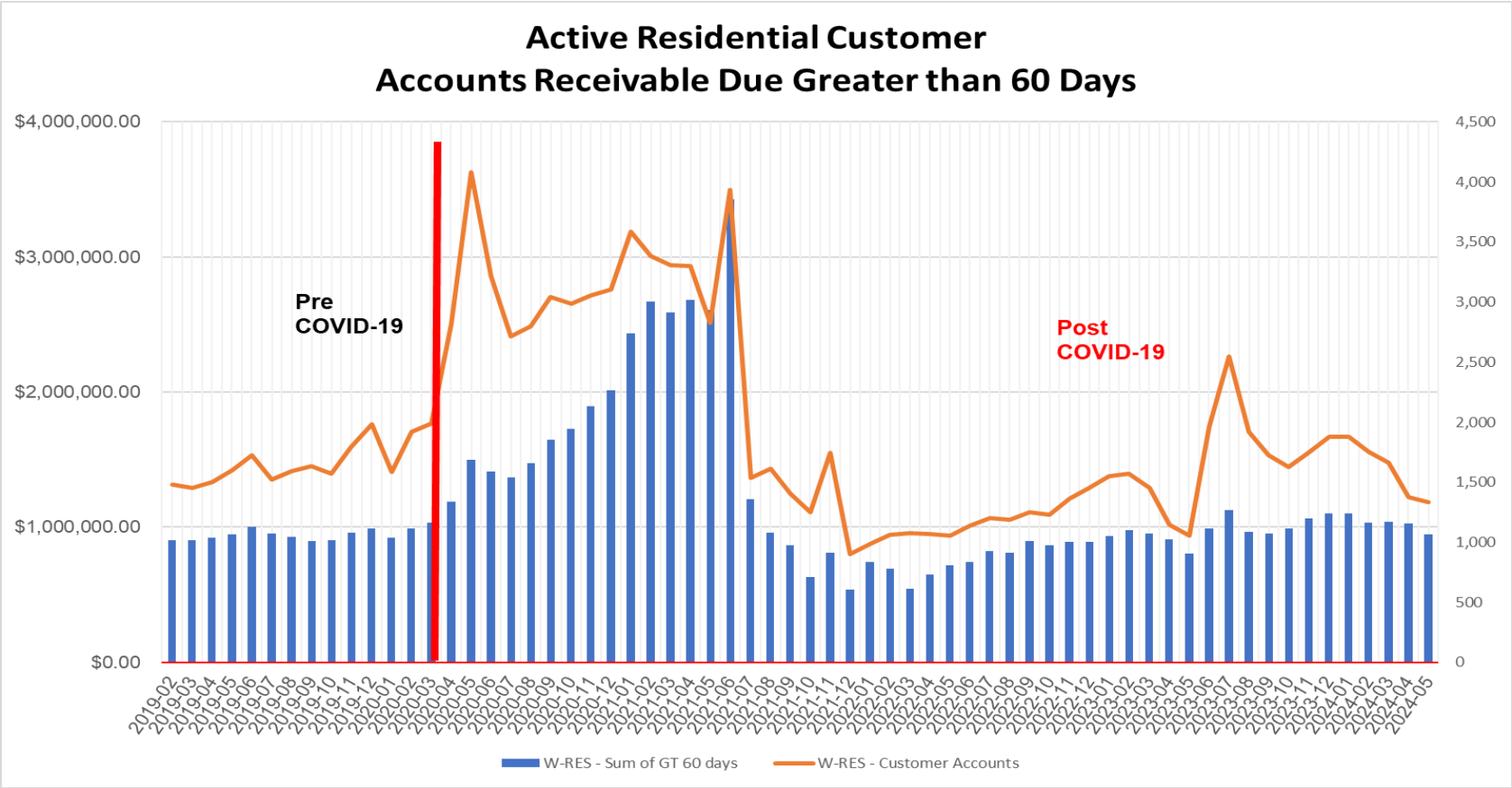


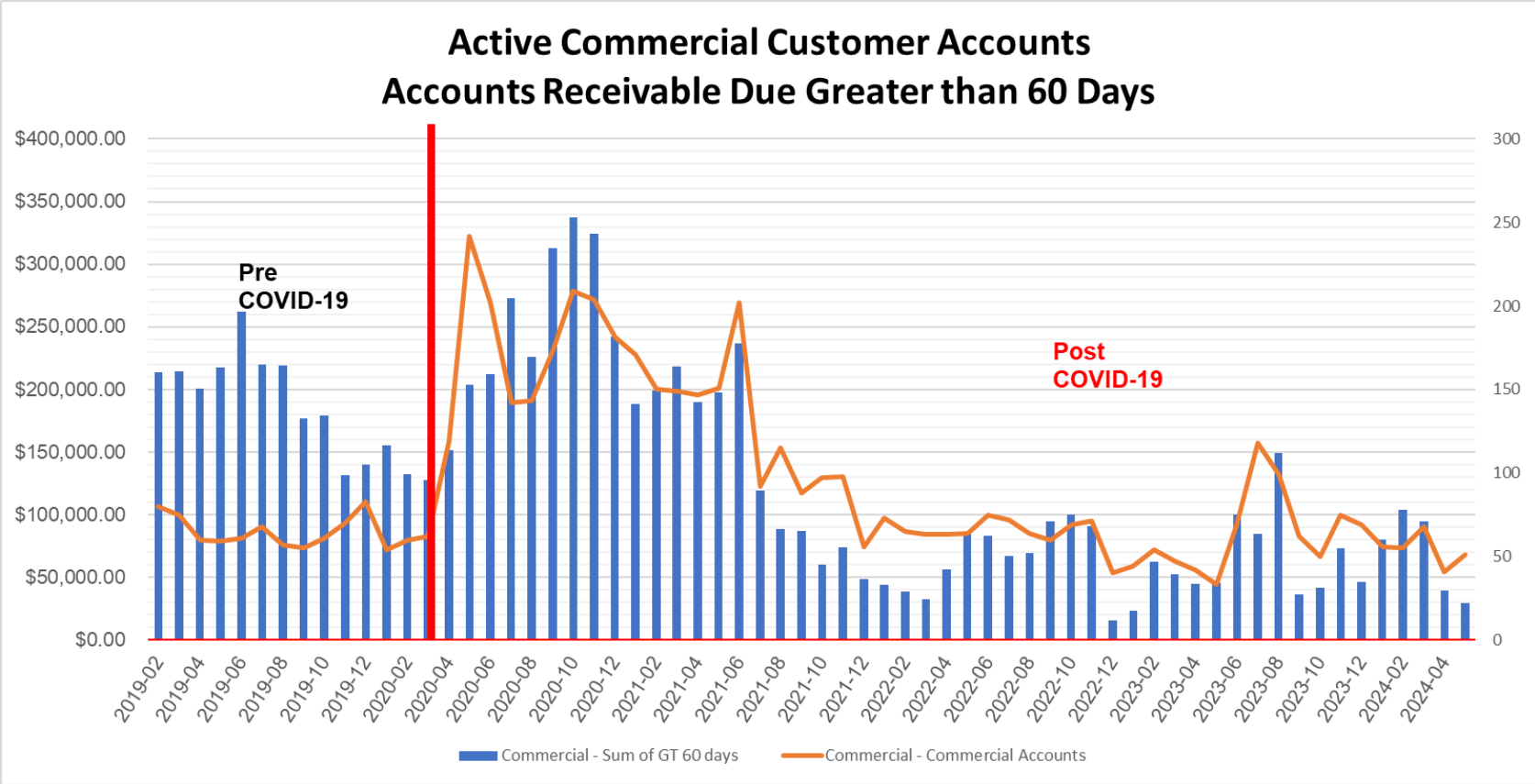


Accounts Receivables – Active Residential Customers (for April 2024)





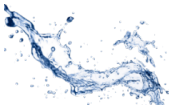
Accounts Receivables – Active Commercial Customers (April 2024)





## Highlights of Customer Care Section Operations (April 2024)

- The average wait time In April 2024 for all 3 locations decreased by 1 minute @ 3 minutes as compared to 4 minutes for March 2024.
- The number one reason for visit to each GPWA location is identical to March 2024 :
  - Gloria B Nelson Public Service Bldg. Fadian = Apply for water
  - Julale Satellite Office = Copy of bill
  - Upper Tumon Satellite Office = Apply for water
- The total number of Facebook visits in April is 4722 as compared to 8025 March 2024. This number is driven mostly by outages occurring.
- Instagram profile visits for April 2024 @ 310 is similar to the 322 Instagram visits in March 2024.
- April 2024 average number of active pay plans is 389 which compared similarly to March 2024 @ 396.
- 519 total emails were received in April 2024 which compares similarly to the 525 emails received in March 2024.
- Meter Reading Unit reported a small decrease in successful electronic read percentage average @ 95.47% as compared to 95.5% in March 2024. The decrease continues to be the result of depleting endpoint battery life.
- 12.9% of GWA active meters recorded ongoing leakages as compared to the 12.5% recorded in March 2024.





# GWA Financial Overview

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APRIL 2024



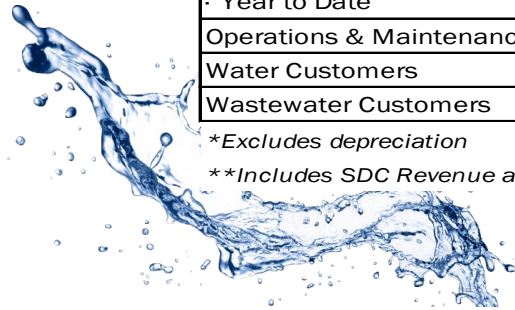


## Key Financial Indicators

| Indicator                         | Target      | Feb-24      | Mar-24      | Apr-24      |
|-----------------------------------|-------------|-------------|-------------|-------------|
| DSC YTD                           |             |             |             |             |
| · Per Section 6.12 of Indenture   | 1.25        | 1.58        | 1.49        | 1.45        |
| · Per PUC / CCU                   | 1.30        | 1.58        | 1.49        | 1.45        |
| Days – Cash on Hand               | 120 days    | 290 days    | 312 days    | 311 days    |
| Collection Ratio**                |             |             |             |             |
| · Month to Date                   | 99%         | 99%         | 100%        | 85%         |
| · Year to Date                    | 99%         | 89%         | 91%         | 90%         |
| Days Billed                       | 30 days     | 30 days     | 30 days     | 29 days     |
| Account Receivable Days           | 30 days     | 39 days     | 38 days     | 40 days     |
| Account Payable Days              | 45 days     | 38 days     | 33 days     | 34 days     |
| Employee Count                    | 400 FTE     | 351 FTE     | 350 FTE     | 349 FTE     |
| Water Demand                      |             |             |             |             |
| · Month to Date                   | 451,933     | 418,166     | 451,256     | 427,852     |
| · Year to Date                    | 3,163,533   | 2,105,853   | 2,557,110   | 2,984,962   |
| Wastewater Flow                   |             |             |             |             |
| · Month to Date                   | 317,500     | 298,261     | 338,918     | 328,076     |
| · Year to Date                    | 2,222,500   | 1,534,418   | 1,873,336   | 2,201,411   |
| Operations & Maintenance Expense* | \$6,567,186 | \$5,537,977 | \$6,311,579 | \$6,834,138 |
| Water Customers                   | 43,978      | 43,529      | 43,517      | 43,640      |
| Wastewater Customers              | 30,781      | 31,216      | 31,298      | 31,024      |

