration Administrator did not issue a new Restoration flow schedule based on this allocation change in March due to hydrology concerns. He has indicated he will issue a new flow schedule next week based on this last allocation that will include removal of any URF exchanges and Buffer Flows considered in his last schedule. In addition, there will likely be some URF sales, but will not be announced till May when hydrology is more defined. Based on the recent blended forecast for San Joaquin River, it is anticipated there will be another increase in SJRRP allocation next week up to approximately 211 TAF at Gravelly Ford and will likely result in more URFs currently being contemplated.

Reclamation submitted a petition to SWRCB for a temporary water transfer in January for Lower San Joaquin Recapture. The petition was published, and public comment period ended February 24; 1-year transfers are exempt from CEQA, however SWRCB will be examining if there is injury to other legal users of water and fish and wildlife. Given the conditions for the diversions and the previous actions, there shouldn’t be any need for new research or even drafting an order that is different from prior years. SWRCB had originally planned to have the order completed by March 23 ahead of the expiration of the current order that expired on April 7. SWRCB staff notified Reclamation last week that due to the current COVID-19 crisis they have not been able to brief management and requested an extension till May 21. Reclamation countered back with a two extension till April 20, noting that each day after April 7 is approximately 50 TAF of lost opportunity.

Friant Division Contractors
The increased runoff estimates could result in the Mammoth Pool agreement reducing inflows into Millerton Lake through September (if April-July inflow > 650 TAF). In addition to changes in SJRRP allocation and Mammoth Pool agreement, there will need to be careful deadpool management while maximizing water supply ahead of planning Friant-Kern Canal drawdown starting in November. Recent
modeling performed by FWA indicates a need for another increase in the allocation for the Friant Division ranging from 50-60%.
DATE: April 13, 2020
TO: Executive Committee
FROM: Austin Ewell
SUBJECT: Water Blueprint for the SJV

SUMMARY:
The Water Blueprint for the San Joaquin Valley (Group) held its last large Group meeting on March 19th. Some 70 participants make up the Blueprint large group including Farm Bureaus, Water Authorities, Districts, Growers, Trade Associations, Fresno State, GSAs and white land interests. Our meetings have recently included the Bureau of Reclamation and Self Help enterprises, we are thankful to have their participation. A comprehensive and collaborative plan is under development that the San Joaquin Valley (broad coalition) can support and advocate for with a focus on solutions in coordination with key stakeholders. The Group is working with state representatives to include the Blueprint into the Governor’s Water Resiliency Plan (WRP) with possible funding opportunities including a bond.

An annual summary has been sent to participants that highlights milestones from this past year as well as the 2020 invoices. The Steering Committee for Phase II is reengaging to look at a solution set. The Group and the following committees listed are pursuing the goals of Blueprint, including funding opportunities and working in conjunction with other stakeholders.

Socio-Economic Impact Analysis Phase I completed: A number of presentations and events were completed and others have been rescheduled. Prior to the shelter in place order we have been implementing a communications plan to highlight the EIA: including up to 1,000,000 acres may be fallowed in the San Joaquin Valley over a period of 2-3 decades as a result of reduced ground and surface water availability. Approximately $500 million of tax revenue will be lost in the SJV. Roughly 20% of farms will be eliminated in the SJV. The revenue loss associated with this fallowing would be up to $7.2 billion per year, and the lost net income to farmers would be up to $1.9 billion per year.

Project Implementation Status: We are implementing Planning and Engineering services to support the development, evaluation, and selection of activities that will be pursued with the support of the Blueprint entity, including: Implementation of SGMA in the San Joaquin Valley, Development of a water supply plan to minimize loss of working lands, degradation of groundwater quality, loss or jobs, and other regional economic impacts, Development of an environmental plan to manage land use changes for agricultural lands that unavoidably must come out of production, and Develop safe, clean affordable water supplies for disadvantaged communities.

Water Resiliency Portfolio: We are awaiting responses from the Governor’s office on the comments that were submitted on 2/7/20. The Blueprint requested focus on addressing SGMA in the Valley and planning for the impacts associated with land conversion. There remains a focus on reiterating the need for the Blueprint and real solutions to the crisis before us as highlighted by the Economic Report.
The Committees are working on the following matters:

1) Regional Representation & Technical Support: The committee has engaged technical experts Stantec and MBK to provide project and cost estimates to be included in Phase II. Technical Committee continues to meet and discuss the project list and related matters. The Group is looking to circulate a solicitation to GSAs for their involvement. Blueprint is looking for additional technical funding sources through several sources including BOR and DWR.

2) Engagement and Outreach (i.e. Disadvantaged Communities, Environmental Organizations & Urbans). The committee is continuing to meet with eNGOs, DACs, State and Federal Representatives along with the Brattle Group to go over the EIA and ways to work together. Additional meetings with organizations and entities continue with the goal of getting their engagement in the Blueprint. Self-Help has identified a pilot project to locate recharge opportunities, DAC proximity within the place of use boundaries in order work together in line with the Blueprint efforts.

3) Funding, Finance & Governance: Blueprint is sent 2020 invoices and payments are being received. An updated budget has been prepared for 2020 to reflect the governance structure, project management, the economic report as well as related services.

4) Advocacy & Public Relations: A communications plan and talking points are being used and members are meeting regularly with advocacy assets to discuss priorities, which include the WRP, Governor’s budget, Bonds and additional support. Blueprint and Committee members have met with elected in Sacramento and key Administration officials about the details and implementation of the Blueprint.

RECOMMENDED ACTION:

There is no recommended action at this time. The Board gave initial direction to pursue this collective effort and report back on its status.

BUDGET IMPACT:

None

ATTACHMENTS:

None