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Bruce E. Dandy, Vice President
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Edwin T. McFadden III
Daniel C. Naumann

General Manager
Mauricio E. Guardado, Jr.

Legal Counsel
David D. Boyer

MINUTES
ENGINEERING & OPERATIONS
COMMITTEE MEETING
Thursday, October 1, 2020, 9:00 A.M.
Board Room

UWCD, 1701 North Lombard Street, Oxnard CA 93030

In addition to its public Engineering and Operations Committee meeting, UWCD provided virtual access to the meeting via the Webex virtual meeting platform.

COMMITTEE MEMBERS

Lynn E. Maulhardt, chair
Edwin T. McFadden III (participated via Webex)
Daniel C. Naumann

STAFF ATTENDING

Anthony Emmert, assistant general manager
Dr. Maryam Bral, chief engineer (participated via Webex)
Brian Collins, operations and maintenance manager
Josh Perez, human resource manager
Zachary Plummer, IT administrator
Craig Morgan, senior engineer
Robert Richardson, senior engineer (participated via Webex)
Tessa Lenz, associate environmental scientist
Randall McInvale, associate environmental scientist
Linda Purpus, senior environmental scientist (participated via Webex)
Michel Kadah, engineer (participated via Webex)
Murray McEachron, principal hydrologist (participated via Webex)
Erik Zvirbulis, GIS analyst (participated via Webex)
John Carman, operations and maintenance program supervisor (participated via Webex)
Joseph Jereb, chief financial officer (participated via Webex)

PUBLIC PRESENT

Burt Handy (participated via Webex)
Frank Brommenschenkel (participated via Webex)

OPEN SESSION: 9:03a.m.

Chair Maulhardt called the Engineering & Operations Committee Meeting to order at 9:03a.m.

Committee Members Roll Call

Administrative Assistant Destiny Rubio commenced Roll Call. Committee members: Chair Maulhardt, Director McFadden, and Director Naumann were present.

1. Public Comment

Chair Maulhardt asked if there were any public comments for the Committee. None were offered.

2. Approval of Minutes

Director McFadden stated that there was an error on the minutes from the September 3, 2020 committee meeting. Agenda Items 3.1 and 3.2 erroneously state that Director McFadden and Director Naumann were chairs of the committee at the September 3, 2020 meeting and the minutes need to be corrected to show Director Maulhardt as Committee chair. Motion to approve the Minutes of the September 3, 2020 Engineering and Operations Committee meeting with the aforementioned amendment, Director McFadden; Second, Chair Maulhardt. Voice vote, two ayes (McFadden, Naumann). None opposed. Minutes approved unanimously

3. October 14, 2020 Board Meeting Motion Agenda Items

1. Accept Utility Easement Deeds at Pumping Trough Pipeline Turnout No. 125

Chief Engineer Maryam Bral provided updates and slides (see attached) on the Utility Easement Deed at Pumping Trough Pipeline Turnout No. 125 and asked the Committee to recommend approval of the motion to the Board, accepting the easement and authorizing General Manager to sign and record the utility easement deed. The Committee agreed to recommend the Board accept the easement and authorize the General Manager to sign and record the document.

4. Project Highlights

1. Hueneme Road Bid Results – Update

Dr. Bral provided updates and slides (see attached) on the Hueneme Road Recycled Water Bid Results. Chair Maulhardt clarified that United's role is to act as an advisor and does not have any legal authority to approve or disapprove. Dr. Bral concurred with Chair Maulhardt and added that the one item of benefit to the District is a turnout at Hueneme Road and Naumann Road, which could be used in future to receive recycled water from the City of Oxnard directly to the PTP system. Director Naumann inquired about the project's timing and Dr. Bral replied that the City anticipates completing construction in about one year.

