



PINOLE/HERCULES WASTEWATER SUBCOMMITTEE



**JUNE 2, 2022
AT 8:30 A.M.**

VIA ZOOM TELECONFERENCE
(<https://us02web.zoom.us/j/81754489022>)

DUE TO THE STATE OF CALIFORNIA'S DECLARATION OF EMERGENCY – THIS MEETING IS BEING HELD PURSUANT TO AUTHORIZATION FROM GOVERNOR NEWSOM'S EXECUTIVE ORDERS – CITY COUNCIL AND COMMISSION MEETINGS CURRENTLY ARE NOT OPEN TO IN- PERSON ATTENDANCE.

SUBMIT PUBLIC COMMENTS TO PUBLIC WORKS DIRECTOR / CITY ENGINEER BEFORE OR DURING THE MEETING VIA EMAIL smishra@ci.pinole.ca.us

Comments received before the close of the public comment period for that item will be read into the record and limited to 3 minutes. Please include your full name, city of residence and agenda item you are commenting on. Any comments received after the close of the public comment period will be distributed to Committee Members and relevant Staff after the meeting and filed with the agenda packet.

AGENDA

- 1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE**
- 2. ROLL CALL**
- 3. APPROVAL OF MINUTES OF THE MARCH 3, 2022 MEETING**
- 4. CITIZENS TO BE HEARD - FOR ITEMS NOT ON THE AGENDA**
- 5. WATER POLLUTION CONTROL PLANT (WPCP) OPERATIONS REPORT**
- 6. FISCAL YEAR (FY) 2022-23 BUDGET**
 - i. WPCP OPERATING BUDGET**
 - ii. WPCP CAPITAL BUDGET**
- 7. NEW CONNECTIONS**
 - i. PINOLE (VERBAL)**
 - ii. HERCULES (VERBAL)**
- 8. ADJOURN TO THE REGULAR SUBCOMMITTEE MEETING OF SEPTEMBER 1, 2022**

WASTEWATER SUBCOMMITTEE MEETING MINUTES

March 3, 2022

1. CALL TO ORDER & PLEDGE OF ALLEGIANCE IN HONOR OF THE US MILITARY TROOPS

The Subcommittee Meeting was held via a Zoom videoconference and broadcast from the Pinole Council Chambers, 2131 Pear Street, Pinole, California. Council Member Anthony Tave Chaired the meeting and called the Subcommittee Meeting to order at 8:36 AM and led the Pledge of Allegiance.

2. ROLL CALL & STATEMENT OF CONFLICT

An official who has a conflict must, prior to consideration of the decision; (1) publicly identify in detail the financial interest that causes the conflict; (2) recuse himself/herself from discussing and voting on the matter; and (3) leave the room until after the decision has been made, Cal. Gov. Code§ 87105.

A. COUNCILMEMBERS PRESENT

Anthony Tave, Council Member – City of Pinole
Maureen Toms, Council Member – City of Pinole

Dan Romero, Council Member- City of Hercules

COUNCILMEMBERS ABSENT

Tiffany Grimsley, Council Member- City of Hercules

B. STAFF PRESENT

City of Pinole

City of Hercules

Andrew Murray, City Manager

Dante Hall, City Manager

Sanjay Mishra, Public Works Director

Mike Roberts, Public Works Director

Josh Binder, Plant Manager

3. CITIZENS TO BE HEARD (Public Comments)

Citizens may speak under any item not listed on the Agenda. The time limit is 3 minutes and is subject to modification by the Chair. Individuals may not share or offer time to another speaker. Pursuant to provisions of the Brown Act, no action may be taken on a matter unless it is listed on the agenda, or unless certain emergency or special circumstances exist.

PUBLIC COMMENTS OPENED for Item #3

No public comments.

PUBLIC COMMENTS CLOSED for Item #3

4. ANNOUNCE APPOINTMENT OF SANJAY MISHRA, PUBLIC WORKS DIRECTOR.

Chair Anthony Tave, Welcomed Sanjay Mishra.

PUBLIC COMMENTS OPENED for Item #5

No public comments.

PUBLIC COMMENTS CLOSED

5. OPERATOR'S REPORT

Plant Manger Binder presented the Operator's report for the period of Oct to Dec of 2021 which covered monthly flow data, monthly performance indicators and project updates.

Council Members Toms wanted to confirm if the increase in flow from City of Pinole during Dec was mainly due to the intrusion of stormwater into the sewer collection system.

Plant Manger Binder confirmed that due to inflow and infiltration (I&I) of stormwater and ground water into the wastewater collection system, the Water Pollution Control Plant (WPCP) see significant increases in flow during the winter months.

Council Members Toms wanted to confirm if we have been able to identify the locations where these I&I are occurring in Pinole.

Director Mishra clarified that the City of Pinole is currently pursuing a condition assessment of the wastewater collection system and will have a better understanding of the hot spot areas when the assessment is completed. City of pinole public works is aware of some known hot spots.

City Manager Murray clarified that Pinole does not have a combined sewer system i.e., stormwater and wastewater systems are not combined and sent to the plant. Most of the intrusion to the wastewater collection system is due to old infrastructure, broken sewer pipe joints, ground water intrusion, illicit connections to the sewer lines and other issues that contribute to the increase in flow during winter months.

Chair Tave asked about the Sanitary Sewer Master Plan (SSMP) that City of Pinole is completing and if that will be shared with this committee.

Council Member Romero asked if City of Hercules will be sharing the cost of those master plan efforts by City of Pinole.

City Manager Murray confirmed that the wastewater collection system cost is borne by each city and not shared. SSMP cost will be fully borne by City of Pinole. City of Pinole would be happy to share the findings of the condition assessment and can present to the committee as an informational item if requested.

Director Roberts requested for information and discussion on how the reduction of I&I from City of Pinole projects will affect the cost share of plant operation between the City of Pinole and Hercules.

Plant Manger Binder reported the monthly performance indicators and confirmed that no violations were reported to the waterboard.

Council Member Romero asked if County has asked Pinole to test the sewer for COVID.

Manager Binder and Director Mishra confirmed that no requests were made by the County for sewer sample testing.

Council Member Romero asked if a federal government funding could pay to complete the testing and Pinole could contact County Supervisors for coordinating this effort.

Council Member Romero asked if the tested samples for Ammonia, Coliform and Enterococcus are within state limits.