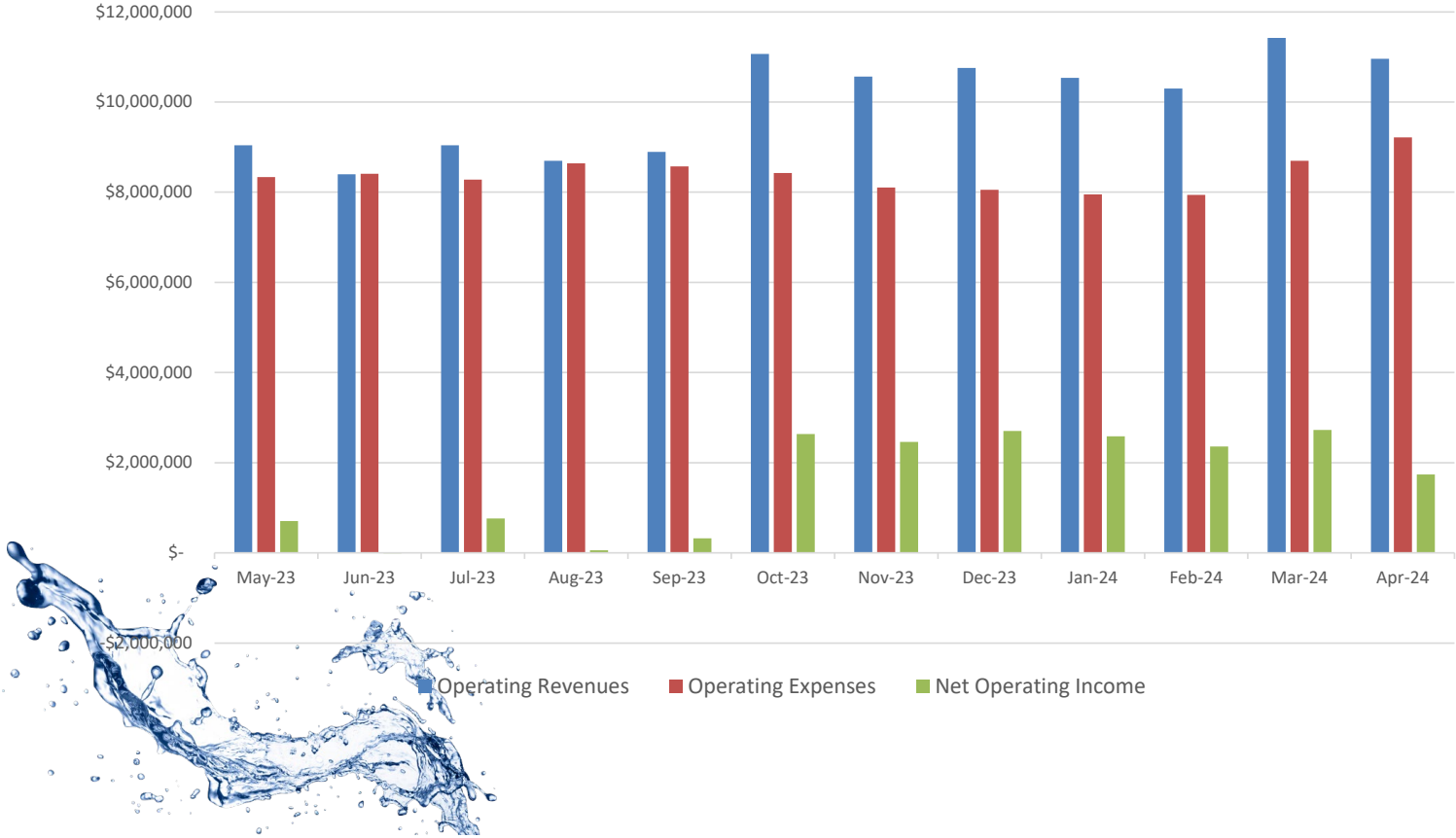
\*Excludes depreciation

\*\*Includes SDC Revenue and Collection



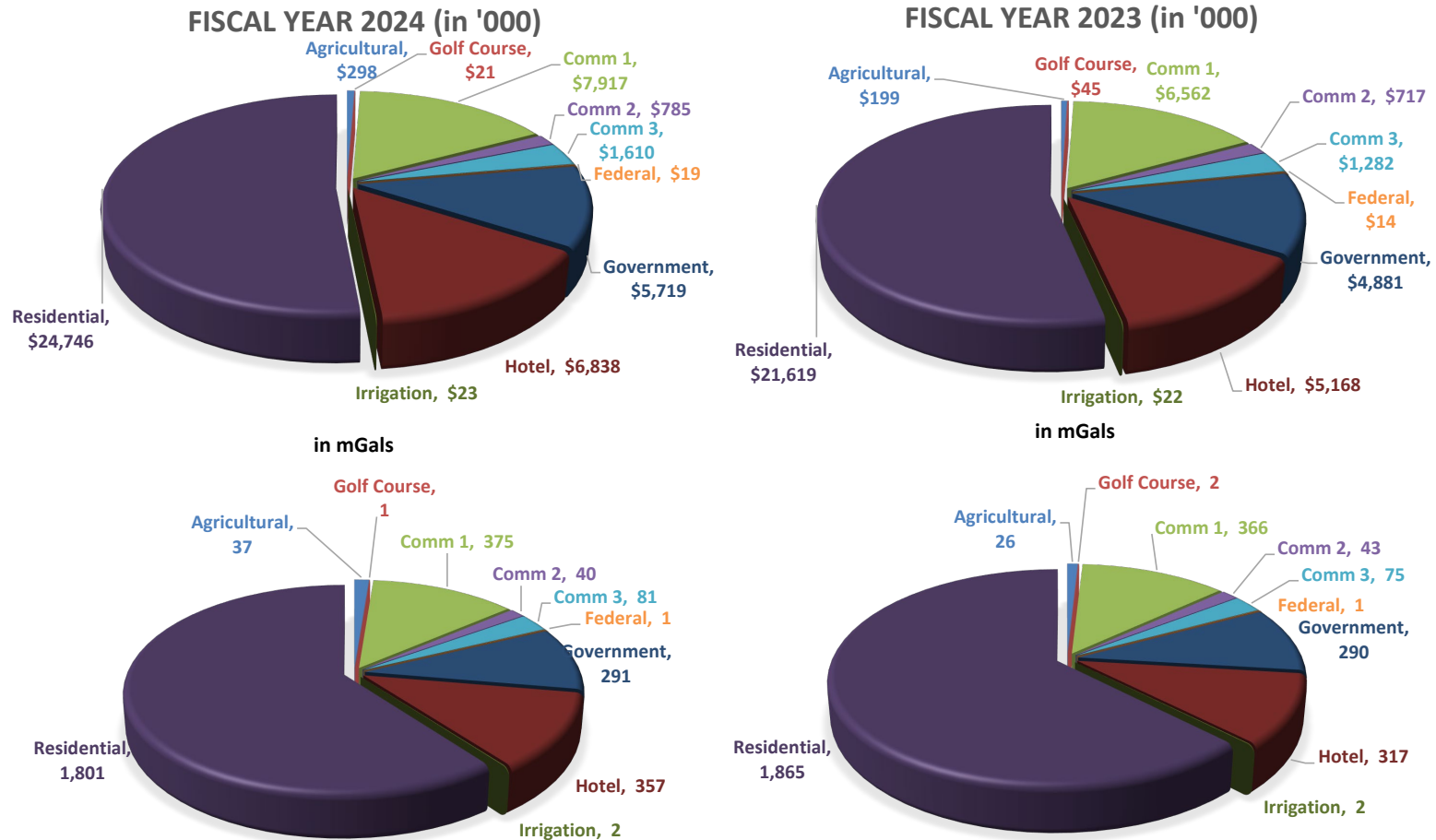


# Income Statement





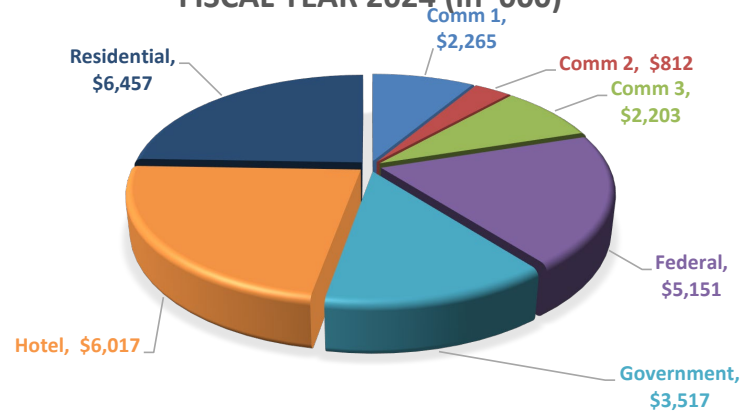
## APRIL YTD Water Revenue/Demand by Rate Class



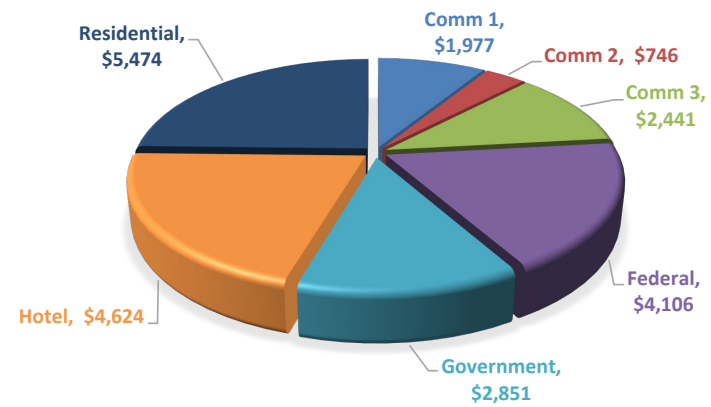


## APRIL YTD Waste Water Revenue/FLOW by Rate Class

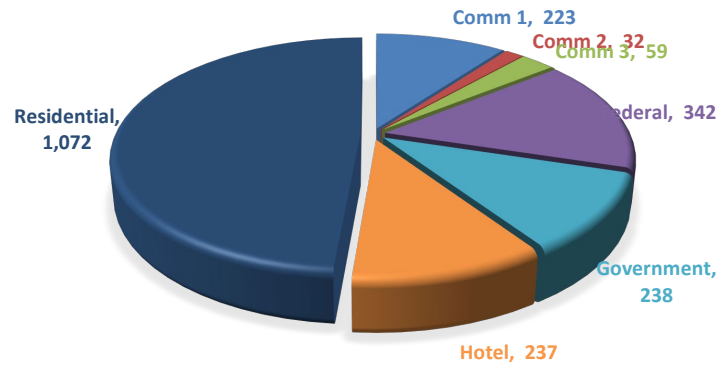
FISCAL YEAR 2024 (in '000)