2. Rice Avenue Grade Separation Project – Update

Dr. Bral provided updates and slides (see attached) on the Rice Avenue Grade Separation Project. She stated that the City asked United to consider two options, either relocating the pipeline or reconstructing it in place and keeping the existing alignment. Chair Maulhardt expressed concern about a pipeline being under a well trafficked road and questioned responsibility if repairs were needed to the pipeline in the future. He then stated that he rejects the City's solution. Dr. Bral stated that this pipe has two turnouts that are abandoned, therefore United would not have water being distributed to surrounding lands from this segment. She added that if there are any future issues with the pipeline, it can be isolated from the PTP loop. Chair Maulhardt asked why the District would spend money to encapsulate it, especially if the pipe could be abandoned in the future. Dr. Bral said that the District has not agreed to pay for the reinforcement or relocation, and United's position

is that this is impacting its facility and the City needs to figure out how to resolve the impact.

Senior Engineer Craig Morgan stated that the segment that goes along Sturgis Road is critical in the sense that when United needs to fill the reservoir or stabilize the pressure in that zone, water would be pumped from Irrigation 4, and it would be a short circuit with this segment. Chair Maulhardt stated that this segment is needed because it is part of the PTP system feed. He then challenged staff to look at different options for the project and reiterated that he has a problem with this alignment being buried under that road, and asked if there is a way to get it out from under construction. He also asked if it would be easy to access in a reasonable amount of time and at a reasonable cost without creating a major impact on the road. Director McFadden stated that since United is not approving anything, United will only agree providing the District is held harmless, or someone else agrees to pay for future repairs, or someone else agrees to pay for realigning United's facilities.

3. Longer Term Solution to Dredging Process and Outline of Proposed Lake and Streambed Alteration Agreement - Update

Operations and Maintenance Manager Brian Collins provided updates and slides (see attached) on solutions to the dredging process and outlined a proposed lake and streambed alteration agreement. Chair Maulhardt suggested there is a need for further discussion if United is looking at a 130,000 cfs storm event with all the vegetation growing about the facility impeding the ability to move water. Chair Maulhardt challenged staff to think bigger and requested staff to complete engineering to repair the right side of the river. Mr. Collins stated that staff needs to focus on mitigation of repairing impacts to the watershed, so United has the ability to convey 150,000 cfs or 200,000 cfs if it occurs. Associate Environmental Scientist Randall McInvale provided updates and slides (see attached) on permitting through the regulatory agencies. Chair Maulhardt provided some suggestions and alternatives for moving and realigning the sediment. Assistant General Manager Anthony Emmert stated that the area upstream of the intake must be a part of United's ongoing maintenance program and future operations. The goal is to develop a long term plan that provides United access. Director Naumann requested the committee review what needs to be done for permitting of the future fish ladder and asked if United will need to operate differently for flushing cycles in the future. Mr. Collins stated that CDFW has asserted there will be potential modifications required going forward.

4. Design of the Hardened Ramp and Vertical Slot – Timeline

Mr. Morgan provided updates and a slide (see attached) on the timeline for modeling of the hardened ramp and vertical slot alternative fish passages. Director Naumann inquired about the number of agencies that will be commenting on United's selection of the preferred alternative. Mr. Morgan stated that California Department of Fish and Wildlife and the National Marine Fisheries Services will be commenting on United's selection. The United States Fish and Wildlife Service will also receive a copy and added that staff will most likely come to the Board in January for additional funds for modeling.

Director Naumann requested that staff provide windows of time for budgeting. Mr. Morgan stated that it is thought that there should be enough funding for physical

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modeling in this budget cycle. Chief Financial Officer Joseph Jereb stated that the modeling is part of the 2021 budget.

5. Future Agenda Topics

No future agenda topics were offered.

ADJOURNMENT 10:38 a.m.

Chair Maulhardt adjourned the Engineering and Operations Committee meeting at 10:38 am.

I certify that the above is a true and correct copy of the minutes of the Engineering and Operations Committee Meeting of October 1, 2020.

