

**RECLAMATION DISTRICT NO. 828  
WEBER TRACT  
BOARD OF TRUSTEES MEETING  
TUESDAY, APRIL 24, 2018  
8:30 AM  
ENGINEER'S REPORT**

**I. AB 360 DELTA LEVEE SUBVENTIONS PROGRAM**

- a. Review requirements for 5 year Plan from the California Department of Water Resources. Discuss cost share agreement and authority to request work agreement.

*EXHIBIT A: Five Year Plan Solicitation and response from KSN Inc. dated March 23, 2018.*

- b. Review potential sunset of the Subvention Program and potential change in cost share formula.

**II. CALTRANS LEVEE EROSION REPAIR BENEATH INTERSTATE 5 BRIDGE**

- a. Review Caltrans efforts and discuss erosion repairs beneath I-5 Bridge across the District's levee.

**III. SJAFCA SMITH CANAL GATE STRUCTURE PROJECT**

- a. Update on Smith Canal gate closure project.

A



Stephen K. Sinnock, P.E.  
Christopher H. Neudeck, P.E.  
Neal T. Colwell, P.E.  
Barry O'Regan, P.E.

1204-0200  
03-100

March 23, 2018

Andrea L. Lobato, P.E., Manager  
Delta Levees Program  
Department of Water Resources  
3310 El Camino Avenue, Room 152  
Sacramento, CA 95814

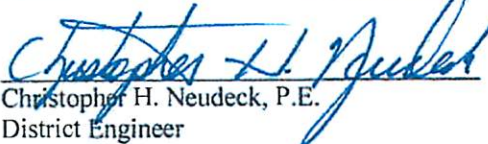
Re: RD No. 0828 - Weber Tract  
Five Year Plan Solicitation, dated February 23, 2018

Dear Ms. Lobato,

On behalf of Reclamation District No. RD No. 0828 - Weber Tract (hereafter "District"), we respectfully request participation in developing a strategic Five Year Plan for rehabilitation and maintenance of District facilities. This funding will allow the District to perform the necessary levee system evaluations to better determine the extent of rehabilitation required to meet the long-term goals of the District. After entering into a work agreement, the District will be enabled to prepare a new Five Year Plan in accordance with your "Five-Year Plan Solicitation" letter dated February 23, 2018, and with the "2018 Requirements for the Five-Year-Plan", both enclosed for reference.

We thank you for the solicitation and look forward to a successful project. If you have any questions or require further information, please contact Erik Almaas or myself at (209) 946-0268.

Sincerely,  
KJELDTSEN, SINNOCK & NEUDECK, INC.



Christopher H. Neudeck, P.E.  
District Engineer

w/enclosures

cc: RD No. 0828 - Weber Tract

**DEPARTMENT OF WATER RESOURCES**

DIVISION OF FLOOD MANAGEMENT  
P.O. BOX 219000  
SACRAMENTO, CA 95821-9000



February 23, 2018

**Delta Levees Special Flood Control Projects Program – Five-Year Plan Solicitation**

Dear:

**Introduction**

The Delta Levees Special Flood Control Projects Program (Program) is pleased to announce the release of the 2018 Five-Year Plan Solicitation (Solicitation). This Solicitation provides up to \$3,500,000 in local assistance funding from Propositions 1E and 84 for the development or update of Five-Year Plans to support levee work in the Delta that integrates levee and habitat improvement while protecting discrete and identifiable public benefits. **Note that continued eligibility for any Program funds will require that local agencies have an acceptable and updated Five-Year Plan on file with the Program.**

**Background**

The Program was established in 1988 by Senate Bill 34, and continues to operate under subsequent legislation that extends and provides funding for the Program. Originally authorized to address flooding on the Eight Western Islands, Thornton, New Hope, and Walnut Grove, the Program was expanded in 1996 to the entire Delta and to portions of Suisun Marsh. The passage of Proposition 1E and Proposition 84 in November 2006 significantly increased the amount of money available for levee projects in the Delta. The Department has invested over \$350 million dollars in flood control and habitat projects that are carried out by participating local levee maintaining agencies in the Delta. In 2009, the Program initiated cost share agreements to assist local efforts to produce Five-Year Plans for 60 Delta islands/tracts to support levee work. These plans were completed and are used to guide Program expenditures in the Delta.