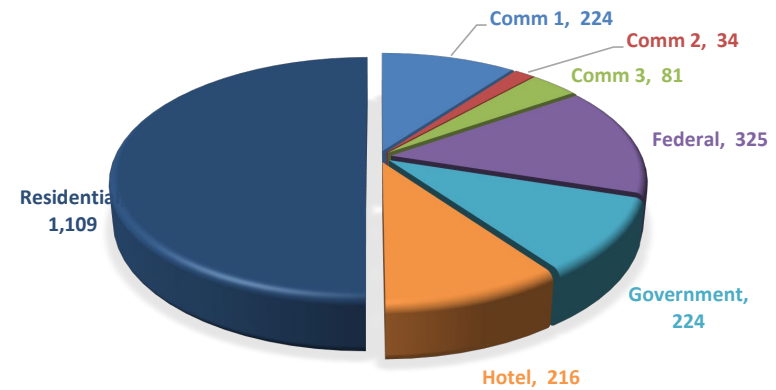
FISCAL YEAR 2023 (in '000)



in mGals



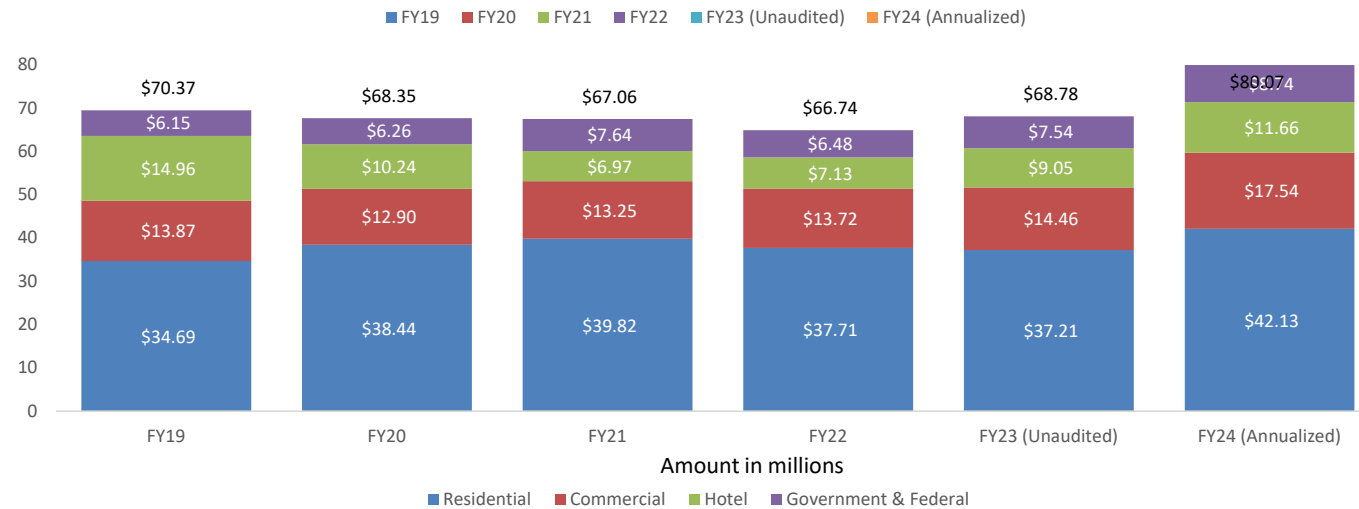
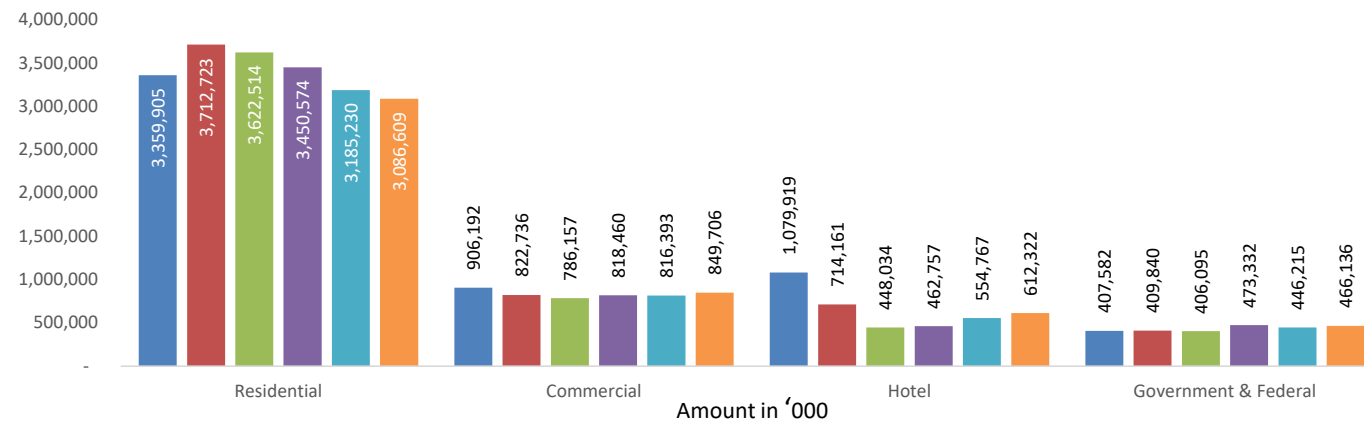
in mGals





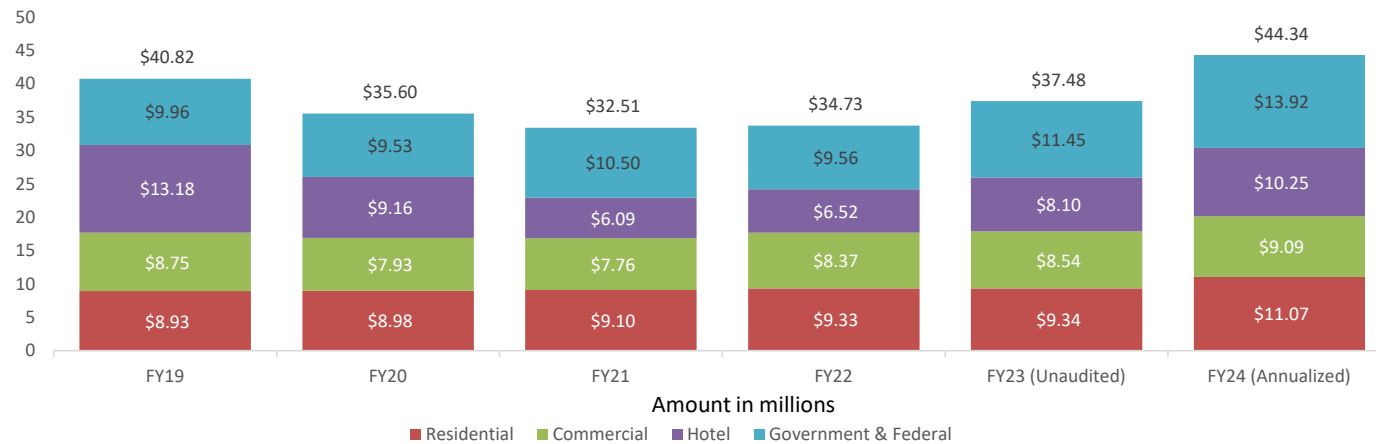
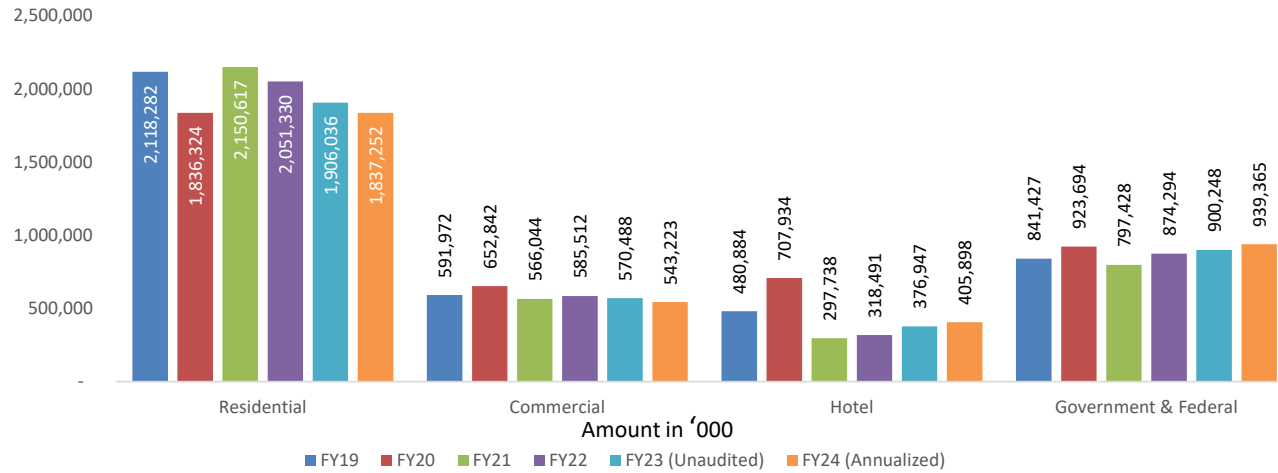


## Annual Water Demand and Revenues by Rate Class



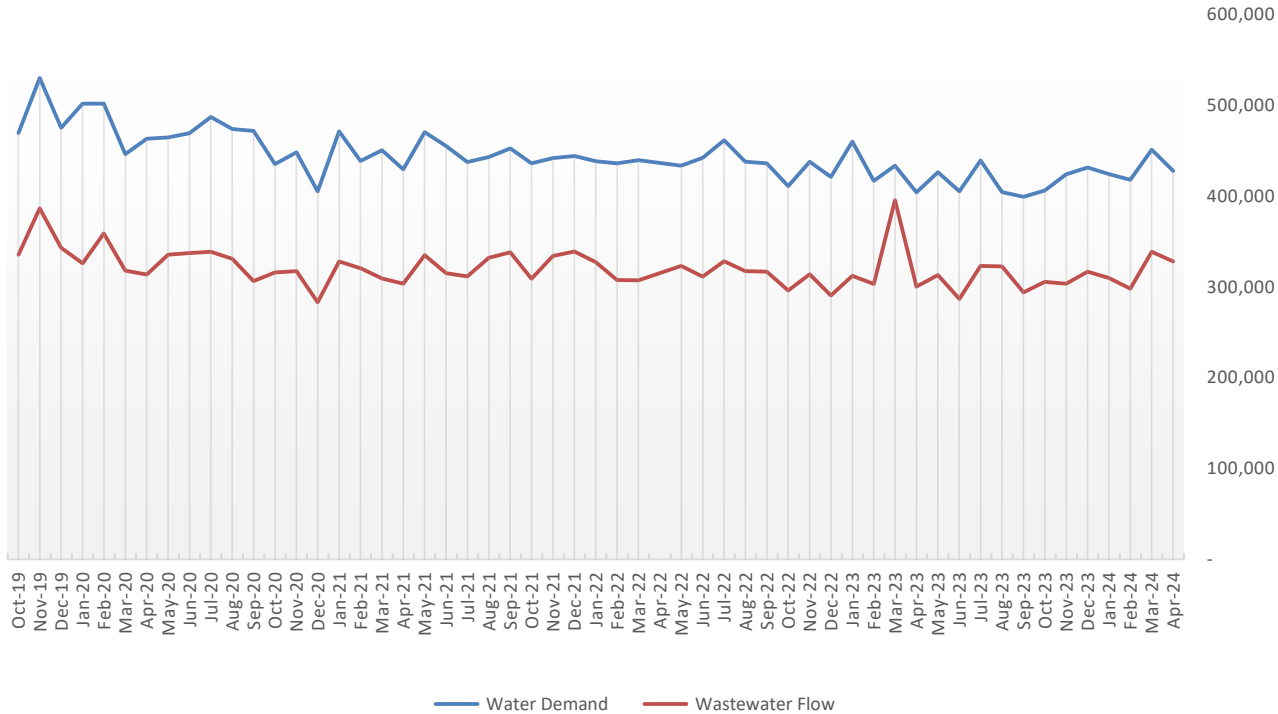


## Annual Wastewater Billable Flows and Revenues by Rate Class





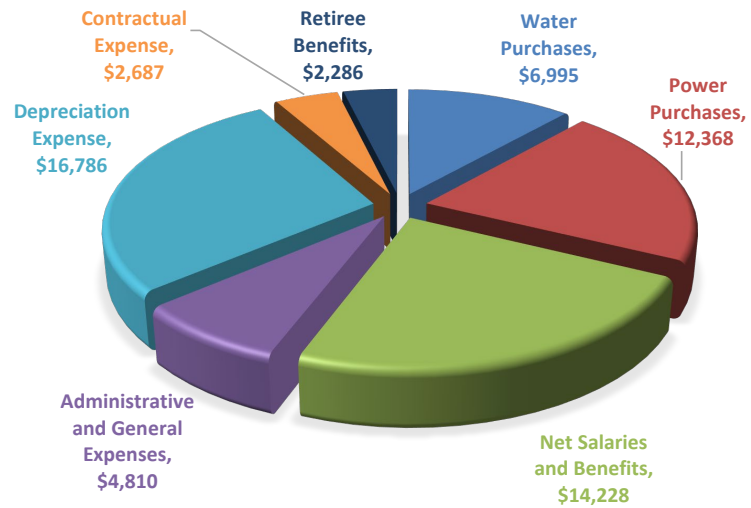
# Water Demand & Wastewater Flow – 4 Years