City Manager Murray added that the spreadsheet should indicate if the tested samples for the monthly performance indicators were below or above the monthly state requirement.

Plant Manager Binder provided project updates.

6. NEW CONNECTIONS

No New connections were reported by Pinole or Hercules.

Council Member Toms mentioned that the committee and staff should look out for opportunities for future projects due to rising tides and tsunami as the WPCP is vulnerable to these natural events.

City Manager Murray added that City of Pinole is currently working on a Climate Action Plan and adaptation plan at staff level. This will be presented to Council for action soon which will address some of these concerns.

PUBLIC COMMENTS OPENED

No Public comments

PUBLIC COMMENTS CLOSED

City Manager Dante Hall introduced himself as a new face and was welcomed by Chair.

7. ADJOURNMENT to the next meeting on June 2, 2022.

At 9:11AM Chair Anthony Tave adjourned the meeting to the Wastewater Subcommittee Meeting on June 2, 2022.

Submitted by:

Sanjay Mishra

Public Works Director

City of Pinole

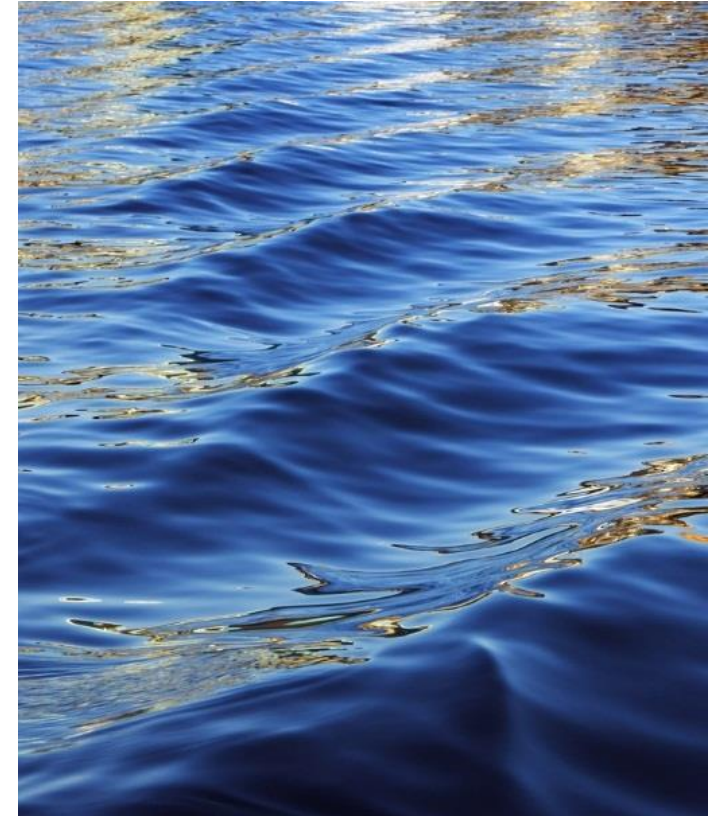
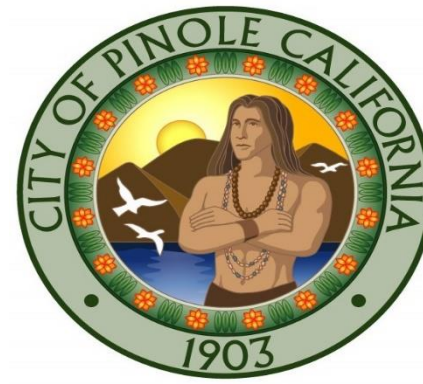
Approved by Wastewater Subcommittee Meeting: June 2, 2022

PINOLE-HERCULES WASTEWATER SUBCOMMITTEE

OPERATOR'S REPORT

June 2, 2022

Josh Binder, Plant Manager



Topics will include:

1. Monthly Flow Data
2. Monthly Performance Indicators
3. Project Updates
4. Recent Activity

Monthly Flow Data

Hercules right to use: 2.27 MGD*

Pinole right to use: 1.79 MGD*

* Average Dry Weather Flow

| HERCULES Flow - January 2022 | | | Gallons | HERCULES Flow - February 2022 | | | Gallons | HERCULES Flow - March 2022 | | | Gallons |
|------------------------------|-------------|--|------------|-------------------------------|-------------|--|------------|----------------------------|-------------|--|------------|
| Minimum | 1.29 | | 1,290,000 | Minimum | 1.22 | | 1,220,000 | Minimum | 1.17 | | 1,170,000 |
| Average (MGD) | 1.47 | | 1,470,000 | Average (MGD) | 1.32 | | 1,320,000 | Average (MGD) | 1.28 | | 1,280,000 |
| Maximum | 1.76 | | 1,760,000 | Maximum | 1.48 | | 1,480,000 | Maximum | 1.38 | | 1,380,000 |
| Total | 45.65 [54%] | | 45,650,000 | Total | 37.00 [54%] | | 37,000,000 | Total | 39.55 [55%] | | 39,550,000 |
| PINOLE Flow - January 2022 | | | Gallons | PINOLE Flow - February 2022 | | | Gallons | PINOLE Flow - March 2022 | | | Gallons |
| Minimum | 1.07 | | 1,070,000 | Minimum | 1.07 | | 1,070,000 | Minimum | 0.90 | | 900,000 |
| Average (MGD) | 1.26 | | 1,260,000 | Average (MGD) | 1.11 | | 1,110,000 | Average (MGD) | 1.05 | | 1,050,000 |
| Maximum | 1.73 | | 1,730,000 | Maximum | 1.17 | | 1,170,000 | Maximum | 1.18 | | 1,180,000 |
| Total | 39.13 [46%] | | 39,130,000 | Total | 31.13 [46%] | | 31,130,000 | Total | 32.38 [45%] | | 32,380,000 |

Monthly Performance Indicators

January 2022 PERFORMANCE INDICATORS

| PARAMETER | UNIT | MONTHLY EFF LIMIT | INFLUENT AVERAGE | EFFLUENT AVERAGE | % REMOVAL |
|--------------|------|-------------------|------------------|------------------|-----------|
| cBOD | mg/L | 25 | 235 | 6.43 | 97 |
| TSS | mg/L | 30 | 286 | 12.28 | 96 |
| Coliform | MPN | 240 | | | |
| Enterococcus | MPN | 35 | | 2.7 | |
| Ammonia | mg/L | 110 | | 42 | |