ATTEST:



Lynn Maulhardt, Chair



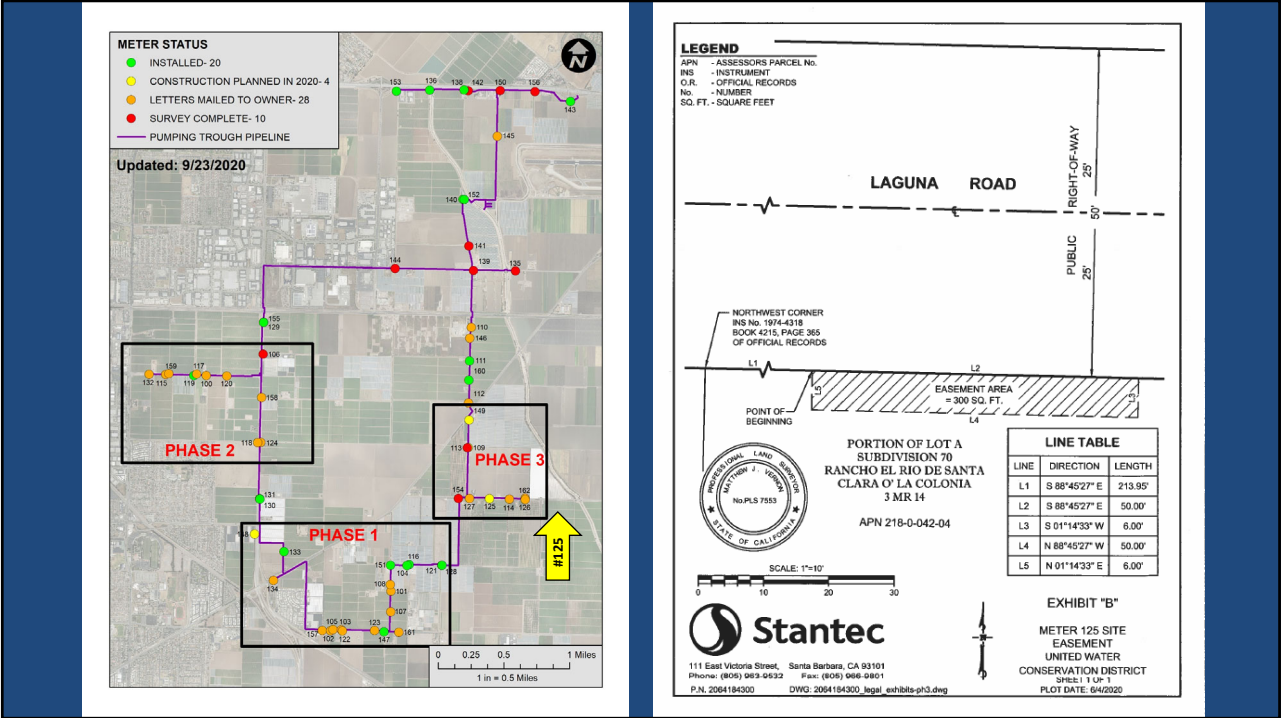
Engineering and Operations
Committee Meeting

October 1st, 2020

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Motion Item

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HUENEME ROAD RECYCLED WATER PIPELINE BID RESULTS

Phase II Rebid

- ❖ Contractors
 - Blois Construction
 - Teichert Energy
 - Vido Artukovich
 - DRFCO
 - Colich & Sons