**Five-Year Plan Cost Share Solicitation**

This Solicitation seeks eligible plans that include but are not limited to levee improvement, habitat enhancement, emergency response, seismic resiliency, and export water supply reliability. Future Project work incorporated into new or updated Five-Year Plans will follow criteria under the current Program Guidelines: **2014 Guidelines for Providing Funding to Local Public Agencies**. The Guidelines are available at:

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<https://www.water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Flood-Management/Delta-Flood-Protection/Files/Delta-Levees-Special-Flood-Control-Projects-Guidelines-2014.pdf>

The Program will provide 100 percent cost share funding up to \$35,000 per plan to update existing Five-Year Plans and up to \$50,000 per plan for the development of new Five-Year Plans (the higher limit is only available to islands/tracts that did not participate in Five-Year Plan development in 2009). The Program will provide 50 percent cost share funding on new Five-Year Plans that exceed \$50,000, and on updates to an existing Five-Year Plan that exceeds the \$35,000 limit. The Program will not cost share plan development costs in excess of \$75,000 (0 percent State cost share).

Interested applicants are requested to submit a Five-Year Plan Letter Proposal requesting participation. Applicants who participate in the development of a Five-Year Plan must follow the requirements provided in the attached 2018 Requirements for Five-Year Plans. **Applicants are also encouraged to coordinate with local, State and federal agencies, as appropriate, while preparing their Five-Year Plans.**

**Letter Proposals are due to the Department of Water Resources by April 2, 2018.**

Letter Proposals may be mailed or hand delivered to:

**Andrea L. Lobato, P.E., Manager  
Delta Levees Program  
Department of Water Resources  
3310 El Camino Avenue, Room 152  
Sacramento, California 95814**

**Submittals by US Post Office must be postmarked no later than April 2, 2018.**

If you have any questions please call me at (916) 480-5367, or Jon Wright at (916) 480-5369.

Sincerely,



**Andrea L. Lobato, P.E., Manager  
Delta Levees Program**

Attachment

## **Attachment**

# **2018 Requirements for the Five-Year-Plan**

This *Requirements for the Five-Year Plan* (Requirements) specifies the format and content for the Five-Year Plan (Plan) submittal in response to the 2018 Five-Year Plan Solicitation by the Delta Levees Special Flood Control Projects Program (Special Projects). Please also complete the *Table of Required Tabulated Information* in these Requirements. Items in the Table may be discussed separately in the Plan text but must be provided in tabular form for the Plan to be considered for funding.

### **General Content:**

- 1) **A cover page.**
- 2) **A table of contents.**
- 3) **A clear description of each item listed in the Requirements.**
- 4) **An index for the appendices.**

### **Section 1: Executive Summary** (recommend 1 page)

- 1) **Provide a summary of the Plan, including:**
  - a. The objective of the Plan.
  - b. The desired level of protection for the Local Agency's levee system.
  - c. How involvement with DWR will help the Local Agency achieve this goal.
  - d. How involvement with other agencies will help the Local Agency achieve this goal.

### **Section 2: Background** (recommend 5 pages)

- 1) **Assessment of the status of existing levee system**
  - a. Describe historical flood problems, including:
    - i) Dates of events.
    - ii) Estimated flood frequencies of events.
    - iii) Levee performance during these events
    - iv) Consequences of events.
  - b. What is the existing level of protection provided by the levee system? Include the source of this information. Specifically:
    - i) What portion of the levee is below or at the Hazard Mitigation Plan (HMP) Standard?
    - ii) What portion of the levee is at the PL84-99 or Bulletin 192-82 Standard?
    - iii) What portion of the levee is above the PL84-99 or Bulletin 192-82 Standard?
    - iv) If the Local Agency is not able to reach the HMP Standard, explain why and what standard the Local Agency is working toward. Also, include the dimensions of the levee standard.
    - v) Provide cross-sectional surveys taken within the past five years for every 100 ft. of the Local Agency's levee system. If there are no existing surveys, contact the Delta Levees Special Projects Program; new field surveys will be funded under the Subventions Program.
  - c. Provide a map showing the existing level of protection by the levee system, including:
    - i) The portion of the levee below the HMP Standard.
    - ii) The portion of the levee at the HMP Standard.
    - iii) The portion of the levee at the PL84-99 or Bulletin 192-82 Standard.
    - iv) The portion of the levee at above the PL84-99 or Bulletin 192-82 Standard.

**2) Previous Five-Year-Plan progress report**

- a. State if the Local Agency has previously submitted a Plan to the Program.
- b. Provide a review of your 2009 Five-Year Plan submittal, including:
  - i) Steps taken to achieve the objectives outlined in the Plan
  - ii) A statement of whether the objectives were achieved completely, partially, or not.
  - iii) If objectives were not achieved, provide a summary of why and what should be done differently to achieve the goals outlined in this Plan.

