



# Regional Water Recycling Plant No. 5 Expansion

Regional Water Recycling Plant No. 5 (RP-5) currently treats liquids only and has a capacity of 16.3 million gallons per day (mgd). The RP-5 Liquids Treatment Expansion Project will expand the liquids treatment capacity to 22.5 mgd. The project will include infrastructure for the buildout of RP-5 to ultimately treat an average flow of 30 mgd, a peak flow of 60 mgd, solids treatment capabilities to allow for the decommissioning of Regional Water Recycling Plant No. 2 (RP-2), and address expected growth in the southern section of IEUA's service area.

The RP-5 Liquids Treatment Expansion and the RP-5 Solids Treatment Facility will be constructed under one construction contract, RP-5 Expansion Project, with two separate milestones. The milestones will be established to differentiate the time needed to complete the solids treatment work necessary to facilitate the decommissioning of RP-2.

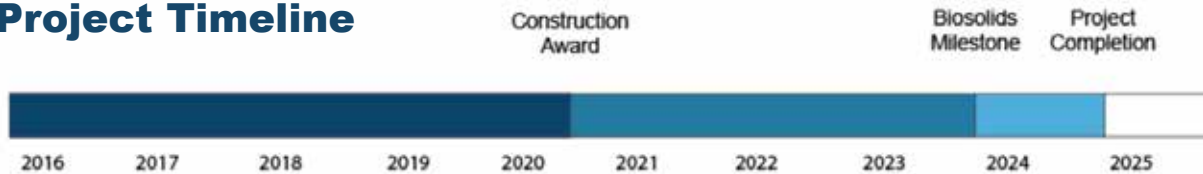
## Liquids Treatment Expansion Elements:

- Influent pump station expansion
- Headworks improvements
- Fine screen facility
- Two new primary clarifiers
- Existing aeration basin improvements
- New Membrane Bioreactor (MBR)

## Solids Treatment Facility Elements:

- Rotary drum thickening building
- Digester facilities
- Centrifuge dewatering building
- Boiler building
- Digester gas treatment and flaring
- Improvements to existing energy recovery engines

## Project Timeline



## Project Cost



*\*\$5.9 million sales and use tax exclusion from the California Alternative Energy and Advanced Transportation Financing Authority.*

<sup>1</sup>California Clean Water State Revolving Fund (SRF) low-interest loan amount totaling \$101.5 million with an interest rate of 0.80% payable over 30 years.

<sup>2</sup>Pay-go from Rates, Connection Fees, and Property Taxes.

<sup>3</sup>United States Environmental Protection Agency Water Infrastructure Finance and Innovation Act (WIFIA) low-interest loan amounts totaling \$220 million. First round of funding totaling \$196.4 million. Interest rate of 1.36% with 35-year repayment term beginning in 2026. Second round of funding totaling \$24.5 million. Interest rate of 2.61% with 35-year repayment term beginning in 2027.