CITY OF OXNARD
RECYCLED WATER DISTRIBUTION

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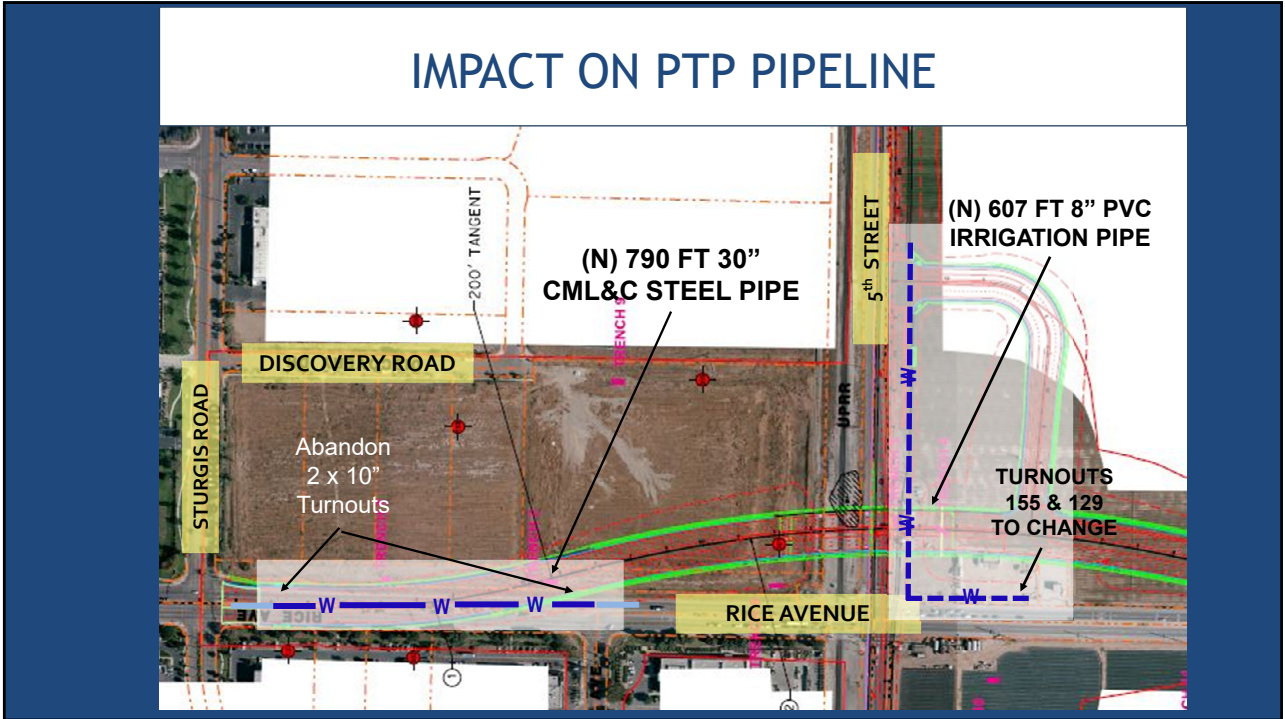
HUENEME ROAD RECYCLED WATER PIPELINE BID RESULTS

	Teichert Energy and Utilities Gr	Blois Construction	Vido Artukovich	DRFCO	Colich & Sons
Base Bid	\$15.32 mil	\$13.72 mil	\$16.42 mil	\$16.88 mil	\$16.76 mil
Alternative Items	\$3.28 mil	\$5.21 mil	\$5.20 mil	\$5.23 mil	\$6.11 mil
Total Bid	\$18.59 mil	\$18.93 mil	\$21.62 mil	\$21.11 mil	\$22.87 mil

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Rice Avenue Grade Separation Project

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PROJECT ACTIVITIES

☐ May 5

United received City’s utility relocation plans

☐ May 13

Staff provided a project update at the PTP User’s meeting

☐ May 26

Staff provided review comments on utility relocation plans

☐ June 4

United granted the City access to PTP Well 4 for conducting additional survey

☐ August 2

United received a revised plan set for review and additional comments

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PROJECT ACTIVITIES

☐ July 15

United received a letter from Riggs and Riggs (Appraiser) on behalf of CalTrans requesting site access for appraisal of PTP Well 4

Following consultation with the Legal Counsel, staff granted site access to Appraiser