February 2022 PERFORMANCE INDICATORS

| PARAMETER | UNIT | MONTHLY EFF LIMIT | INFLUENT AVERAGE | EFFLUENT AVERAGE | % REMOVAL |
|--------------|------|-------------------|------------------|------------------|-----------|
| cBOD | mg/L | 25 | 244 | 5.8 | 98 |
| TSS | mg/L | 30 | 317 | 12.31 | 96 |
| Coliform | MPN | 240 | | | |
| Enterococcus | MPN | 35 | | 3.3 | |
| Ammonia | mg/L | 110 | | 58 | |

March 2022 PERFORMANCE INDICATORS

| PARAMETER | UNIT | MONTHLY EFF LIMIT | INFLUENT AVERAGE | EFFLUENT AVERAGE | % REMOVAL |
|--------------|------|-------------------|------------------|------------------|-----------|
| cBOD | mg/L | 25 | 254 | 8.66 | 97 |
| TSS | mg/L | 30 | 322 | 13.89 | 96 |
| Coliform | MPN | 240 | | | |
| Enterococcus | MPN | 35 | | 5.4 | |
| Ammonia | mg/L | 110 | | 45 | |

Project Updates

- Diesel Storage Tank Replacement – Under Contract (\$111,895 - October 2022)
- Digester Cleaning (2) – Under Contract (\$130,000 - June 2022 start date)
- Effluent Pipe Air Relief Valve Replacements (4) – Deferred to next fiscal year
- Women's Locker Room – In Progress

Recent Activity

- NPDES Permit Renewal
- WWTP Operations Manual Update

Recent Activity

- Plant Water System Repairs



Recent Activity

- Improvements were made to the Disinfection System
 1. A new process building was constructed
 2. Three new process analyzers were installed
 3. Automatic chemical dosing functionality was added

CITY OF PINOLE PROPOSED FY 2022-23 BUDGET

FY 2022-23 Proposed Salary Allocation for Sewer Enterprise (Shared cost)

| Position Title | Total Wages and Benefits | Sewer Enterprise % of Wages & Benefits | Sewer Enterprise Allocation Amount |
|-------------------------------|--------------------------|--|------------------------------------|
| 100-111 City Manager | 484,520 | 5% | 24,226 |
| 100-111 Admin Assistant | 164,646 | 20% | 32,929 |
| 100-115 Finance Director | 350,310 | 15% | 52,547 |
| 100-115 Accountant | 144,151 | 15% | 21,623 |
| 100-115 Accounting Specialist | 121,436 | 15% | 18,215 |
| 100-115 Accounting Technician | 32,603 | 15% | 4,890 |
| 100-116 HR Analyst | 131,437 | 10% | 13,144 |
| 100-341 PW Director | 270,201 | 20% | 54,040 |
| Grand Total | | | 221,614 |

Fiscal Year (FY) 2022/23 Operating and Capital Budget
Department Budgets - Public Works

SEWER ENTERPRISE FUND - 500
SEWER TREATMENT PLANT - 641

EXPENDITURE SUMMARY

| | FY 2019/20 Actual | FY 2020/21 Actual | FY 2021/22 Actual Thru Mar-22 | FY 2021/22 Revised Budget | FY 2022/23 Proposed Budget | Prop to Rev \$ Change | Prop to Rev % Change |
|---|----------------------|----------------------|-------------------------------------|---------------------------------|----------------------------------|--------------------------|-------------------------|
| Personnel | | | | | | | |
| Salaries & Wages - 401 | 748,925 | 741,861 | 592,199 | 978,226 | 1,088,962 | 110,736 | 10% |
| Overtime - 402 | 27,046 | 29,534 | 18,914 | 38,655 | 36,010 | (2,645) | -7% |
| Employee Benefits - 410 | 764,025 | 837,547 | 371,059 | 536,184 | 547,954 | 11,770 | 2% |
| Total Personnel | 1,539,996 | 1,608,943 | 982,172 | 1,553,065 | 1,672,926 | 119,861 | 7% |
| Services and Supplies | | | | | | | |
| Professional & Administrative Services - 42 | 189,211 | 348,643 | 118,699 | 377,000 | 373,000 | (4,000) | -1% |
| Other Operating Expenses - 43 | 672,785 | 736,747 | 567,749 | 630,000 | 630,000 | - | 0% |
| Materials & Supplies - 44 | 776,528 | 737,165 | 647,897 | 1,249,000 | 1,464,000 | 215,000 | 15% |
| Total Services and Supplies | 1,638,524 | 1,822,556 | 1,334,345 | 2,256,000 | 2,467,000 | 211,000 | 9% |
| Capital Outlay | | | | | | | |
| Asset Acquisition/Improvement - 47* | - | 172,459 | - | 728,398 | 1,210,382 | 481,984 | 40% |
| Total Capital Outlay | - | 172,459 | - | 728,398 | 1,210,382 | 481,984 | 40% |
| Indirect Cost Allocations | | | | | | | |
| Administrative Debits - 46122 | 303,146 | 276,932 | 235,750 | 333,605 | 221,614 | (111,991) | -51% |
| IS Charges - 46124 | 30,052 | 29,901 | 23,163 | 46,799 | 48,337 | 1,538 | 3% |
| Legal Charges - 46126 | 980 | 1,723 | 1,577 | 15,000 | 15,000 | - | 0% |
| General Liability Insurance - 46201 | 45,532 | 48,175 | 61,893 | 50,356 | 64,370 | 14,014 | 22% |
| Total Indirect Cost Allocations | 379,709 | 356,731 | 322,383 | 445,760 | 349,321 | (96,439) | -28% |
| Depreciation | | | | | | | |
| Depreciation Expense - 47401 | 421,590 | 394,657 | 186,569 | 340,000 | 340,000 | - | 0% |
| Total Depreciation | 421,590 | 394,657 | 186,569 | 340,000 | 340,000 | - | 0% |
| Total | 3,979,819 | 4,355,345 | 2,825,468 | 5,323,223 | 6,039,629 | 716,406 | 12% |

