

TEHAMA COUNTY SANITATION DISTRICT NO. 1

Mineral Wastewater Collection and Treatment Improvement Project Planning Grant Update

September 11, 2018



Project Team

❖ Tehama County

- Tim McSorley – Director of Public Works
- Ted Janowitz – Mineral WWTP Chief Plant Operator

❖ PACE Engineering, Inc.

- Tom Warnock, Principal Engineer, P.E. – Project Manager
- Laurie McCollum, Senior Engineer, P.E. – Project Engineer

Status of Planning Grant Deliverables

Deliverable	Target Date	Completion Date
CCTV inspection of mains 6" and larger	May 2016	Oct 2017
Geotechnical or Mixing Zone Dilution Study (MZDS) - as needed	June 2018	MZDS – Feb 2017 Geotechnical – not needed
USGS Staff Gauge installation	-	Jan 2018
Fiscal Sustainability Plan	Dec 2018	Draft – June 2018 Final – in progress
Project Report	Oct 2018	In progress
Rate Study	Dec 2018	In progress
Land/Easements/ROW identified - as needed	May 2017	Not needed
Environmental - as needed	Dec 2018	Not needed
End of Draw date	Dec 2018	Request to be extended to Dec 2019

Updates Since Planning Funding Acquisition

- ❖ Anticipated required compliance project was not included in the current WWTP Discharge Permit adopted in 2015
 - Will likely be required in 2020 permit, or 2025, or?
- ❖ To be eligible for any construction grant funds, at least 50% of the houses must be the primary house of permanent residents residing in the community at least 6 months of the year.

Updates Since Planning Funding Acquisition

- ❖ Mineral no longer qualifies as a disadvantaged community based on 2018 updated median household income.
 - 75% grant not currently an option, 100% loan required for any construction project
- ❖ Infiltration and inflow (I&I) continues to be a significant problem in the system as verified during recent flow monitoring
 - Peaking factor of 15.4
 - 20-30% attributed to Park Service
 - Main pipelines are in relatively good condition as shown during CCTV inspection - Where is the remaining 70 to 80% of I&I coming from?

Recommended Revised Scope and Schedule

Deliverable	Revised Target Date
CCTV inspection of mains 6" and larger	May 2016
Smoke test entire system	Mar 2019
Identify where cleanouts are needed Revision to Ordinance #15??	Oct 2019
Install cleanouts for future inspection??	??
Lateral CCTV inspections as funding allows (30% of total connections)	Mar 2019
Geotechnical or MZDS	June 2018
USGS Staff Gauge installation	-
Fiscal Sustainability Plan	June 2019
Project Report	Aug 2019
Rate Study	Oct 2019
Land/Easements/ROW identified	
Environmental	
End of Draw date	Dec 2019



Questions?

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