

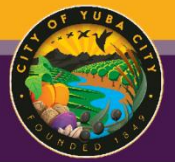


# Wastewater Treatment Facility Outfall Diffuser – Advanced Treatment Study & Other Scope of Work Changes

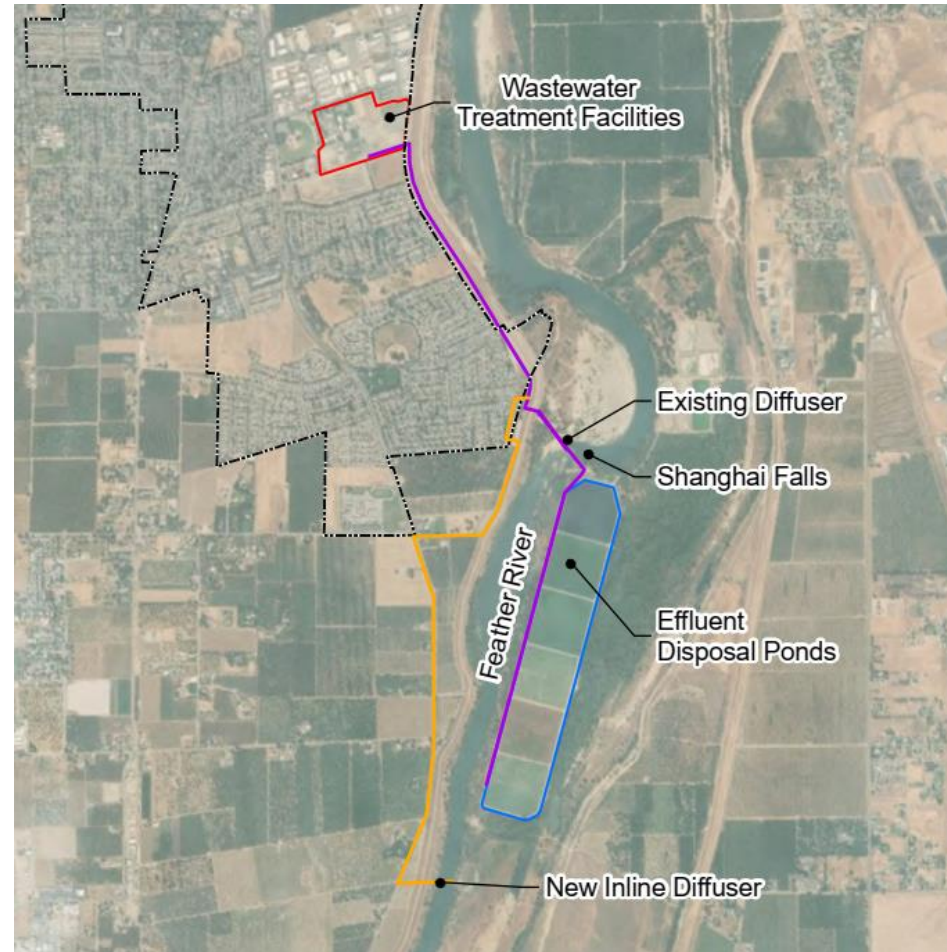
July 7, 2020

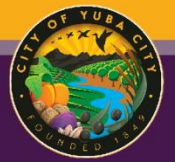


**Presentation By:**  
**Diana Langley, Interim City Manager/Public Works Director**



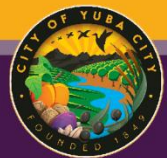
# WWTF Outfall Diffuser





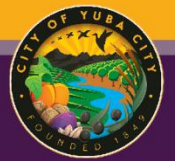
# WWTF Outfall Diffuser - Background

- Since 2011, City has been studying potential replacement options for the outfall diffuser pipe
- July 17, 2018 – Council awarded PSA to CH2M Hill Engineers (now Jacobs) for predesign, design, environmental permitting, right-of-way acquisition, and bidding services
- City's 2019 NPDES Permit was developed/renewed with the understanding that the City is planning to relocate the outfall diffuser pipe and anticipate operation beginning by fall 2022



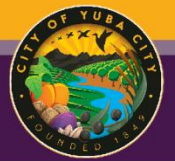
# WWTF Outfall Diffuser - 30% Design

- Jacobs completed predesign report/30% design
- Predesign estimates total cost at approximately \$24.85 million, with the possibility of up to \$35 million
- In order to identify the best use of this substantial estimated capital expenditure, staff recommends evaluating alternative advanced treatment strategies that could result in direct discharge to the Feather River
- Advanced treatment strategies may be required to meet future regulatory requirements



# Advanced Treatment Study

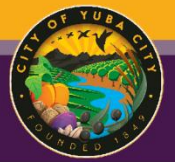
- The proposed study will compare relative costs, advantages/disadvantages for continued operation of the WWTF as currently configured with a new outfall diffuser pipe versus alternative configurations for advanced treatment in conjunction with a new side-bank point discharge into the Feather River
- It is anticipated that the study will be completed by December 2020
- At completion of the study, staff will present the alternatives to Council with recommendation(s) for next steps



# Fiscal Impact – Current Contract

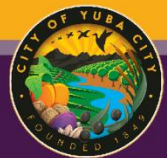
- Initial Contract \$2,983,430 including \$200,000 Contingency
- Staff executed Amendment No.1 (\$162,877) which was necessary to complete the preliminary design
- Total spent as of May 22, 2020 = ~ 1.64 million (55% of authorized)





# Fiscal Impact – Requested

- \$289,786 – Total Amendment No. 2
  - \$169,749 – Additional scope of work to proceed to final design
  - \$120,037 – Advanced Treatment Study
- No additional funds requested; funds to be reallocated from original Task 3 (Design)



# Recommendation

Adopt a resolution to award an amendment to the Professional Services Agreement with CH2M Hill Engineers, Inc. to include an advanced treatment study and other necessary project scope changes and authorize the City Manager to execute the amendment following approval as to form by the City Attorney, with the finding that it is in the best interest of the City