*See CIP

MAJOR NON-PERSONNEL EXPENSE DETAILS

| | | FY 2021/22 | FY 2022/23 |
|---|------------|-------------------|-------------------|
| 42101 Professional Services | | \$ 65,000 | \$ 85,000 |
| Engineering contract services | \$ 50,000 | | |
| PCTV quarterly subcommittee meeting | 5,000 | | |
| Railroad Ave. bridge right of way study | 30,000 | | |
| 42107 Equipment Maintenance | | \$ 130,000 | \$ 110,000 |
| Equipment service | \$ 110,000 | | |
| 42108 Maintenance Structure/Imp | | \$ 78,000 | \$ 78,000 |
| Janitorial services | \$ 10,000 | | |
| Various structure refurbishment | 68,000 | | |
| 42109 Compliance Inspections | | \$ 62,000 | \$ 35,000 |
| Laboratory supplies and safety equipment | \$ 15,000 | | |
| Public outreach materials | 10,000 | | |
| Sampling analysis | 10,000 | | |
| 42201 Office Expense | | \$ 5,000 | \$ 7,000 |
| Miscellaneous office supplies | \$ 7,000 | | |
| 4230X Travel and Training | | \$ 7,000 | \$ 28,000 |
| 42301 State Certified operators training | \$ 7,000 | | |
| 42301 Class B Driver License Training | 20,000 | | |
| 42302 Mileage, Air | 1,000 | | |
| 42401 Memberships | | \$ 20,000 | \$ 20,000 |
| Bay Area Clean Water Assoc.(BACWA) | \$ 12,000 | | |
| Joint CWEA/WEF membership | 4,000 | | |
| Technical publications | 4,000 | | |
| 42510 Software Purchase | | \$ - | \$ - |
| | \$ - | | |
| 42511 Equipment Rental | | \$ 10,000 | \$ 10,000 |
| | \$ 10,000 | | |
| Total Professional/Administrative Services | | | \$ 373,000 |
| 4310X Utilities | | \$ 630,000 | \$ 630,000 |
| PG&E | \$ 620,000 | | |
| EBMUD | 10,000 | | |
| Total Other Operating Expenses | | | \$ 630,000 |

Fiscal Year (FY) 2022/23 Operating and Capital Budget
Department Budgets - Public Works

| | | | |
|--|------------|-------------------|---------------------|
| 44301 Fuel | | \$ 10,000 | \$ 10,000 |
| 44302 Sludge Removal | | \$ 300,000 | \$ 250,000 |
| Digester Cleaning | \$ 250,000 | | |
| 44303 Chemicals | | \$ 575,000 | \$ 750,000 |
| Chemicals for Plant Operations | \$ 750,000 | | |
| 44304 Permit Fees | | \$ 129,000 | \$ 129,000 |
| BAAQMD | \$ 16,000 | | |
| BACQA | 16,000 | | |
| NPDES permit fee renewal | 75,000 | | |
| Regional Monitoring of Metals (SFEI) | 22,000 | | |
| 44305 Laboratory Operations | | \$ 85,000 | \$ 100,000 |
| Accelerated Chronic Toxicity Testing | \$ 15,000 | | |
| Laboratory supplies | 85,000 | | |
| 44306 Maintenance Supplies | | \$ 130,000 | \$ 200,000 |
| | \$ 200,000 | | |
| 44410 Safety Clothing | | \$ 20,000 | \$ 25,000 |
| Laundry service for uniforms, safety shoes/boots, gloves, etc. | \$ 25,000 | | |
| Total Materials and Supplies | | | \$ 1,464,000 |
| 47101 Equipment | | \$ 340,000 | \$ 340,000 |
| Depreciation- Pinole only | \$ 340,000 | | |
| 47104 Vehicles | | \$ 200,000 | \$ - |
| Forklift | \$ - | | |
| Portable self priming pump | - | | |
| 47201 Improvements/Building | | \$ 528,398 | \$ 1,200,000 |
| As-Built WWTP Drawings | 75,000 | | |
| Blower Optimization | 35,000 | | |
| Boiler Rehabilitation | 45,000 | | |
| Centrifuge Feed Pump Replacement | 50,000 | | |
| Digester Feed Pump Replacement | 75,000 | | |
| Energy Recovery Building Roof | 45,000 | | |
| Misc. Plant Improvements | 75,000 | | |
| SS2002 Water Pollution Control Plant Lab Remodel | 100,000 | | |
| SS2101 Second Clarifier - Center Column Rehabilitation | 350,000 | | |
| SS2102 Air Release Valve Replacement | 50,000 | | |
| SS2202 Replacement of Diesel Tank | 150,000 | | |
| SS2203 Effluent Outfall Project Design | 150,000 | | |
| 47205 Improvements/Street | | \$ - | \$ 10,382 |
| RO2102 Tennent Ave. Rehabilitation | 10,382 | | |

Fiscal Year (FY) 2022/23 Operating and Capital Budget
Department Budgets - Public Works