**3) History with the Delta Levees Program**

- a. Describe your past involvement with the Delta Levees Special Projects and Delta Levees Maintenance Subventions Programs. Include a statement as to whether and how that participation allowed the Local Agency to meet the 2009 Five-Year Plan objectives. Please provide as much information as possible.

**Section 3: Plan for Flood Protection (recommend 12 pages)**

**1) Desired level of protection and strategy to meet this goal**

The Plan should elaborate on the desired level of protection at the end of five years, including:

- a. A description of the desired level of protection as a goal to achieve in the next five years, including:
  - i) A typical cross-section of the desired level of protection.
  - ii) Justification if the levee standard selected is not one that is specifically supported by the Program.
- b. Phasing of the work, along with a list and description of proposed projects needed to achieve the five-year goal, including:
  - i) The stationing of levee improvements for each project.
  - ii) An approximation of the materials to be used for each project.
  - iii) Studies and reports that are anticipated to be conducted for each project.
  - iv) Provide a phasing map to specify the location of proposed projects.
- c. Total estimated cost of the work and its distribution for each project over the five years, including:
  - i) The estimated cost of planning, design and engineering, and construction costs.
  - ii) A paragraph describing any major assumptions made in the development of the cost estimate.
- d. Potential cost sharing with other partners (other than the Delta Levees Special Projects and Delta Levees Maintenance Subventions Programs).
- e. Requested cost sharing with the Delta Levees Special Projects Program, including:
  - i) A justification explaining how the Local Agency determined this amount
- f. Estimated schedule of work.
- g. A statement of how you expect the Delta Levees Special Projects and Delta Levees Maintenance Subventions Programs will contribute toward achievement of the five-year goals.
- h. A statement of how you expect other agencies to contribute toward achievement of the five-year goals.
- i. Discussion of potential constraints and obstacles to meet the desired level of protection and how the Local Agency plans to mitigate and/or overcome them

## **2) Identification of need for improvements to reduce existing hazards**

The Plan should provide an inventory of the local and non-local assets and critical infrastructure, both public and private, that is protected by the levees. Local assets are those for which the Local Agency can levy assessments for flood protection; non-local assets are those that the Local Agency cannot levy assessments. The Local Agency should identify public benefits where applicable, such as:

- a. Water quality.
- b. Recreation.
- c. Navigation.
- d. Fish and wildlife.
- e. Protection of State Infrastructure.
- f. Other (specify).

## **3) Identification of the risks for current land use based on the existing assets**

The Plan needs to discuss levee risks. In particular:

- a. Consequences of levee failure or breach.
- b. Existing deficiencies in the system, including low spots, rapid settlement areas, erosion sites, undercutting, seepage, boils, or voids under the levee, including:
  - i) The location (stationing) of existing deficiencies.
- c. Urgency of repair work.

## **4) Identification of opportunities for multi-benefit projects**

The Plan should, at a minimum, describe opportunities and significant constraints for achieving the following objectives:

- a. Ecosystem restoration and habitat enhancement.
- b. Reversing land subsidence.
- c. Ensuring adequate and effective emergency response plans.
- d. Improving water quality.
- e. Improving water supply reliability.
- f. Improving levee stability and integrity.
- g. Addressing Actions listed in the Governor's California Water Action Plan.

## **Section 4: Plan for Permits and Habitat (recommend 2 pages)**

### **1) Habitat Mitigation and Enhancement**

The Plan should describe how work to be carried out under the Plan will meet the requirements of Water Code Sections 12314 which requires no net loss of habitat and consistency with net habitat improvement. The Plan should briefly describe the following:

- a. Baseline habitat conditions prior to the Plan.
- b. The anticipated impact and benefit to habitats in the Plan.

### **2) Compliance with CEQA, and obtaining all required permits, etc.**

The Plan should describe all of the following:

- a. Types of permits and environmental compliance documents required.
- b. Status of the environmental documentation (if already underway).
- c. Status of the permit process (if already underway).
- d. The requirements and how they will be met for all local, State, and federal agencies that were considered while preparing their Five-Year Plans.