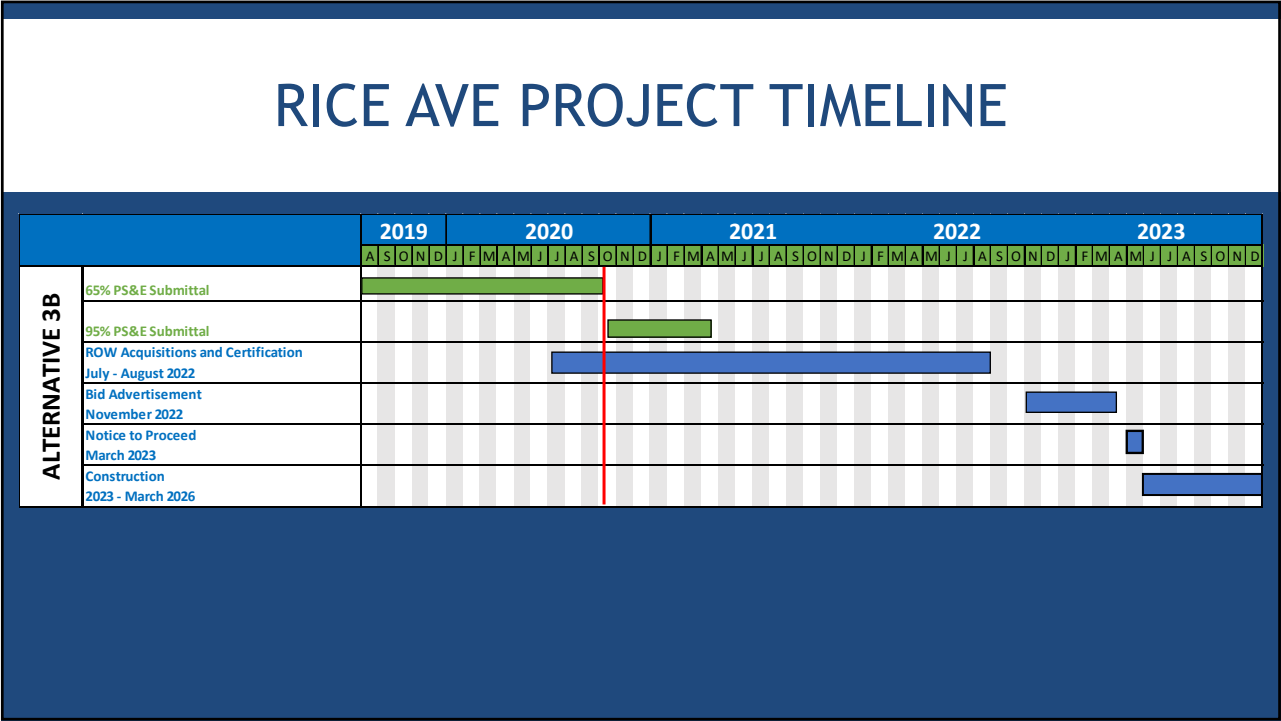
☐ July 30

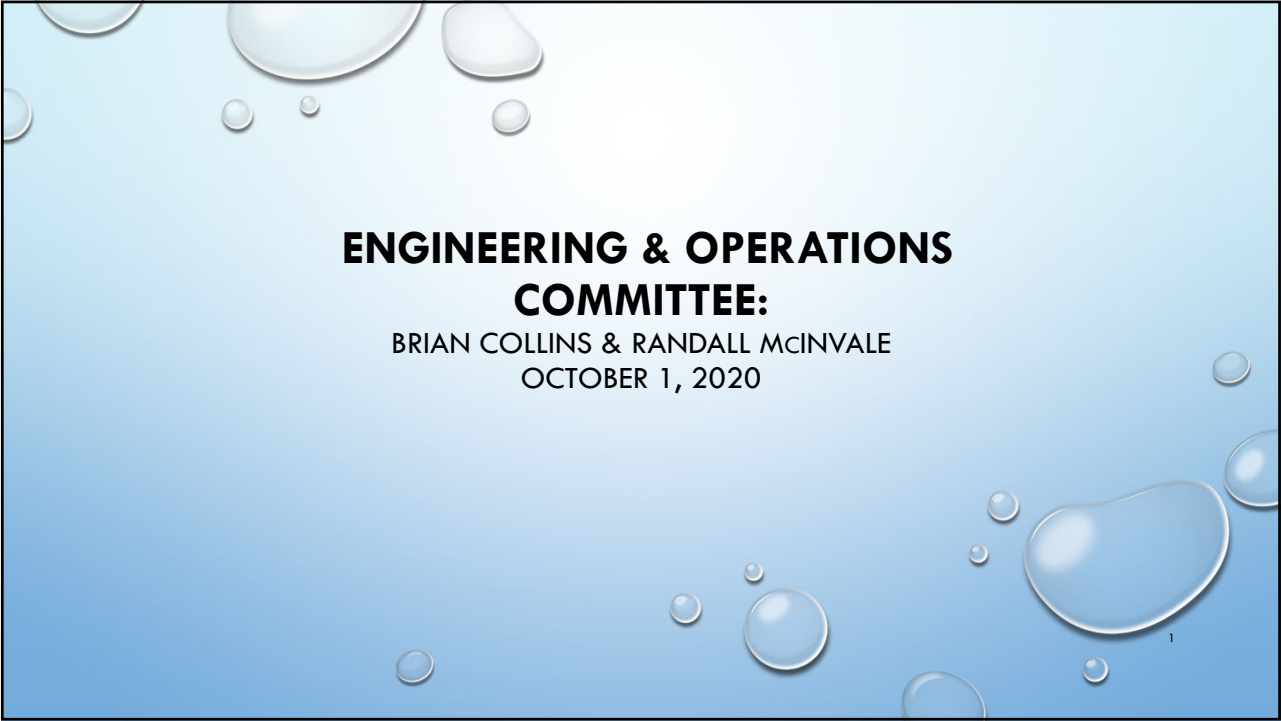
Appraiser conducted a site inspection

☐ September 23