SEWER ENTERPRISE FUND - 500
SEWER COLLECTION - 642

EXPENDITURE SUMMARY

| | FY 2019/20 Actual | FY 2020/21 Actual | FY 2021/22 Actual Thru Mar-22 | FY 2021/22 Revised Budget | FY 2022/23 Proposed Budget | Prop to Rev \$ Change | Prop to Rev % Change |
|---|----------------------|----------------------|-------------------------------------|---------------------------------|----------------------------------|--------------------------|-------------------------|
| Personnel | | | | | | | |
| Salaries & Wages - 401 | 239,755 | 252,977 | 184,093 | 257,462 | 280,342 | 22,880 | 8% |
| Overtime - 402 | 3,293 | 5,318 | 5,276 | 2,692 | 3,319 | 627 | 19% |
| Employee Benefits - 410 | 116,495 | 115,501 | 109,275 | 136,654 | 168,125 | 31,471 | 19% |
| Total Personnel | 359,542 | 373,796 | 298,644 | 396,808 | 451,786 | 54,978 | 12% |
| Services and Supplies | | | | | | | |
| Professional & Administrative Services - 42 | 64,541 | 88,227 | 68,145 | 307,984 | 237,984 | (70,000) | -29% |
| Other Operating Expenses - 43 | 11,045 | 13,845 | 7,558 | 13,500 | 13,500 | - | 0% |
| Materials & Supplies - 44 | 13,548 | 12,054 | 9,358 | 14,700 | 14,700 | - | 0% |
| Total Services and Supplies | 89,134 | 114,125 | 85,061 | 336,184 | 266,184 | (70,000) | -26% |
| Capital Outlay | | | | | | | |
| Asset Acquisition/Improvement - 47 | - | 147,743 | - | 1,138,457 | 2,192,553 | 1,054,096 | 48% |
| Total Capital Outlay | - | 147,743 | - | 1,138,457 | 2,192,553 | 1,054,096 | 48% |
| Indirect Cost Allocations | | | | | | | |
| Administrative Credits - 46121 | (70,741) | (90,247) | (73,343) | (97,861) | (112,295) | (14,434) | 13% |
| Administrative Debits - 46122 | 368,146 | 375,401 | 301,531 | 438,233 | 526,270 | 88,037 | 17% |
| IS Charges - 46124 | 22,948 | 19,259 | 14,258 | 24,681 | 25,560 | 879 | 3% |
| Legal Charges - 46126 | 2,661 | 855 | 1,117 | 15,000 | 15,000 | - | 0% |
| General Liability Insurance - 46201 | 11,976 | 12,664 | 15,177 | 12,348 | 15,510 | 3,162 | 20% |
| Total Indirect Cost Allocations | 334,990 | 317,932 | 258,740 | 392,401 | 470,045 | 77,644 | 17% |
| Depreciation | | | | | | | |
| Depreciation Expense - 47401 | 123,217 | 101,616 | 160,413 | - | - | - | 0% |
| Total Depreciation | 123,217 | 101,616 | 160,413 | - | - | - | 0% |
| Total | 906,883 | 1,055,212 | 802,858 | 2,263,850 | 3,380,568 | 1,116,718 | 33% |
| MEASURE S - 2014 FUND - 106 | | | | | | | |
| Asset Acquisition/Improvement - 47* | - | - | 50,563 | 50,568 | - | (50,568) | -100% |
| Total Measure S - 2014 | - | - | 50,563 | 50,568 | - | (50,568) | -100% |

This is not a shared cost with City of Hercules.

MAJOR NON-PERSONNEL EXPENSE DETAILS

| | | FY 2021/22 | FY 2022/23 |
|---|------------|-------------------|---------------------|
| 42101 Professional Services | | \$ 255,000 | \$ 185,000 |
| Contractors for isolated emergency repairs | \$ 10,000 | | |
| CCTV Large Sewer pipes | 100,000 | | |
| Sanitary Sewer overflow mitigation | 50,000 | | |
| Sewer flow modeling | 20,000 | | |
| Wildan Assessment services | 5,000 | | |
| 42107 Equipment Maintenance | | \$ 20,000 | \$ 20,000 |
| Vehicle maintenance and repair | \$ 20,000 | | |
| 42108 Maintenance Structure/Imp | | \$ 2,500 | \$ 2,500 |
| | \$ 2,500 | | |
| 42201 Office Expense | | \$ 150 | \$ 150 |
| Office supplies, includes reprinting of map books. | \$ 150 | | |
| 42301 Travel and Training | | \$ 1,000 | \$ 1,000 |
| Technical training programs for sewer maintenance, confined space entry and street safety procedures. | \$ 1,000 | | |
| 42401 Memberships | | \$ 1,000 | \$ 1,000 |
| Joint CWEA/WEF membership | \$ 765 | | |
| Technical publications | \$ 235 | | |
| 42510 Software Purchase | | \$ 8,334 | \$ 8,334 |
| Asset Management Software-annual license fee | \$ 8,334 | | |
| 42511 Equipment Rent | | \$ 5,000 | \$ 5,000 |
| | \$ 5,000 | | |
| 42514 Special Department Expense | | \$ 15,000 | \$ 15,000 |
| Maintenance materials (asphalt, concrete, pipe, hardware, etc.) | \$ 15,000 | | |
| Total Professional/Administrative Services | | | \$ 237,984 |
| 4310X Utilities | | \$ 13,500 | \$ 13,500 |
| PG&E | \$ 9,000 | | |
| EBMUD | 4,500 | | |
| 44301 Fuel | | \$ 8,000 | \$ 8,000 |
| 44304 Permit Fee | | \$ 3,000 | \$ 3,000 |
| SWRCB Permit Fee | \$ 3,000 | | |
| 44410 Safety Clothing | | \$ 3,700 | \$ 3,700 |
| Uniforms, coveralls, foul weather gear, gloves | \$ 3,700 | | |
| 47104 Vehicles | | \$ 442,200 | \$ 207,700 |
| Vacuum Truck | \$ - | | |
| Hydro Flush Truck | 207,700 | | |
| 47201 Improvements | | \$ 696,257 | \$ 1,984,853 |
| Deferred Collection repairs | \$ 395,000 | | |
| IN2001 Sanitary Sewer Collection System Master Plan | \$ 89,853 | | |
| SS2201 Sanitary Sewer Rehabilitation | 1,500,000 | | |

This is not a shared cost with City of Hercules.

Fiscal Year (FY) 2022/23 Operating and Capital Budget
Department Budgets - Public Works

SEWER ENTERPRISE PLANT EXPANSION FUND - 503
SEWER PROJECTS - SHARED - 643

EXPENDITURE SUMMARY

| | FY 2019/20 Actual | FY 2020/21 Actual | FY 2021/22 Actual Thru Mar-22 | FY 2021/22 Revised Budget | FY 2022/23 Proposed Budget | Prop to Rev \$ Change | Prop to Rev % Change |
|---|----------------------|----------------------|-------------------------------------|---------------------------------|----------------------------------|--------------------------|-------------------------|
| Service and Supplies | | | | | | | |
| Professional & Administrative Services - 42 | - | 3,500 | 25 | - | - | - | 0% |
| Total Services and Supplies | - | 3,500 | 25 | - | - | - | 0% |
| Capital Outlay | | | | | | | |
| Asset Acquisition /Improvement - 47 | 0 | 0 | 0 | 0 | 0 | - | 0% |
| Total Capital Outlay | - | - | - | - | - | - | 0% |
| Indirect Cost Allocations | | | | | | | |
| Legal Charges - 46126 | - | 11,920 | 31,859 | - | - | - | 0% |
| Total Indirect Cost Allocations | - | 11,920 | 31,859 | - | - | - | 0% |
| Depreciation | | | | | | | |
| Depreciation Expense - 47401 | 189,188 | 620,304 | 258,775 | - | - | - | 0% |
| Total Depreciation | 189,188 | 620,304 | 258,775 | - | - | - | 0% |
| Total | 189,188 | 635,724 | 290,659 | - | - | - | 0% |

