

TCSO Proposed SRF Planning & Construction Grants 2024

(November 29, 2023)

Approved WWTP Special Construction Grant Phase II (Total Available: \$2,211,010)

- Reimbursement for prior costs incurred: **\$324,500 (complete)**
- SCADA Development Project: **\$592,250**
- WWTP Construction Project: **\$1,294,260 (see attached budget)**

WWCS Construction Grant Phase II (Carter Basin A, B, & C)

- Utility Location Services
- Environmental (if necessary)
- Survey/Stake property lines following surveying/staking of manhole placement
- Final Design & Bidding
- Construction Costs for Carter Basin A, B, & C
 - A. Complete *Additive Alternate D not constructed under WWCS Phase I* (\$750,000)
 - B. Carter Basin Phase 2A (\$5,500,000)
 - C. Carter Basin Phase 2B (\$4,500,000)
- Construction Management
- As-builts, Reporting & Project Closeout
- Estimated Total Project Costs: **\$10,750,000** (see attached map)

WWCS Planning Grant - Willow Basin

- Utility location Services
- Easements / Facilities / Lateral Surveys
- Environmental Analysis (if necessary)
- 80%+ Design & Preparation of Bid Documents - Willow Basin Collection System A, B, C
- Estimated Planning Costs Only: \$650,000

WWTP Construction Grant Phase III

- Environmental (if necessary)
- Final Design & Bidding
- Construction Costs for WWTP Phase III
 - Effluent Disposal Facilities: Tailwater / Runoff Control Monitoring System
 - Reservoir Site Improvements (control system / storage facility, site upgrades, weir repair, electrical / SCADA upgrades, etc.)
 - Storage Lagoon Lining (2 Basins)
 - Installation of Wave Ox system for de-nitrification in clarifiers
 - Complete Site Pavement Installation
 - Estimated Total Project Costs: \$4,500,000

WWTP Planning Grant

- Environmental (if necessary)
- Apple Colony Lift Station (location analysis, environmental and 80%+ design – determination as to building at current lift station site or on the WWTP)
- Modification of *Emergency Overflow Ponds* by filling in existing ponds, relocate fencing, complete paving, and miscellaneous WWTP improvements – Analysis & Report to State Board, 80%+ design of plans and specifications

- Electrical Power assessment/survey for expansion purposes
- Facilities Master Plan – identification and planning for WWTP Upgrades such as: headworks, drainage improvements, miscellaneous paving, dewatering facilities, clarifier improvements, waste activated sludge (WAS) upgrades, repair leaking air pipeline, blower replacements, perimeter fencing relocation/improvements etc.
- Estimated Planning Costs Only: \$650,000

State Approved WWTP Special Construction Grant Phase II Budget

Original WWTP SRF Construction Grant Amount Approved (Phase 1)....\$1,682,148

Additional WWTP SRF Special Funding Amount Approved (Phase II).....\$2,211,010

Total SRF Construction Grant Funding Amount Available.....\$3,893,158

Phase II

Cost Estimate:	Prior Project Costs (reimbursement completed).....	\$ 324,500
	SCADA Project.....	\$ 592,250
	WWTP Construction.....	\$ 700,000
	Construction Contingency.....	\$ 75,000
	WWTP Soft Costs.....	\$ 469,260
	Administration.....	<u>\$ 50,000</u>
	Total.....	\$2,211,010

SCADA Development Project Budget Detail: \$592,250

1. Provide High Speed Internet Service to WWTP – Comcast: \$25,000
2. Provide Maintenance Management Software and digital mapping – CalCAD: TBD
3. Hardware: TBD
4. Software: TBD
5. Upgrade PLC's: TBD
6. Remote Monitoring: Grinding Rock Reservoir: TBD
7. Installation, Training, and Warranty Work: TBD