**Table of Required Tabulated Information**

Required Information	Value/Units	Discussion
Total acreage protected by Local Agency levees		
Total levee miles maintained by Local Agency		
Levee miles in the Local Agency service area that are not maintained through the Delta Levees Program (e.g. Dry levees, cross levees)		
Percentage of Local Agency's levee system at or above HMP Levee Standard		
Miles of Local Agency's levee system raised to meet the minimum HMP Standard through the Delta Levees Special Projects Program		
Percentage of Local Agency's levee system at or above Bulletin 192-82 Levee Standard		
Miles of Local Agency's levee system raised to meet the Bulletin 192-82 Levee Standard through the Delta Levees Special Projects Program		
Number of levee rehabilitation projects funded through the Delta Levees Special Projects Program		
Total State funds expended for levee rehabilitation projects on the Local Agency's Island/Tract through the Delta Levees Special Projects Program		
List of local and non-local assets and critical infrastructure protected by the Local Agency's levee system		

**RECLAMATION DISTRICT 828**

**BILLS TO BE PAID**

April 2018

NAME	INVOICE DATE	INVOICE #	AMOUNT	TOTAL \$	RATIFY	WARRANT #
CalMutuals	1/1/2018	214	\$100.00			
				\$100.00		
Dohrmann Insurance	2/15/2018	25123	\$3,428.00			
	2/15/2018	25124	\$550.00			
				\$3,978.00		
Kjeldsen, Sinnock, & Neudeck, Inc.	2/12/2018	22328	\$664.50			
	2/12/2018	22329	\$1,059.50			
	2/12/2018	22330	\$753.50			
	2/12/2018	22331	\$700.00			
	2/12/2018	22332	\$450.00			
	3/19/2018	22486	\$1,619.50			
	3/19/2018	22487	\$213.50			
	4/9/2018	22663	\$180.00			
	4/9/2018	22664	\$899.50			
	4/9/2018	22665	\$112.50			
	4/9/2018	22666	\$37.50			
				\$6,690.00		
Neumiller & Beardslee	1/18/2018	289970	\$460.00			
	2/20/2018	290503	\$2,735.46			
	3/13/2018	291043	\$580.52			
	4/20/2018	291746	\$461.88			
				\$4,237.86		
Trustee Stipend - April 2018 Meeting	Bill Mendelson		\$50.00	\$50.00		
Trustee Stipend - April 2018 Meeting	Paul Marsh		\$50.00	\$50.00		
Trustee Stipend - April 2018 Meeting	Debbie Provost		\$50.00	\$50.00		

TOTAL: **\$15,155.86**

**NOTES:**

Anticipated Fund Balance as of 3/31/18:	\$474,864.41
Less Submitted Bills for Payment:	\$15,155.86
<b>Total:</b>	<b>\$459,708.55</b>

**RECLAMATION DISTRICT 828**

**BILLS PAID**

January 2018

NAME	INVOICE DATE	INVOICE #	AMOUNT	TOTAL \$	RATIFY	WARRANT #
Business Printing Service (Warrants)	10/31/2017	18552	\$234.35			
				<b>\$234.35</b>	<b>X</b>	1285
Custom Spraying, Inc.	11/3/2017	11-1680	\$2,500.00			
				<b>\$2,500.00</b>		
Kjeldsen, Sinnock, & Neudeck, Inc.	11/13/2017	21830	\$720.00			
	11/13/2017	21831	\$1,300.46			
	11/13/2017	21832	\$160.00			
	11/13/2017	21833	\$675.00			
	11/13/2017	21834	\$192.50			
	12/18/2017	21989	\$1,369.00			
	12/18/2017	21990	\$132.00			
	12/18/2017	21991	\$3,895.04			
	12/18/2017	21992	\$310.00			
	1/12/2018	22137	\$652.00			
	1/12/2018	22138	\$357.00			
				<b>\$9,763.00</b>		
Neumiller & Beardslee	11/21/2017	288571	\$2,110.46			
	10/21/2017	289562	\$394.68			
				<b>\$2,505.14</b>		
SJ County Registrar (Election Expenses)	10/31/2017	cf-17025	\$50.00		<b>X</b>	1284
				<b>\$50.00</b>		
Schwartz Giannini Lantsberger & Adamson	10/31/2017	49766	\$3,100.00			
				<b>\$3,100.00</b>		
Trustee Stipend - January 2018 Meeting	Bill Mendelson		\$50.00	<b>\$50.00</b>		
Trustee Stipend - January 2018 Meeting	Paul Marsh		\$50.00	<b>\$50.00</b>		

TOTAL: **\$18,252.49**

NOTES:

Anticipated Fund Balance as of 12-31-2017:	\$491,447.55
Less Submitted Bills for Payment:	\$18,252.49
<b>Total:</b>	<b>\$473,195.06</b>

RECLAMATION DISTRICT NO. 828  
 APRIL 2018 FINANCIAL REPORT  
 75% FISCAL YEAR 2017-2018

<b>EXPENSES</b>		<b>BUDGET FY 2017-2018</b>	<b>Expended PTD</b>	<b>Expended YTD</b>	<b>% YTD</b>
<b>GENERAL FUND</b>					
<b>Administrative</b>					
G1	Annual Audit	\$3,200.00	\$0.00	\$3,100.00	97%
G2	Public Communication and Noticing	200.00	\$0.00	\$2,959.98	1480%
G3	Election Expense	15,000.00	\$0.00	\$129.80	0%
G4	Trustee Fees	600.00	\$150.00	\$500.00	83%
G5	County Assessment Administration	650.00	\$178.00	\$679.64	105%
	<b>SUBTOTAL</b>	<b>\$19,650.00</b>	<b>\$328.00</b>	<b>\$7,369.42</b>	<b>38%</b>
<b>Consultants</b>					
G14	Engineering				
G14A	General Engineering	\$7,500.00	\$944.50	\$4,259.45	57%
G14B	Flood Contingency Map	\$0.00	\$0.00	\$1,916.75	0%
G14C	Levee Subventions	\$0.00	\$3,578.50	\$10,841.46	0%
G14D	Levee Maintenance (Engineering)	\$17,500.00	\$2,267.00	\$11,752.52	67.2%
G15	General Legal	25,000.00	\$4,237.86	\$17,038.03	68%
	<b>SUBTOTAL</b>	<b>\$50,000.00</b>	<b>\$11,027.86</b>	<b>\$45,808.21</b>	<b>92%</b>
<b>Other</b>					
G18	Insurance	\$4,300.00	\$3,978.00	\$6,560.00	153%
G19	Reserve Contingency	0.00	\$0.00	\$0.00	0%
	<b>SUBTOTAL</b>	<b>\$4,300.00</b>	<b>\$3,978.00</b>	<b>\$6,560.00</b>	<b>153%</b>
	<b>TOTAL GENERAL FUND</b>	<b>\$73,950.00</b>	<b>\$15,333.86</b>	<b>\$59,737.63</b>	<b>81%</b>
<b>RECURRING EXPENSES</b>					
R1	Levee				
R1A	General Maintenance	\$10,000.00	\$0.00	\$0.00	0%
R1B	Riprap and Levee Repair	25,000.00	\$0.00	\$13,598.75	54%
R1C	Weed Control	40,000.00	\$0.00	\$2,500.00	6%
R1D	Animal Damage Control	0.00	\$0.00	\$0.00	0%
	<b>SUBTOTAL</b>	<b>\$75,000.00</b>	<b>\$0.00</b>	<b>\$16,098.75</b>	<b>21%</b>
	<b>TOTAL RECURRING EXPENSES</b>	<b>\$75,000.00</b>	<b>\$0.00</b>	<b>\$16,098.75</b>	<b>21%</b>
	<b>TOTAL EXPENSES</b>	<b>\$148,950.00</b>	<b>\$15,333.86</b>	<b>\$75,836.38</b>	<b>51%</b>

<b>INCOME</b>		<b>BUDGET FY 2017-2018</b>	<b>Income PTD</b>	<b>Income YTD</b>	<b>% YTD</b>
	Assessment - Existing	\$50,288.00	\$0.00	\$66,246.31	132%
	Interest	3,000.00	\$1,563.00	\$4,275.00	143%
	Property Tax	\$0.00	\$0.00	\$0.00	0%
	Subvention Reimbursement	\$35,000.00	\$0.00	\$0.00	0%
	<b>TOTAL, GROSS INCOME</b>	<b>\$88,288.00</b>	<b>\$1,563.00</b>	<b>\$70,521.31</b>	<b>80%</b>

<b>Fund Balance</b>		
	Expenditures from 2016-17 fiscal paid in current 2017-18 fiscal	\$ 19,386.79
	Fund Balance as of July 1, 2017	\$ 484,410.41
	Revenues (YTD), as of March 31, 2018	\$ 70,521.31
	Expenses (YTD), as of March 31, 2018	\$ 75,836.38
	<b>Total Cash as of April 2018</b>	<b>\$ 459,708.55</b>