MAJOR NON-PERSONNEL EXPENSE DETAILS

| | | FY 2021/22 | FY 2022/23 |
|---|------|------------|------------|
| 42101 Professional Services | | \$ - | \$ - |
| Construction Management of Plant Upgrades | \$ - | | |
| Hercules-Construction management of plan | | | |
| 42501 Bank Fees | | \$ - | \$ - |
| Wells Fargo Bank Fees | \$ - | | |
| 47201 Building | | \$ - | \$ - |
| WPCP upgrades- Contingency | \$ - | | |
| WPCP upgrades- HDR | \$ - | | |
| WPCP upgrades- Hercules Share | \$ - | | |
| WPCP upgrades- Kiewit | - | | |

Fiscal Year (FY) 2022/23 Operating and Capital Budget
Department Budgets - Public Works

SEWER ENTERPRISE FUND - 500

WPCP / EQUIPMENT AND DEBT SERVICE (PINOLE ONLY) - 644

EXPENDITURE SUMMARY

| | FY 2019/20 Actual | FY 2020/21 Actual | FY 2021/22 Actual Thru Mar-22 | FY 2021/22 Revised Budget | FY 2022/23 Proposed Budget | Prop to Rev \$ Change | Prop to Rev % Change |
|---|----------------------|----------------------|-------------------------------------|---------------------------------|----------------------------------|--------------------------|-------------------------|
| Service and Supplies | | | | | | | |
| Professional & Administrative Services - 42 | - | - | - | - | - | - | 0% |
| Total Services and Supplies | - | - | - | - | - | - | 0% |
| Debt Service | | | | | | | |
| Debt Principal - 48101 | - | - | 329,000 | 997,026 | 1,020,383 | 23,357 | 2% |
| Debt Interest - 48102 | 612,491 | 621,332 | 191,322 | 612,480 | 591,241 | (21,239) | -4% |
| Cost of Issuance - 48103 | - | - | - | - | - | - | 0% |
| Total Debt Service | 612,491 | 621,332 | 520,322 | 1,609,506 | 1,611,624 | 2,118 | 0% |
| Total | 612,491 | 621,332 | 520,322 | 1,609,506 | 1,611,624 | 2,118 | 0 |

SEWER ENTERPRISE PLANT EXPANSION FUND - 503

| | | | | | | | |
|---|---|---|---|---|---|---|----|
| Professional & Administrative Services - 42 | - | - | - | - | - | - | 0% |
| Legal Charges - 46126 | - | - | - | - | - | - | 0% |
| | - | - | - | - | - | - | 0% |

MAJOR NON-PERSONNEL EXPENSE DETAILS

| | | FY 2021/22 | FY 2022/23 |
|---|------------|------------|--------------|
| 42101 Professional Services | | \$ - | \$ - |
| Auditing Services | \$ - | | |
| 4810X Wastewater Revenue Bonds, Series 2016 | | \$ 518,866 | \$ 522,440 |
| 48101 - Principal | \$ 341,000 | | |
| 48102 - Interest | 181,440 | | |
| 4810X 2016 Clean Water State Revolving fund loan | | \$ 518,866 | \$ 1,089,184 |
| 48101 - Principal | \$ 679,383 | | |
| 48102 - Interest | 409,801 | | |

SEWER ENTERPRISE PLANT EXPANSION FUND - 503

| | | | |
|------------------------|------|------|------|
| 42501 Bank Fees | | \$ - | \$ - |
| Wells Fargo Bank Fees | \$ - | | |



CITY OF PINOLE
PROPOSED PRELIMINARY FY2022-23 THROUGH 2026-27
FIVE-YEAR CAPITAL IMPROVEMENT PLAN

| SOURCES BY FUND | FY 2022-23 | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | 5-Year Total |
|---------------------------------------|--------------|---------------|---------------|---------------|--------------|---------------|
| 100 - General Fund | \$ 435,000 | \$ 310,000 | | | | \$ 745,000 |
| 106 - Measure S 2014 | \$ 1,668,699 | \$ 1,528,860 | \$ 350,000 | \$ 100,000 | | \$ 3,647,559 |
| 200 - Gas Tax | \$ 100,000 | | \$ 381,082 | | | \$ 481,082 |
| 214 - Solid Waste | \$ 425,000 | | | | | \$ 425,000 |
| 215 - Measure J | \$ 350,000 | | | | | \$ 350,000 |
| 276 - Growth Impact Fees | \$ 88,000 | \$ 320,000 | \$ 200,000 | | | \$ 608,000 |
| 325 - City Street Improvements | \$ 1,687,633 | \$ 890,000 | \$ 727,321 | \$ 890,000 | | \$ 4,194,954 |
| 327 - Park Grants | \$ 189,758 | | | | | \$ 189,758 |
| 377 - Arterial Streets Rehabilitation | \$ 758,624 | \$ 247,250 | | | | \$ 1,005,874 |
| 500 - Sewer Enterprise Fund | \$ 2,400,235 | \$ 2,000,000 | \$ 906,597 | \$ 800,000 | \$ 3,800,000 | \$ 9,906,832 |
| Sources Total | \$ 8,102,949 | \$ 5,296,110 | \$ 2,565,000 | \$ 1,790,000 | \$ 3,800,000 | \$ 21,554,059 |
| Unfunded Total | | \$ 16,293,235 | \$ 9,231,700 | \$ 8,439,200 | \$ 970,000 | \$ 34,934,135 |
| Total Sources Required | \$ 8,102,949 | \$ 21,589,345 | \$ 11,796,700 | \$ 10,229,200 | \$ 4,770,000 | \$ 56,488,194 |