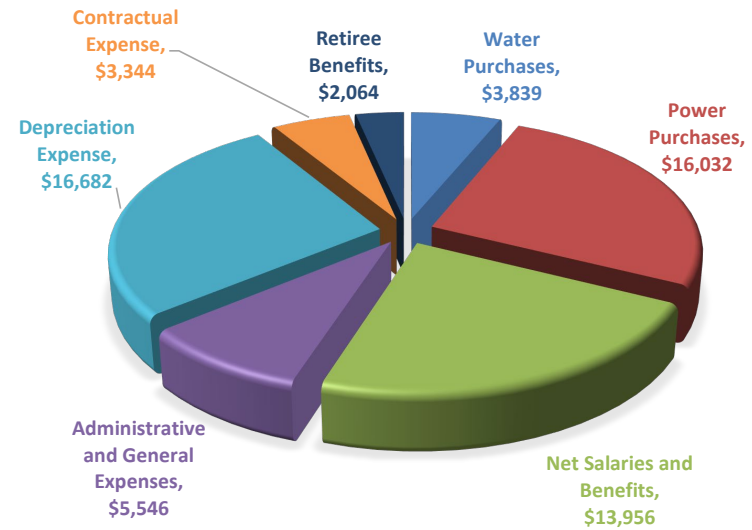


## APRIL YTD Expenses by Categories

FY2024 (in '000)

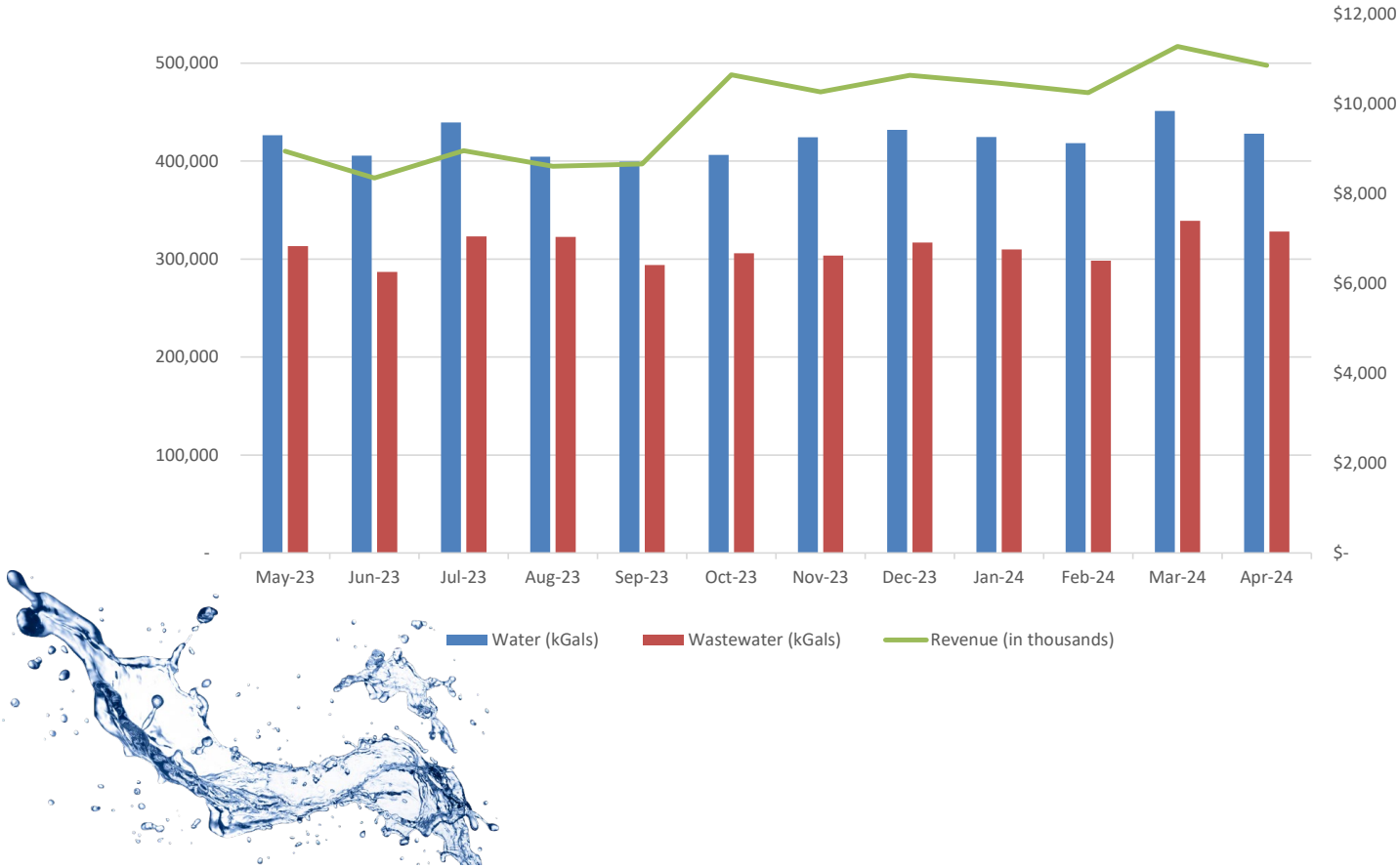


FY2023 (in '000)