City’s Consultant requested United’s comments on the relocation plans

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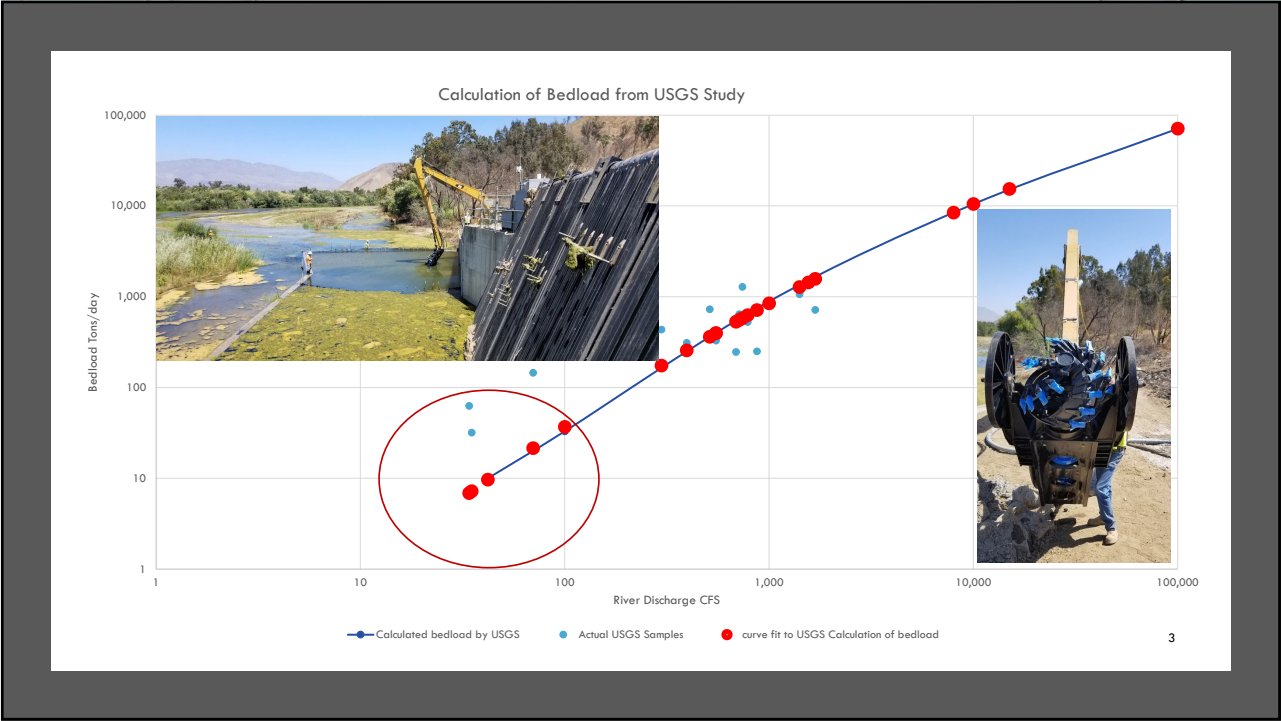