| FACILITIES | | | | | | | | | |
|----------------------------|---|-------------|--------------|--------------|--------------|-------------|---------------|------------------|--------------------------|
| PRJ # | USES BY PROJECT | FY 2022-23 | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | Account # | FY 2022-23 Funds | Funding Source |
| FA2201 | Public Safety Building Modernization | | \$100,000 | \$100,000 | \$100,000 | | | | |
| FA2202 | Senior Center Modernization | \$60,000 | \$100,000 | \$100,000 | | | 106-343-47201 | \$60,000 | Measure S 2014 |
| FA2002 | Electric Vehicle Charging Stations | \$50,000 | | | | | 106-343-47201 | \$50,000 | Measure S 2014 |
| FA1901 | Senior Center Auxiliary Parking Lot formerly known as Fowler House lot reuse | \$149,120 | \$588,860 | | | | 106-343-47201 | \$149,120 | Measure S 2014 |
| FA1902 | Energy Upgrades | \$120,811 | | | | | 106-343-47201 | \$120,811 | Measure S 2014 |
| FA1702 | Citywide Roof repairs and replacement | \$272,000 | \$140,000 | | | | 106-343-47201 | \$272,000 | Measure S 2014 |
| FA1703 | City Hall Modernization formerly known as Paint City Hall | \$125,000 | \$125,000 | | | | 106-343-47201 | \$125,000 | Measure S 2014 |
| PARKS | | | | | | | | | |
| PRJ # | USES BY PROJECT | FY 2022-23 | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | Account # | FY 2022-23 Funds | Funding Source |
| PA2203 | Playground Rubberized Surface Improvements | \$237,198 | | | | | 106-343-47201 | \$47,440 | Measure S 2014 |
| | | | | | | | 327-345-47203 | \$189,758 | Park Grants |
| PA2202 | Skatepark Rehabilitation | | | \$150,000 | | | | | |
| PA2201 | Pocket Park - Galbreth Ave. | \$65,000 | | | | | 106-343-47201 | \$65,000 | Measure S 2014 |
| PA2101 | Installation of high-capacity trash bins | \$425,000 | | | | | 214-345-47203 | \$425,000 | Solid Waste Fund |
| PA1901 | Pinole Valley Park Soccer Field Rehabilitation | | \$200,000 | | | | | | |
| SANITARY SEWER | | | | | | | | | |
| PRJ # | USES BY PROJECT | FY 2022-23 | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | Account # | FY 2022-23 Funds | Funding Source |
| SS2203 | Effluent Outfall | \$150,000 | | | | \$3,000,000 | 500-641-47201 | \$150,000 | Sewer Enterprise |
| SS2202 | Replacement of Diesel Tank | \$150,000 | | | | | 500-641-47201 | \$150,000 | Sewer Enterprise |
| SS2201 | Sanitary Sewer Rehabilitation | \$1,500,000 | \$800,000 | \$800,000 | \$800,000 | \$800,000 | 500-642-47201 | \$1,500,000 | Sewer Enterprise |
| SS2101 | Secondary Clarifier - Center Column Rehabilitation | \$350,000 | | | | | 500-641-47201 | \$350,000 | Sewer Enterprise |
| SS2102 | Air Release Valve Replacements | \$50,000 | | | | | 500-641-47201 | \$50,000 | Sewer Enterprise |
| SS2002 | Water Pollution Control Plant Lab Remodel | \$100,000 | | | | | 500-641-47201 | \$100,000 | Sewer Enterprise |
| SS1702 | Sewer Pump Station Rehabilitation | | \$1,200,000 | | | | | | |
| STORMWATER | | | | | | | | | |
| PRJ # | USES BY PROJECT | FY 2022-23 | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | Account # | FY 2022-23 Funds | Funding Source |
| SW2001 | Roble Road Drainage Improvements | \$30,000 | \$320,000 | | | | 276-344-47206 | \$30,000 | Growth Impact Fees |
| SW2002 | Adobe Road Repair and Drainage Improvements | \$30,000 | \$200,000 | | | | 106-344-47206 | \$30,000 | Measure S 2014 |
| SW1901 | Hazel Street Gap Closure (Sunnyview) | \$473,000 | | | | | 106-344-47206 | \$415,000 | Measure S 2014 |
| | | | | | | | 276-344-47206 | \$58,000 | Growth Impact Fees |
| STREETS & ROADS | | | | | | | | | |
| PRJ # | USES BY PROJECT | FY 2022-23 | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | Account # | FY 2022-23 Funds | Funding Source |
| RO2501 | Residential Slurry Seal | | | | \$890,000 | | | | |
| RO2401 | Cape Seal | | | \$560,000 | | | | | |
| RO2301 | Residential Slurry Seal | | \$890,000 | | | | | | |
| RO2101 | Arterial Rehabilitation | \$758,624 | \$247,250 | | | | 377-342-47205 | \$758,624 | Arterial Rehabilitation |
| RO2102 | Tennent Ave. Rehabilitation | \$10,382 | | \$655,000 | | | 500-641-47201 | \$10,382 | Sewer Enterprise |
| RO2105 | Appian Way Complete Streets | \$100,000 | | | | \$970,000 | 325-342-47205 | \$100,000 | WCCTAC - STMP Fees |
| RO2107 | Brandt St. Improvements | \$170,000 | | | | | 100-342-47205 | \$170,000 | General Fund |
| RO1902 | Pedestrian Improvements at Tennent Ave. near R X R | \$42,976 | | \$800,000 | | | 325-342-47205 | \$42,976 | WCCTAC - STMP Fees |
| RO1802 | Hazel Street Gap Closure (Sunnyview) | | | \$200,000 | | | | | |
| RO1710 | San Pablo Ave. Bridge over BNSF Railroad | \$1,385,463 | \$16,293,235 | \$8,431,700 | \$8,439,200 | | 325-342-47205 | \$1,223,746 | WCCTAC - STMP Fees |
| | | | | | | | 325-342-47205 | \$80,000 | CCTA Measure J |
| | | | | | | | 325-342-47205 | \$81,717 | Caltrans - HBP |
| RO1708 | Pinole Valley Road Improvements | \$100,000 | | | | | 200-342-47205 | \$100,000 | Gas Tax - RMRA |
| | | | | | | | 325-342-47205 | \$9,144 | City Street Improvements |
| RO1714 | Safety Improvements at Appian Way & Marlesta Rd. formerly known as HAWK at Appian Way and Marlesta | \$637,872 | | | | | 215-342-47205 | \$350,000 | MTC/OBAG2 |
| | | | | | | | 325-342-47205 | \$129,400 | MTC/TDA Article 3 |
| | | | | | | | | | |
| | | | | | | | 106-344-47206 | \$149,328 | Measure S 2014 |
| INFRASTRUCTURE ASSESSMENTS | | | | | | | | | |
| PRJ # | USES BY PROJECT | FY 2022-23 | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 | Account # | FY 2022-23 Funds | Funding Source |
| IN2201 | Energy Audit | \$50,000 | | | | | 106-344-47206 | \$50,000 | Measure S 2014 |
| IN2101 | Emergency Power for Critical Facilities | \$30,000 | \$170,000 | | | | 100-343-47201 | \$30,000 | General Fund |
| IN2102 | Municipal Broadband Feasibility | \$60,000 | | | | | 106-118-47201 | \$60,000 | Measure S 2014 |
| IN2103 | Recycled Water Feasibility | \$60,000 | \$140,000 | | | | 100-341-42101 | \$60,000 | General Fund |
| IN2104 | Local Road Safety Plan | \$20,650 | | | | | 325-342-47205 | \$20,650 | Caltrans - HSIP |
| IN2106 | Active Transportation Plan | \$75,000 | | | | | 100-341-42101 | \$75,000 | General Fund |
| IN2001 | Sanitary Sewer Collection System Master Plan | \$89,853 | | | | | 500-642-47201 | \$89,853 | Sewer Enterprise |
| IN1703 | Storm Drainage Master Plan | \$75,000 | \$75,000 | | | | 106-344-47206 | \$75,000 | Measure S 2014 |
| IN1704 | Park Master Plan | \$100,000 | | | | | 106-344-47206 | \$100,000 | Measure S 2014 |
| | Uses by Project Total | \$8,102,949 | \$21,589,345 | \$11,796,700 | \$10,229,200 | \$4,770,000 | | | |