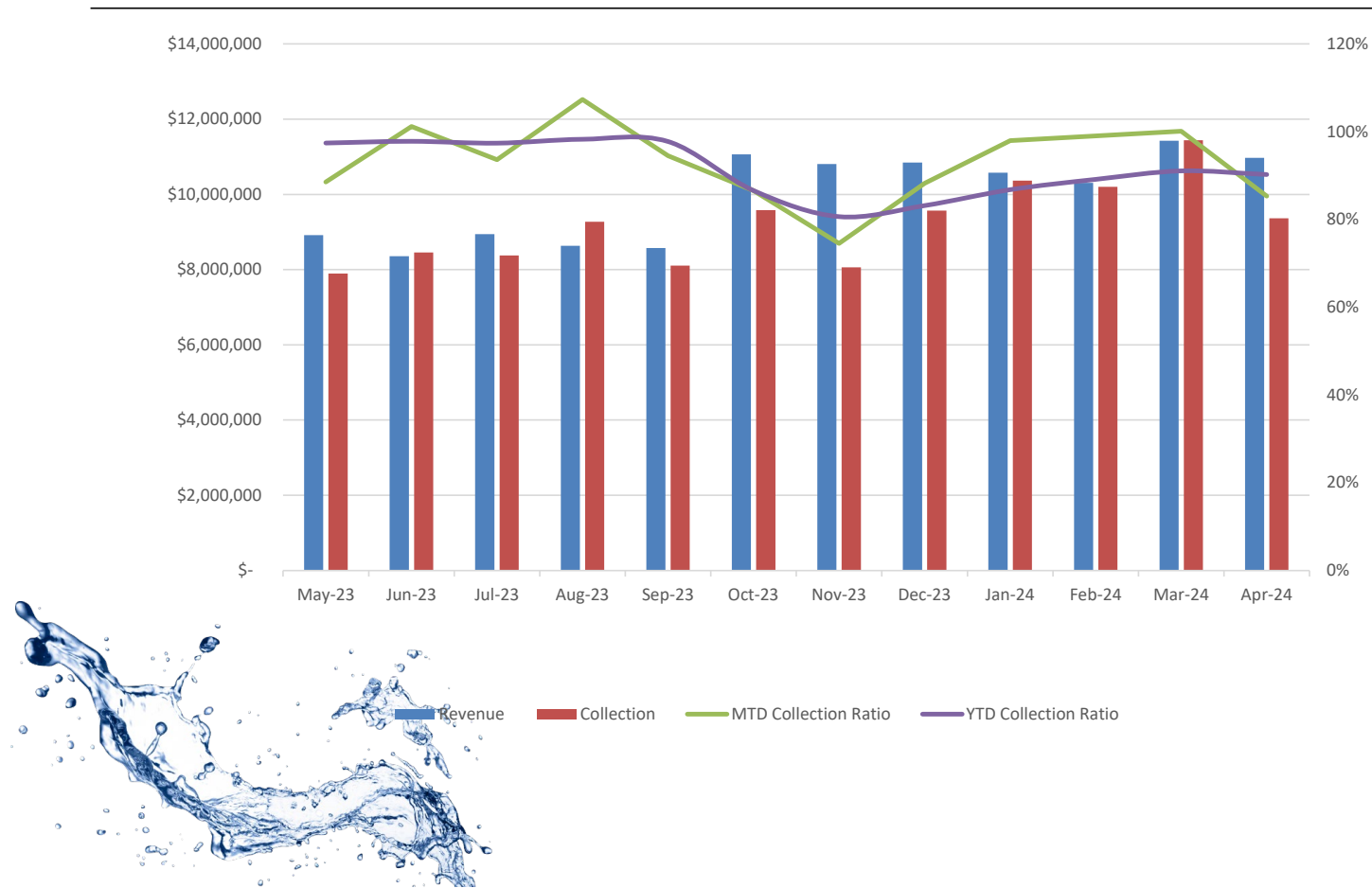


# Overall Revenues and Demand



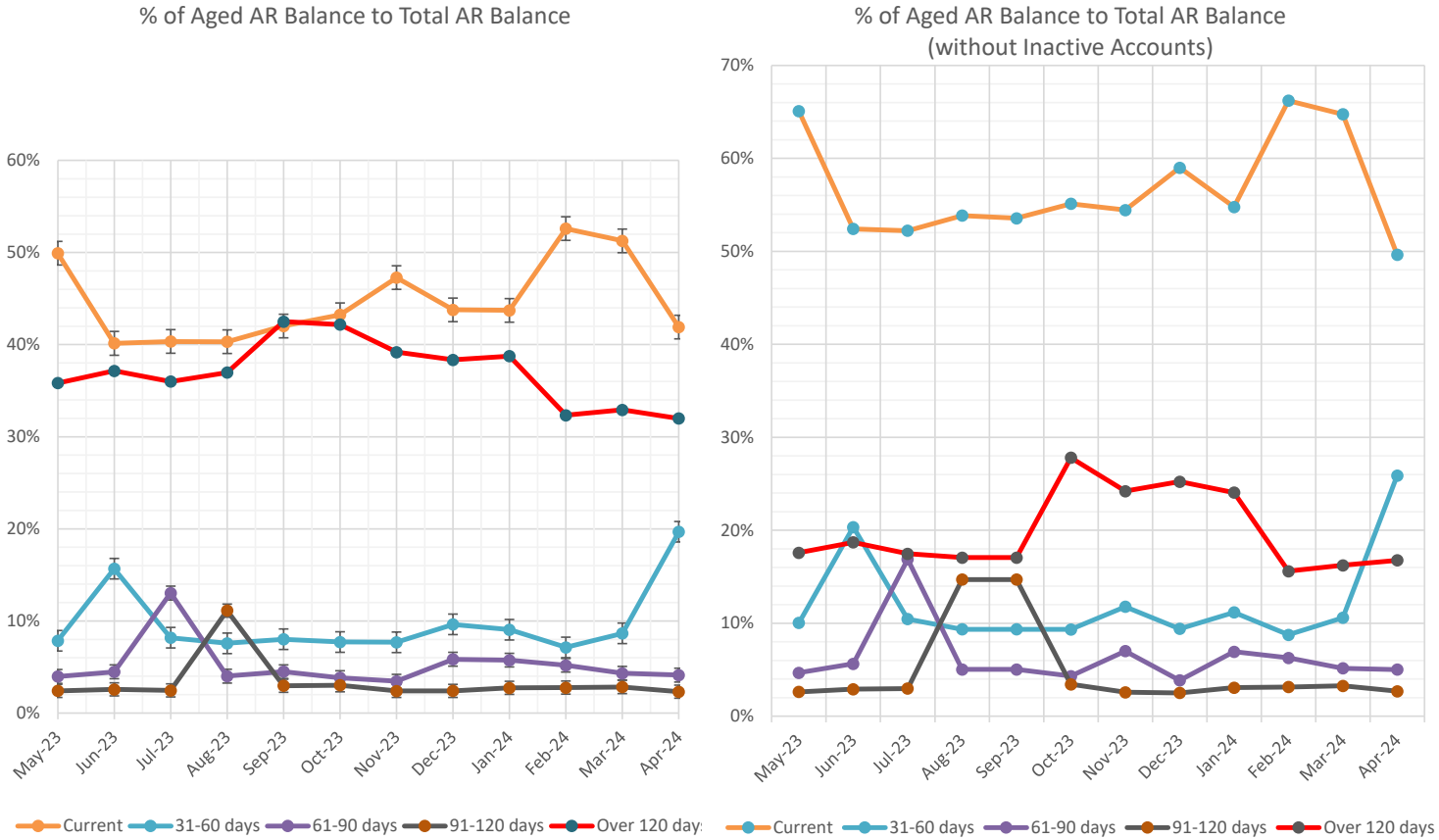


## Overall Revenues and Collections

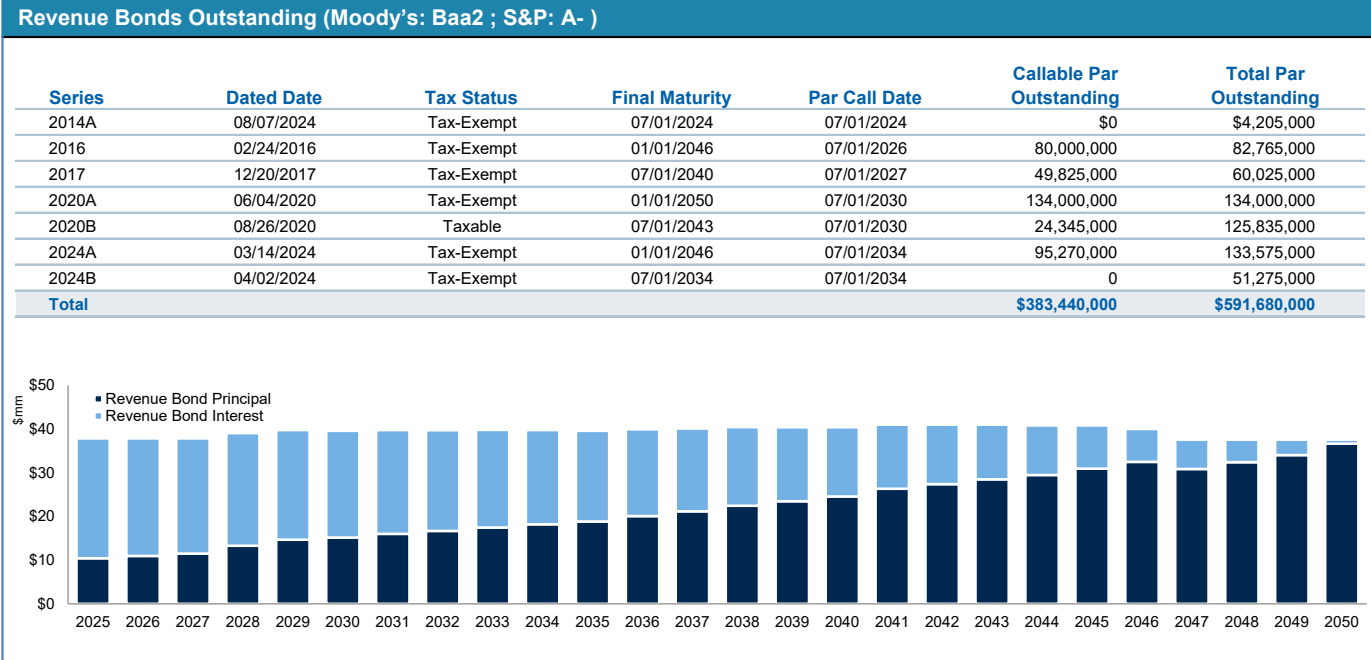




# Overall – AR Aging

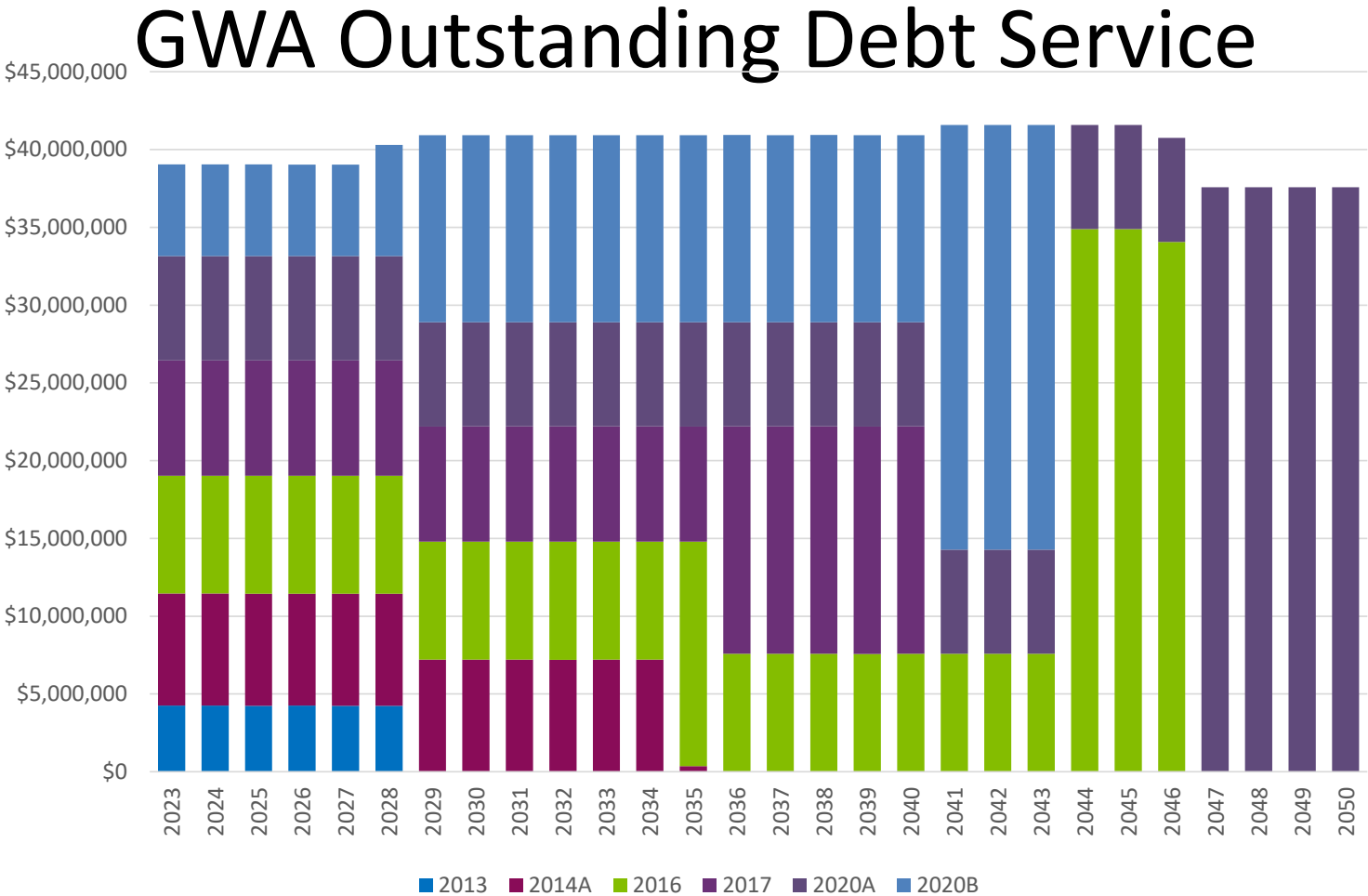


# GWA Revenue Bonds



Source: Guam Waterworks Authority.  
Aggregated by Fiscal Year Ending September 30.





Source: Guam Waterworks Authority.  
Aggregated by Fiscal Year Ending September 30.