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NEAR TERM – TURNOUT/FLUSHING ACTIVITY

Sediment Management of the Fish Ladder and Diversion System

- Turnouts
- Flushes




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Turn Outs

(When the discharge or sediment in the river is too high for the fish ramp to operate or to divert water)

- Purpose of a turn out:
 1. Preclude the suspended sediment from entering the Diversion and Fish Ladder.
 2. Preclude the bedload sediment from entering the Diversion headworks and Fish Ladder.
 3. Keep river thalweg on South Bank.
 4. Maximize the scour pool in the forebay for bedload to accumulate during ramp and diversion operations.
- Current Occurrence: Most every migration storm (Average 4+- times per year)
- Current Duration of a turn out:
 - Small Storm <24 hours
 - Medium Storm 1-2 days
 - Large Storm up to 3-4 days




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Basic function of a turnout:

- Drop water levels in Forebay
- Increase velocities near the bedload sediment accumulation
- Sluice the bedload downstream
- Promote the river thalweg to the South bank for a more direct approach



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Flushes

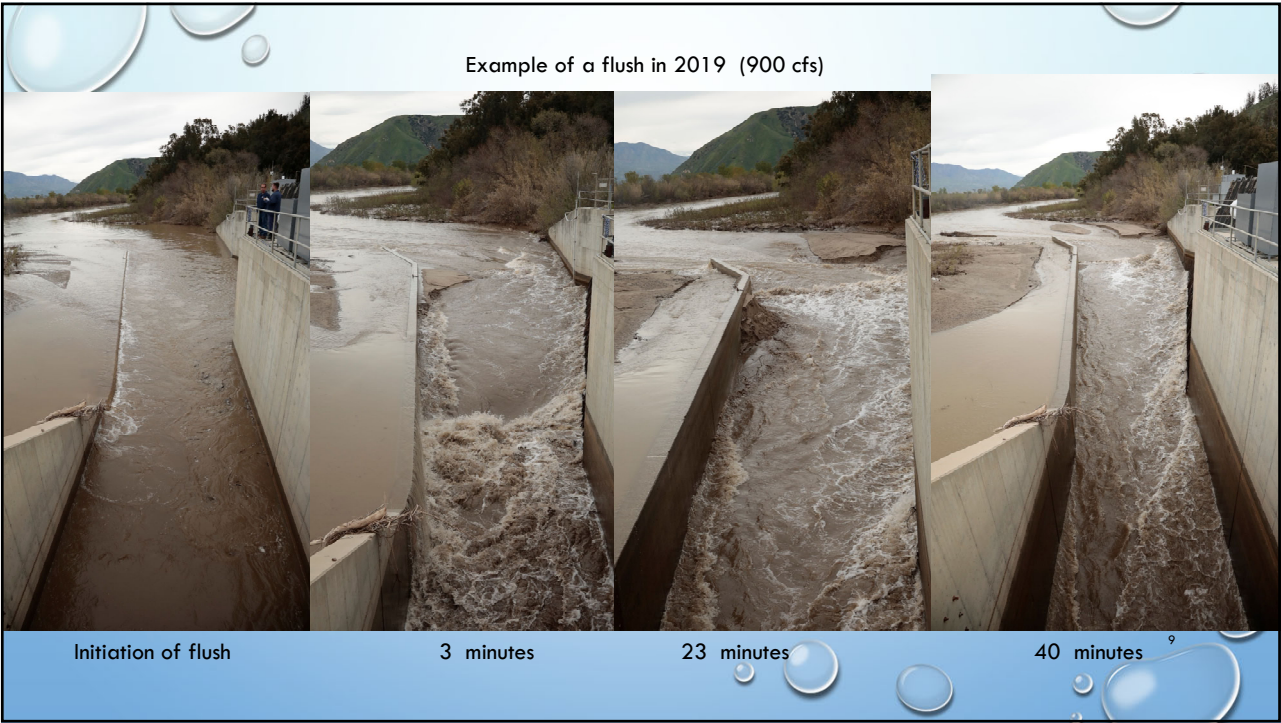
(Removal of the accumulated sediments in the scour pool)