SANITARY SEWER

SS2101 - Secondary Clarifier—Center Column Rehabilitation

Initial Project Start: July 1, 2021
Initial Project Completion: June 30, 2022
Revised Project Start:
Revised Project Completion:
Project Origin: End of life cycle
Multi-year Project: No



Description: The Secondary Clarifier #5 has reached the end of its useful life. The project will involve removal and replacement of catwalk, drive mechanism, center column, and rake arm.

Supplemental Information: The City of Hercules will be reimburse the Sewer Enterprise fund for 50% of the total project cost.

Note to City of Hercules:
 This CIP is continued from previous year and is part of shared cost.

| | Fund | Prior Funding | FY 2021-22 | FY 2022-23 | FY 2023-24 | FY 2024-25 | FY 2025-26 |
|--------------|--|---------------|-------------------|------------|------------|------------|------------|
| Construction | 500 | | \$ 350,000 | | | | |
| | Subtotal | | \$ 350,000 | | | | |
| | Total Cost Estimate: \$ 350,000 | | | | | | |

SANITARY SEWER

SS2102 - Air Release Valve Replacement

Initial Project Start: July 1, 2021
Initial Project Completion: June 30, 2022
Revised Project Start:
Revised Project Completion:
Project Origin: Staff Recommendation
Multi-year Project: No



Description: There are four air relief valves at various locations on the WPCP Effluent Pipeline between the WPCP and the Rodeo treated water discharge point. This project includes removal and replacement of the pipe saddle, short pipe section, isolation valve, and air relief valve.

Supplemental Information: The four locations are: 1) across from the WPCP at 11 Tennent Ave., near the entrance of the SF Bay Trail, 2) On the SF Bay Trail near the corner of Santa Fe and Railroad Ave., 3) At the intersection of Mariposa St. and Railroad Ave. (Rodeo), 4) Outside the gate of Rodeo Sanitary District at 800 San Pablo Ave. (Rodeo). The City of Hercules will be reimburse the Sewer Enterprise fund for 50% of the total project cost.

Note to City of Hercules:
 This CIP is continued from previous year and is part of shared cost.

Budget:

| | Fund | Prior Funding | FY 2021-22 | FY 2022-23 | FY 2023-24 | FY 2024-25 | FY 2025-26 |
|---------------------|---------------------------------------|---------------|------------------|------------|------------|------------|------------|
| Construction | 500 | | \$ 50,000 | | | | |
| | Subtotal | | \$ 50,000 | | | | |
| | Total Cost Estimate: \$ 50,000 | | | | | | |

SANITARY SEWER

SS2103 - Recycled Water Feasibility

Initial Project Start: July 1, 2022
Initial Project Completion: June 30, 2023
Revised Project Start:
Revised Project Completion:
Project Origin: Council Request
Multi-year Project: No



For FY 22-23, the scope of this CIP was reduced to a Feasibility Study. The feasibility study will identify potential recycled water customers, evaluate the quantity, quality, and recycled water distribution system options to address the needs of potential users in surrounding areas.

Note for City of Hercules:
City of Hercules is invited to participate in this program to identify potential recycled water customers in the City of Hercules. As there is not adequate space for a full fledged tertiary filtration at the existing facility, the only option may be membrane based treatment system with a maximum capacity of 0.5mgd for recycled water. However, we are no where near that determination and that is why this feasibility study. This feasibility study will not address EBMUD efforts for recycled water at Philips 66. If City of Hercules wants to participate in this study, this cost can be shared. We anticipate this feasibility study will cost around \$200k over 2 fiscal years. We are budgeting \$60k for FY 22-23.

Budget:

This budget is revised. See the attached summary sheet, under Infrastructure Assessment.

SANITARY SEWER

SS2002 Water Pollution Control Plant Lab Remodel

| | |
|------------------------------------|------------------------|
| Initial Project Start: | July 1, 2020 |
| Initial Project Completion: | June 30, 2021 |
| Revised Project Start: | July 1, 2021 |
| Revised Project Completion: | June 30, 2022 |
| Project Origin: | Regulatory Requirement |
| Multi-year Project: | No |



Description: The California Environmental Laboratory Accreditation Program (ELAP) is responsible for accrediting environmental testing labs including the Pinole - Hercules WPCP. The 2019 ELAP inspection results indicated the lab apparatus, countertops, and the fume hood are past their useful life and recommended replacement.

Supplemental Information: The City of Hercules will be reimburse the Sewer Enterprise fund for 50% of the total project cost.

Note to City of Hercules:

This CIP is continued from previous year and is part of shared cost.

Budget:

| | Fund | Prior Funding | FY 2021-22 | FY 2022-23 | FY 2023-24 | FY 2024-25 | FY 2025-26 |
|---------------------|--|---------------|-------------------|------------|------------|------------|------------|
| Construction | 500 | | \$ 100,000 | | | | |
| | Subtotal | | \$ 100,000 | | | | |
| | Total Cost Estimate: \$ 100,000 | | | | | | |