- Purpose:
 1. Remove the accumulated bedload sediments from the forebay to form a scour pool
 2. Keep river thalweg on South Bank
 3. Keeps the bedload sediment from Fish Ladder and Diversions
 4. Occasionally to perform maintenance in the headwork's area
- Occurrence: Following most normal to large storms
- Frequency following a :
 - Small Storm – often not needed
 - Medium Storm – 1 to 2 times, depending on forecasts of future storms
 - Large Storm – up to 2 times per day, then every 3rd day after flows subside. Examples 2005 and 2001.

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PERMITTING

- REQUIRED ACTIONS
 - CEQA/NEPA
 - REGULATORY PERMITTING
- CASITAS MWD – ROBLES FOREBAY RESTORATION 2019
 - KEY DIFFERENCES
 - DISASTER RESTORATION
 - FEMA FUNDING
 - TECHNICAL CONSIDERATIONS
 - CWMD PURSUING A PROGRAMMATIC PERMIT FOR FUTURE SEDIMENT MANAGEMENT

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PERMITTING – CONT'D

- SPECIALIZED STUDIES AND PLANS
 - SEDIMENT MANAGEMENT PLAN AND SEDIMENT SAMPLING
 - HYDROGEOLOGY/ HYDROGEOMORPHOLOGY REPORT
 - STREAM DIVERSION PLAN
- MONITORING DURING IMPLEMENTATION
 - BIOLOGICAL
 - WATER QUALITY/ SWPPP

*ENVIRONMENTAL SERVICES DEPARTMENT RECOMMENDATION TO MANAGEMENT CURRENTLY IN PROCESS.

Thumbnail image of a permit document from the California Department of Fish and Wildlife, titled "STREAMBED ALTERATION AGREEMENT". The document includes sections for "RECITALS" and "PROJECT LOCATION".

CDFW COORDINATION UPDATE

- MET WITH CDFW REPRESENTATIVES ON AUGUST 18TH AND SEPTEMBER 25TH REGARDING F&GC § 5901 AND 5937
 - PAST CONSULTATION HISTORY
 - CURRENT OPERATIONS AND MAINTENANCE
 - POTENTIAL PERMITTING UNDER F&GC § 1602

Thumbnail image showing a river or stream with a concrete structure, likely a diversion or dam. The water is flowing through a channel, and there are some people visible in the distance.

COURT ORDERED STIPULATION TIMELINE