1

**GWA Utility Services Division**  
**Monthly Status Report**  
**Month ending APR 2024**

| FY2024<br>UTILITY SERVICES DIVISION ACTIVITIES       |   | WEEK<br>ENDING:<br>04/06/24 | WEEK<br>ENDING:<br>04/13/24 | WEEK<br>ENDING:<br>04/20/24 | WEEK<br>ENDING:<br>04/27/24 | APR 2024<br>MONTHLY<br>TOTAL | WEEKLY<br>AVERAGE<br>APR 2024 | PREVIOUS MONTH                |                              |
|--|---|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|------------------------------|
|  |   |                             |                             |                             |                             |                              |                               | WEEKLY<br>AVERAGE<br>MAR 2024 | MAR 2024<br>MONTHLY<br>TOTAL |
| <b>Collections Activities:</b>                       |   |                             |                             |                             |                             |                              |                               |                               |                              |
| I.   | Number of accounts cut for nonpayment:                  | 64                          | 91                          | 83                          | 82                          | 320                          | 85                            | 62                            | 248                          |
| II.  | Number of accounts restored for nonpayment:             | 67                          | 72                          | 74                          | 58                          | 271                          | 68                            | 51                            | 205                          |
| III.   | Number of No water reports responded to:                | 5                           | 2                           | 1                           | 0                           | 8                            | 1                             | 1                             | 3                            |
| IV.  | Number of Secure/Unsecure valve reports responded to:   | 5                           | 7                           | 7                           | 3                           | 22                           | 6                             | 4                             | 16                           |
| V.   | Number of Verify reads responded to:                    | 12                          | 7                           | 4                           | 4                           | 27                           | 5                             | 7                             | 28                           |
| VI.  | Number of new pay plans negotiated for active accounts: | 80                          | 90                          | 112                         | 85                          | 367                          | 96                            | 99                            | 396                          |
| VII.   | Number of active pay plans negotiated and ongoing:      | 347                         | 370                         | 389                         | 407                         |                              | 389                           | 369                           |                              |
| VIII.  | Number of inactive accounts with a payment arrangement: | 4                           | 4                           | 4                           | 4                           |                              | 4                             | 16                            |                              |
| IX.  | Number of broken payment plans:                         | 68                          | 38                          | 45                          | 34                          | 185                          | 39                            | 56                            | 224                          |
| <b>Customer Service Activities (lobby visits):</b>   |   |                             |                             |                             |                             |                              |                               |                               |                              |
| <b>A. GBN Public Service Building – Fadian</b>       |   |                             |                             |                             |                             |                              |                               |                               |                              |
| i.   | Total Customers Assisted:                               | 170                         | 151                         | 197                         | 153                         | 671                          | 167                           | 163                           | 651                          |
| ii.  | Total Abandoned Requests:                               | 1                           | 1                           | 8                           | 4                           | 14                           | 4                             | 4                             | 17                           |
| iii.   | Average Wait Time:                                      | 6 minutes                   | 3 minutes                   | 3 minutes                   | 3 minutes                   |                              | 3.75 minutes                  | 4.5 minutes                   |                              |
| iv.  | Average Service Time:                                   | 13 minutes                  | 13 minutes                  | 12 minutes                  | 12 minutes                  |                              | 12.5 minutes                  | 9.5 minutes                   |                              |
| v.   | Purpose of lobby visit:                                 |                             |                             |                             |                             |                              |                               |                               |                              |
| 1.   | Apply for water:  | 39                          | 50                          | 50                          | 52                          | 191                          | 51                            | 52                            | 209                          |
| 2.   | Restore water cut for non payment:                      | 13                          | 7                           | 10                          | 6                           | 36                           | 8                             | 11                            | 43                           |
| 3.   | Terminate Water:  | 20                          | 11                          | 9                           | 15                          | 55                           | 12                            | 12                            | 48                           |
| 4.   | Copy of Bill:   | 41                          | 38                          | 35                          | 26                          | 140                          | 33                            | 33                            | 131                          |
| 5.   | Billing Dispute:  | 54                          | 22                          | 44                          | 32                          | 152                          | 33                            | 36                            | 143                          |
| 6.   | Billing Dispute follow up:                              | 1                           | 4                           | 2                           | 3                           | 10                           | 3                             | 0                             | 0                            |
| 7.   | General Questions & Other:                              | 21                          | 26                          | 35                          | 24                          | 106                          | 28                            | 38                            | 153                          |
| 8.   | Report a water leak:                                    | 0                           | 0                           | 1                           | 1                           | 2                            | 1                             | 0                             | 1                            |
| 9.   | Report water theft:                                     | 0                           | 0                           | 0                           | 0                           | 0                            | 0                             | 0                             | 1                            |
| 10.  | Payment Arrangement:                                    | 21                          | 12                          | 19                          | 12                          | 64                           | 14                            | 16                            | 62                           |
| <b>B. Julale Satellite Office – Hagatna</b>          |   |                             |                             |                             |                             |                              |                               |                               |                              |
| i.   | Total Customers Assisted:                               | 208                         | 189                         | 141                         | 153                         | 691                          | 161                           | 161                           | 645                          |
| ii.  | Total Abandoned Requests:                               | 6                           | 2                           | 2                           | 2                           | 12                           | 2                             | 3                             | 13                           |
| iii.   | Average Wait Time:                                      | 3 minutes                   | 1 minutes                   | 1 minutes                   | 1 minutes                   |                              | 1.5 minutes                   | 2.25 minutes                  |                              |
| iv.  | Average Service Time:                                   | 10 minutes                  | 6 minutes                   | 10 minutes                  | 8 minutes                   |                              | 8.5 minutes                   | 9.25 minutes                  |                              |
| v.   | Purpose of lobby visit:                                 |                             |                             |                             |                             |                              |                               |                               |                              |
| 1.   | Apply for water:  | 54                          | 34                          | 35                          | 30                          | 153                          | 33                            | 35                            | 140                          |
| 2.   | Restore water cut for non payment:                      | 12                          | 12                          | 5                           | 12                          | 41                           | 10                            | 9                             | 34                           |
| 3.   | Terminate Water:  | 10                          | 15                          | 6                           | 13                          | 44                           | 11                            | 13                            | 52                           |
| 4.   | Copy of Bill:   | 77                          | 63                          | 22                          | 42                          | 204                          | 42                            | 55                            | 219                          |
| 5.   | Billing Dispute:  | 48                          | 47                          | 61                          | 46                          | 202                          | 51                            | 45                            | 178                          |
| 6.   | Billing Dispute follow up:                              | 0                           | 0                           | 0                           | 0                           | 0                            | 0                             | 1                             | 2                            |
| 7.   | General Questions & Other:                              | 35                          | 22                          | 15                          | 22                          | 94                           | 20                            | 25                            | 99                           |
| 8.   | Report a water leak:                                    | 0                           | 0                           | 0                           | 2                           | 2                            | 1                             | 0                             | 1                            |
| 9.   | Report water theft:                                     | 0                           | 0                           | 0                           | 0                           | 0                            | 0                             | 0                             | 0                            |
| 10.  | Payment Arrangement:                                    | 17                          | 10                          | 10                          | 6                           | 43                           | 9                             | 12                            | 46                           |
| <b>C. Upper Tumon Satellite Office – Upper Tumon</b> |   |                             |                             |                             |                             |                              |                               |                               |                              |
| i.   | Total Customers Assisted:                               | 238                         | 219                         | 207                         | 232                         | 896                          | 219                           | 231                           | 924                          |
| ii.  | Total Abandoned Requests:                               | 7                           | 1                           | 6                           | 4                           | 18                           | 4                             | 8                             | 33                           |
| iii.   | Average Wait Time:                                      | 6 minutes                   | 2 minutes                   | 2 minutes                   | 4 minutes                   |                              | 3.5 minutes                   | 5.75 minutes                  |                              |
| iv.  | Average Service Time:                                   | 15 minutes                  | 11 minutes                  | 11 minutes                  | 13 minutes                  |                              | 12.5 minutes                  | 13.75 minutes                 |                              |
| v.   | Purpose of lobby visit:                                 |                             |                             |                             |                             |                              |                               |                               |                              |
| 1.   | Apply for water:  | 69                          | 61                          | 48                          | 69                          | 247                          | 59                            | 66                            | 263                          |
| 2.   | Restore water cut for non payment:                      | 36                          | 23                          | 26                          | 16                          | 101                          | 22                            | 15                            | 61                           |
| 3.   | Terminate Water:  | 27                          | 16                          | 14                          | 18                          | 75                           | 16                            | 28                            | 112                          |
| 4.   | Copy of Bill:   | 68                          | 45                          | 33                          | 23                          | 169                          | 34                            | 54                            | 217                          |
| 5.   | Billing Dispute:  | 63                          | 57                          | 65                          | 43                          | 228                          | 55                            | 71                            | 285                          |
| 6.   | Billing Dispute follow up:                              | 0                           | 1                           | 0                           | 2                           | 3                            | 1                             | 1                             | 4                            |
| 7.   | General Questions & Other:                              | 61                          | 35                          | 40                          | 64                          | 200                          | 46                            | 54                            | 217                          |
| 8.   | Report a water leak:                                    | 2                           | 1                           | 1                           | 1                           | 5                            | 1                             | 1                             | 3                            |
| 9.   | Report water theft:                                     | 0                           | 0                           | 0                           | 0                           | 0                            | 0                             | 0                             | 0                            |
| 10.  | Payment Arrangement:                                    | 12                          | 27                          | 32                          | 29                          | 100                          | 29                            | 23                            | 93                           |

**GWA Utility Services Division**  
**Monthly Status Report**  
**Month ending APR 2024**

| FY2024<br>UTILITY SERVICES DIVISION ACTIVITIES | WEEK<br>ENDING: | WEEK<br>ENDING: | WEEK<br>ENDING: | WEEK<br>ENDING: | APR 2024<br>MONTHLY | WEEKLY<br>AVERAGE | PREVIOUS MONTH                |                              |
|--|-----------------|-----------------|-----------------|-----------------|---------------------|-------------------|-------------------------------|------------------------------|
|  | 04/06/24        | 04/13/24        | 04/20/24        | 04/27/24        | TOTAL               | APR 2024          | WEEKLY<br>AVERAGE<br>MAR 2024 | MAR 2024<br>MONTHLY<br>TOTAL |

**Customer Service Activities (Electronic):**

|   |     |     |     |     |     |     |     |     |
|---|-----|-----|-----|-----|-----|-----|-----|-----|
| i. Emails Recieved:                                     |     |     |     |     |     |     |     |     |
| 1. customers@guamwaterworks.org:                        | 96  | 116 | 147 | 148 | 507 | 137 | 126 | 503 |
| Request type (email):                                   |     |     |     |     |     |     |     |     |
| a. Apply for water:                                     | 24  | 22  | 37  | 33  | 116 | 31  | 13  | 51  |
| b. Terminate Water:                                     | 5   | 10  | 10  | 6   | 31  | 9   | 3   | 10  |
| c. Copy of Bill:  | 0   | 6   | 4   | 4   | 14  | 5   | 0   | 0   |
| d. Billing Dispute & follow up:                         | 13  | 10  | 9   | 5   | 37  | 8   | 1   | 2   |
| e. General Questions & Other:                           | 33  | 44  | 70  | 83  | 230 | 66  | 104 | 415 |
| f. Report a water leak:                                 | 3   | 8   | 6   | 3   | 20  | 6   | 3   | 12  |
| g. Report water theft:                                  | 0   | 1   | 1   | 1   | 3   | 1   | 0   | 0   |
| h. Online services inquiry:                             | 13  | 11  | 8   | 12  | 44  | 10  | 3   | 13  |
| 2. gwaservesme@guamwaterworks.org (realtors/prop mgrs): | 5   | 4   | 2   | 1   | 12  | 2   | 0   | 0   |
| ii. Emails Replied (both):                              | 130 | 164 | 138 | 122 | 554 | 141 | 131 | 525 |
| iii. Online Portal:                                     |     |     |     |     |     |     |     |     |
| Request type (online portal):                           |     |     |     |     |     |     |     |     |
| a. Start Service:                                       | 5   | 4   | 3   | 1   | 13  | 3   | 3   | 12  |
| b. Stop Service:  | 1   | 1   | 1   | 1   | 4   | 1   | 0   | 1   |
| c. Payment Plan:  | 6   | 1   | 7   | 22  | 36  | 10  | 6   | 22  |
| d. Customer Information Updates:                        | 0   | 0   | 1   | 1   | 2   | 1   | 2   | 6   |
| e. Service Investigations:                              | 1   | 1   | 3   | 2   | 7   | 2   | 0   | 1   |
| f. Account Inquiries:                                   | 6   | 6   | 3   | 4   | 19  | 4   | 5   | 19  |
| g. Technical Support:                                   | 1   | 0   | 0   | 0   | 1   | 0   | 1   | 4   |
| h. Outages & Emergencies:                               | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |

**Call Center Activities:**

|   |           |           |           |           |      |           |              |      |
|---|-----------|-----------|-----------|-----------|------|-----------|--------------|------|
| i. Calls Recieved:                        | 1612      | 1344      | 1481      | 1342      | 5779 | 1389      | 1464         | 5857 |
| ii. Calls Immediately Answered:           | 204       | 402       | 402       | 393       | 1401 | 399       | 316          | 1265 |
| iii. Calls Abandoned:                     | 96        | 83        | 99        | 71        | 349  | 84        | 85           | 340  |
| iv. Calls Handled by Voice mail:          | 1285      | 803       | 957       | 840       | 3885 | 867       | 1032         | 4129 |
| v. Average duration of call:              | 3 minutes | 3 minutes | 3 minutes | 3 minutes |      | 3 minutes | 2.75 minutes |      |
| vi. Breakdown by request type:            |           |           |           |           |      |           |              |      |
| 1. Apply/Terminate info:                  | 12        | 9         | 27        | 50        | 98   | 29        | 11           | 42   |
| 2. Automated Telephone Call:              | 6         | 22        | 61        | 59        | 148  | 47        | 27           | 106  |
| 3. Balance Inquiry:                       | 15        | 48        | 89        | 36        | 188  | 58        | 32           | 129  |
| 4. Call Back:                             | 42        | 52        | 128       | 52        | 274  | 77        | 46           | 182  |
| 5. Dispatch:                              | 3         | 12        | 16        | 26        | 57   | 18        | 10           | 41   |
| 6. Dispute:                               | 0         | 0         | 1         | 6         | 7    | 2         | 1            | 3    |
| 7. Follow-up:                             | 10        | 13        | 22        | 17        | 62   | 17        | 12           | 46   |
| 8. General Questions & Other:             | 6         | 64        | 71        | 77        | 218  | 71        | 29           | 114  |
| 9. Route Calls to GWA Staff:              | 8         | 23        | 24        | 23        | 78   | 23        | 24           | 95   |
| 10. No Water:                             | 2         | 5         | 9         | 10        | 26   | 8         | 3            | 10   |
| 11. Online/Phone App Help:                | 1         | 5         | 12        | 23        | 41   | 13        | 6            | 25   |
| 12. Pay by Phone:                         | 29        | 22        | 35        | 42        | 128  | 33        | 38           | 151  |
| 13. Pay Plan:                             | 10        | 17        | 37        | 49        | 113  | 34        | 24           | 97   |
| 14. Restore Non-payment:                  | 7         | 20        | 31        | 39        | 97   | 30        | 17           | 66   |
| 15. Secure/Unsecure Valve:                | 5         | 11        | 19        | 12        | 47   | 14        | 4            | 17   |
| 16. Voice Mail:                           | 134       | 52        | 125       | 39        | 350  | 72        | 143          | 571  |
| 17. Water leak:                           | 0         | 2         | 1         | 2         | 5    | 2         | 3            | 12   |
| vi. Social media responses:               |           |           |           |           |      |           |              |      |
| GWA Facebook Messenger:                   | 2         | 2         | 3         | 10        | 17   | 4         | 2            | 16   |
| GWA Facebook Responsive Rate:             | 80%       | 50%       | 33%       | 69%       | 2    | 58%       | 86%          | 3    |
| Total number of Facebook visits:          | 1000      | 1100      | 622       | 2000      | 4722 | 1181      | 2108         | 8025 |
| Total number of Instagram profile visits: | 31        | 45        | 32        | 202       | 310  | 78        | 79           | 322  |

**Bill Dispute & Resolution Activities:**

|  |     |     |     |     |    |     |     |    |
|--|-----|-----|-----|-----|----|-----|-----|----|
| i. Dispute Resolution:                       |     |     |     |     |    |     |     |    |
| 1. Number of disputed accounts resolved:     | 19  | 3   | 0   | 1   | 23 | 1   | 13  | 43 |
| 2. Number of disputed accounts under review: | 836 | 842 | 844 | 848 |    | 846 | 842 |    |

**Data Entry of Completed Field work in CIS:**

|  |   |   |    |   |    |   |   |    |
|--|---|---|----|---|----|---|---|----|
| i. Document Control:                   |   |   |    |   |    |   |   |    |
| 1. Number of field activities posted:  | 3 | 8 | 10 | 9 | 30 | 9 | 7 | 26 |
| 2. Number of field activities pending: | 0 | 0 | 0  | 0 | 0  | 0 | 0 | 0  |

**GWA Utility Services Division**  
**Monthly Status Report**  
**Month ending APR 2024**

| FY2024<br>UTILITY SERVICES DIVISION ACTIVITIES | WEEK<br>ENDING:<br>04/06/24 | WEEK<br>ENDING:<br>04/13/24 | WEEK<br>ENDING:<br>04/20/24 | WEEK<br>ENDING:<br>04/27/24 | APR 2024<br>MONTHLY<br>TOTAL | WEEKLY<br>AVERAGE<br>APR 2024 | PREVIOUS MONTH                |                              |
|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|------------------------------|
|  |                             |                             |                             |                             |                              |                               | WEEKLY<br>AVERAGE<br>MAR 2024 | MAR 2024<br>MONTHLY<br>TOTAL |

|   |     |     |     |     |     |     |     |     |
|---|-----|-----|-----|-----|-----|-----|-----|-----|
| <b>Field Response Activities:</b>                     |     |     |     |     |     |     |     |     |
| I. Number of field activities assigned:               | 298 | 185 | 121 | 179 | 783 | 162 | 208 | 830 |
| II. Number of field activities completed:             | 300 | 229 | 248 | 219 | 996 | 232 | 240 | 959 |
| III. Number of field activities pending field action: | 5   | 2   | 5   | 3   | 15  | 3   | 11  | 45  |

|   |        |        |        |        |       |        |        |       |
|---|--------|--------|--------|--------|-------|--------|--------|-------|
| <b>Meter Reading Activities:</b>                  |        |        |        |        |       |        |        |       |
| I. Number of meters read:                         |        |        |        |        |       |        |        |       |
| A. Electronically Read Meters:                    | 7640   | 14090  | 13963  | 5587   | 41280 | 11213  | 9694   | 38775 |
| B. Manually Read Meters:                          | 521    | 808    | 505    | 274    | 2108  | 529    | 439    | 1755  |
| i. Unread meters (Meters scheduled but not read): | 9      | 1      | 2      | 2      | 14    | 2      | 1      | 4     |
| ii. Number of data logs received:                 | 29     | 37     | 39     | 33     | 138   | 36     | 32     | 129   |
| iii. Number of data logs retrieved:               | 27     | 10     | 38     | 62     | 137   | 37     | 34     | 134   |
| iv. Number of data logs pending field action:     | 0      | 0      | 0      | 0      | 0     | 0      | 7      | 29    |
| v. Communication Errors/Reprogramming requests:   | 4      | 2      | 3      | 4      | 13    | 3      | 3      | 10    |
| vi. Number of estimated readings (for the week):  | 6      | 4      | 5      | 2      | 17    | 4      | 2      | 9     |
| vii. Reasons for Estimations:                     |        |        |        |        |       |        |        |       |
| 1. Cant locate meter:                             | 0      | 0      | 0      | 0      | 0     | 0      | 0      | 1     |
| 2. Temporary Obstruction:                         | 2      | 0      | 0      | 0      | 2     | 0      | 0      | 0     |
| 3. Vicious Dog:                                   | 0      | 1      | 0      | 0      | 1     | 0      | 0      | 0     |
| 4. Flooded meter:                                 | 0      | 0      | 0      | 0      | 0     | 0      | 0      | 0     |
| 5. Corrective action to database requested:       | 2      | 3      | 4      | 2      | 11    | 3      | 2      | 7     |
| 6. Possible changed out meter:                    | 2      | 0      | 1      | 0      | 3     | 0      | 0      | 1     |
| 7. Communication/Programming error (code 92's):   | 0      | 0      | 0      | 0      | 0     | 0      | 0      | 0     |
| 8. Other:   | 0      | 0      | 0      | 0      | 0     | 0      | 0      | 0     |
| a. Leaks detected on customer's private line:     | 944    | 1876   | 1907   | 639    | 5366  | 1474   | 1212   | 4847  |
| b. Reverse Flow Detected:                         | 51     | 309    | 200    | 53     | 613   | 187    | 207    | 829   |
| c. No Usage Detected:                             | 321    | 493    | 517    | 282    | 1613  | 431    | 374    | 1495  |
| d. Tamper Code:                                   | 11     | 8      | 11     | 17     | 47    | 12     | 10     | 41    |
| C. Electronic Read Percentage:                    | 93.62% | 94.58% | 96.51% | 95.33% |       | 95.47% | 95.50% |       |

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| <b>Illegal Connection &amp; Unauthorized Use of Water Activities:</b> |   |   |   |   |   |   |   |   |
| I. Number of Inactive Still Consuming Reports rec'd & investigated:   | 1 | 2 | 1 | 0 | 4 | 1 | 1 | 2 |
| II. Number of Illegal Connection reports rec'd & investigated:        | 0 | 3 | 1 | 5 | 9 | 3 | 1 | 2 |

Process for notifying customers with leak alert or high consumption:

-->If a customer registers 24 hours of continuous water usage within 7 days or their meter read then a leak alert is generated.

-->If a customer has a 50% increase in water usage compared to the previous months total volume of water consumed then a high consumption alert is generated.

If an alert is generated for a customer then an SMS, E-mail and automated phone call is sent to customers with valid mobile, land line number and E-mail address.

If the customer does not have a valid mobile, land line number or E-mail address then a letter is generated and sent to the billing address.

|   |      |      |      |      |       |      |      |       |
|---|------|------|------|------|-------|------|------|-------|
| <b>Customer Leaks and High Usage Alert Notifications:</b> |      |      |      |      |       |      |      |       |
| High Use Alert Only Total:                                | 322  | 633  | 1000 | 754  | 3672  | 734  | 1413 | 5652  |
| SMS   | 67   | 147  | 232  | 181  | 627   | 157  | 176  | 703   |
| EMAIL   | 68   | 131  | 197  | 159  | 764   | 153  | 161  | 643   |
| DIALER  | 93   | 175  | 284  | 207  | 759   | 190  | 212  | 849   |
| LETTER  | 94   | 180  | 287  | 207  | 768   | 192  | 214  | 854   |
| Leak Alerts Only Total:                                   | 1198 | 3007 | 5582 | 2311 | 12098 | 2725 | 2885 | 11539 |
| SMS   | 362  | 950  | 1791 | 720  | 3823  | 956  | 912  | 3647  |
| EMAIL   | 358  | 874  | 1604 | 685  | 3521  | 880  | 842  | 3367  |
| DIALER  | 471  | 1177 | 2175 | 901  | 4724  | 1181 | 1126 | 4504  |
| LETTER  | 7    | 6    | 12   | 5    | 30    | 8    | 5    | 21    |
| Leak & High Use Alerts Only Total:                        | 201  | 469  | 584  | 401  | 1655  | 364  | 468  | 1872  |
| SMS   | 47   | 108  | 134  | 89   | 378   | 95   | 108  | 432   |
| EMAIL   | 40   | 104  | 124  | 93   | 361   | 90   | 97   | 389   |
| DIALER  | 57   | 128  | 163  | 109  | 457   | 114  | 131  | 523   |
| LETTER  | 57   | 129  | 163  | 110  | 459   | 115  | 132  | 528   |



**Engineering Monthly Report  
May 2024**

Prepared by:

Jeanet Babauta Owens, P.E.  
Assistant General Manager of Engineering

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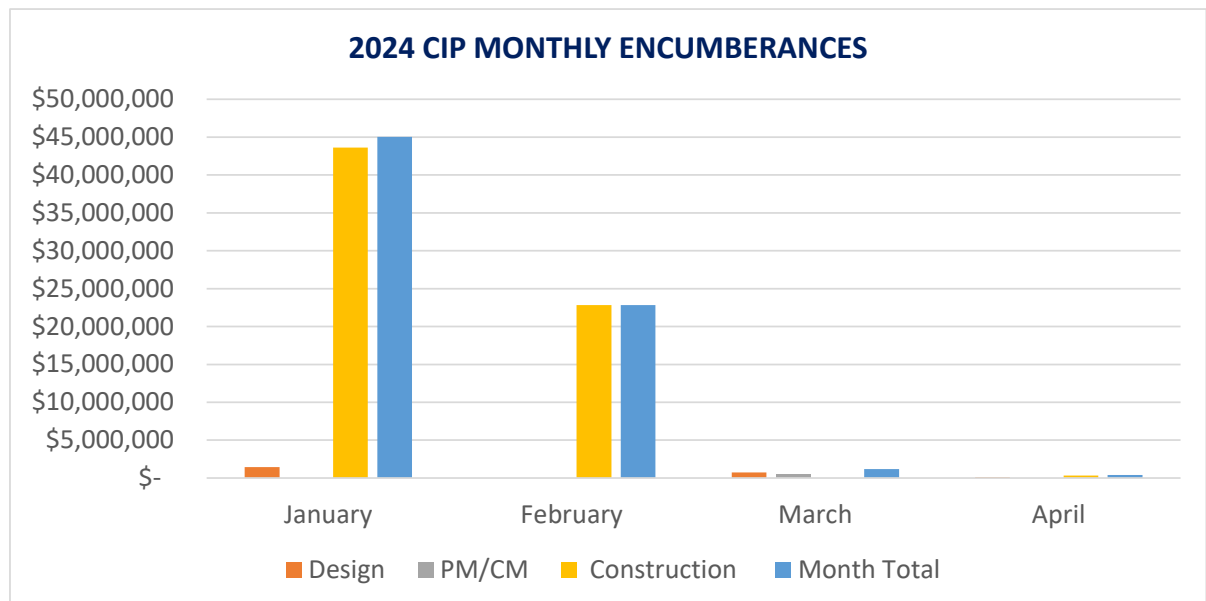
|           |  |           |
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This Engineering Report summarizes activities for the month of April 2024.

## A. CIP Encumbrances

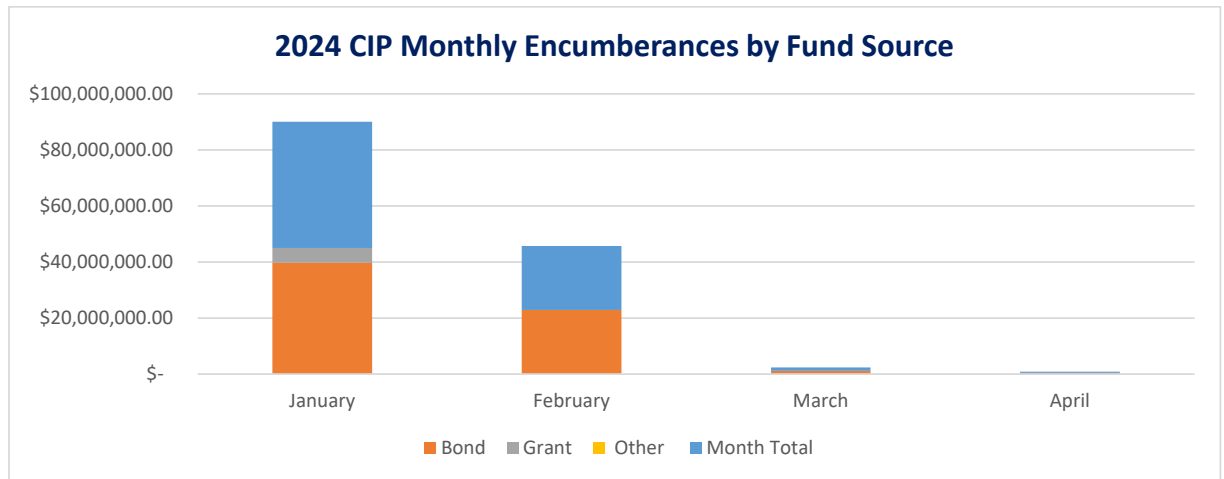
### 2024 CAPITAL IMPROVEMENT PROJECT MONTHLY ENCUMBERANCES

| Month       | Design       | PM/CM      | Construction  | Month Total   |
|-------------|--------------|------------|---------------|---------------|
| January     | \$ 1,425,903 | \$ -       | \$ 43,618,332 | \$ 45,044,235 |
| February    | \$ -         | \$ -       | \$ 22,834,768 | \$ 22,834,768 |
| March       | \$ 750,000   | \$ 439,711 | \$ -          | \$ 1,189,711  |
| April       | \$ 87,679    | \$ -       | \$ 331,078    | \$ 418,757    |
| GRAND TOTAL |              |            |               | \$ 69,487,472 |



### 2024 CIP MONTHLY ENCUMBERANCES BY FUND SOURCE

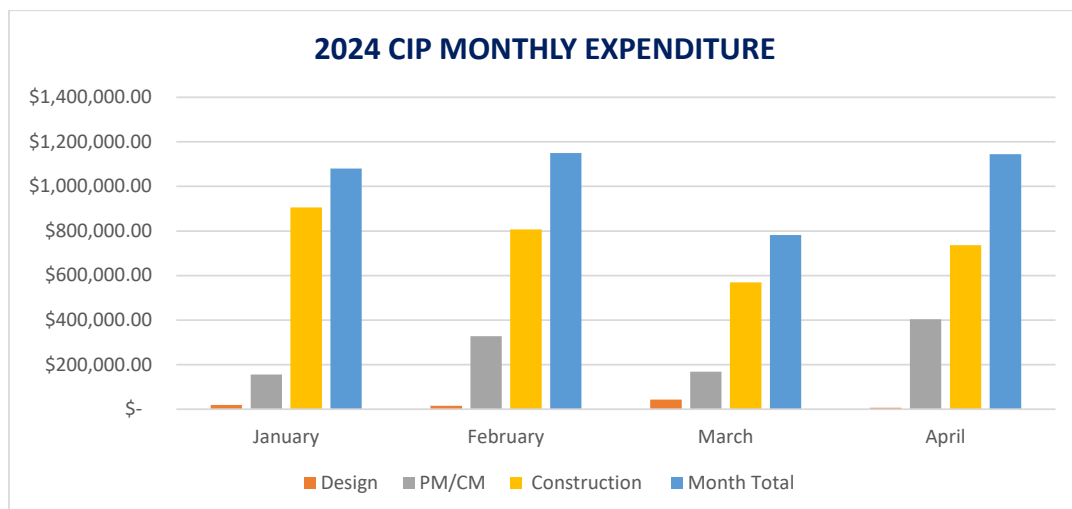
| Month    | Bond            | Grant          | Other | Month Total      |
|----------|-----------------|----------------|-------|------------------|
| January  | \$39,771,282.00 | \$5,272,953.37 | \$ -  | \$ 45,044,235.37 |
| February | \$22,834,768.00 | \$ -           | \$ -  | \$ 22,834,768.00 |
| March    | \$ 1,189,711.10 | \$ -           | \$ -  | \$ 1,189,711.10  |
| April    | \$ 409,418.68   | \$ 9,338.43    | \$ -  | \$ 418,757.11    |



## B. CIP Expenditure (Grants, Grants/IFCIP)

### 2024 CIP MONTHLY EXPENDITURE

| Month              | Design              | PM/CM                  | Construction           | Month Total            |
|--------------------|---------------------|------------------------|------------------------|------------------------|
| January            | \$ 18,754.06        | \$ 155,594.50          | \$ 905,842.70          | \$ 1,080,191.26        |
| February           | \$ 15,707.56        | \$ 327,408.78          | \$ 806,954.87          | \$ 1,150,071.21        |
| March              | \$ 42,821.70        | \$ 168,792.94          | \$ 569,792.63          | \$ 781,407.27          |
| April              | \$ 6,162.88         | \$ 403,088.34          | \$ 735,743.92          | \$ 1,144,995.14        |
| <b>GRAND TOTAL</b> | <b>\$ 83,446.20</b> | <b>\$ 1,054,884.56</b> | <b>\$ 3,018,334.12</b> | <b>\$ 4,156,664.88</b> |





### C. Water Capital Improvement Projects (CIP)

## I. Court Order Projects Summary

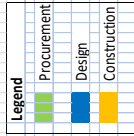
- 1) There are three (3) new concrete reservoir tanks (Tamuning, Manneagon and Ugum) that must be constructed by December 2025. The Construction Notice to Proceed for the Tamuning and Manneagon concrete reservoir projects were issued in January 2024 and construction is in progress. The critical issue is the delay in the construction of the Ugum concrete reservoir project. The Construction Notice to Proceed for Ugum concrete reservoir project was issued in February 2024 and the construction is delayed pending Department of Land Management's (DLM) permit clearance. As of May 14, 2024, DLM resolution is pending review by the Attorney General's office.
- 2) There are a total of 9 more steel tanks that need to be rehabilitated by December 2025. There are five (5) steel tanks (Kiaser, Astumbo No.2, Upper Nimitz, Lower Nimitz and Pigua) currently in construction anticipated to be completed by December 2024 and four (4) remaining steel tanks (Sinifa, Santa Rosa, Malojloj, and Umatac ) to begin rehabilitation by the end of 2024 with anticipated completion by November 2025.
- 3) There are twelve (12) new concrete reservoirs that have been completed to date and seven (7) steel reservoirs completed to date.

| Concrete Reservoirs     | 7 Steel Reservoirs   |
|-------------------------|----------------------|
| Barrigada No. 1 & 2     | Agat-Umatat          |
| Chaot No. 1 and 2       | Windward Hills No. 1 |
| Agana Heights No. 1     | Mangilao No. 1       |
| Tumon No. 1             | Astumbo No. 1        |
| Barrigada Heights No. 1 | Astumbo No. 2        |
| Yigo No. 1 and 2        | Yigo No. 2           |
| Mangilao No. 1 and 2    | Santa Ana No. 2      |

[illegible]

# WATER CIP CONSTRUCTION

|                        |  |           |                     |  | 2023 & Prior Years |    |    |    |    |    |    |    |    |    |    |    | 2024 |    |    |    | 2025 |    |    |    | 2026 |    |    |    | 2027 |  |  |  | 2028 |  |  |  |
|------------------------|--|-----------|---------------------|--|--------------------|----|----|----|----|----|----|----|----|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|--|--|--|------|--|--|--|
| Project No.            | Project Name   | Start     | Expected Completion | Project Status   | Q1                 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1   | Q2 | Q3 | Q4 | Q1   | Q2 | Q3 | Q4 | Q1   | Q2 | Q3 | Q4 |      |  |  |  |      |  |  |  |
| Water CIP Construction |  |           |                     |  |                    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |  |  |  |      |  |  |  |
| IFB-01-ENG-2023        | Tanuning, Manenggon*                                 | 1/22/2024 | 6/2025              | Contractor Site preparation is on-going at both sites.   |                    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |  |  |  |      |  |  |  |
| IFB-02-ENG-2019        | Pressure Zone Realignment Phase 1                    | 4/2/2020  | 6/2024              | 95% complete, pending change to replace valve covers   |                    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |  |  |  |      |  |  |  |
| IFB-02-ENG-2019        | Pressure Zone Realignment Phase 2                    | 7/1/2024  | 6/2026              | In Procurement   |                    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |  |  |  |      |  |  |  |
| IFB-03-ENG-2019        | Fire Hydrant Replacement Phase 1                     | 9/30/2019 | 2/17/2024           | Final inspection, CO#6 in process for 4 additional hydrants to be completed by June 2024   |                    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |  |  |  |      |  |  |  |
| IFB-06-ENG-2023        | Ugum Reservoir No.2                                  | 2/3/2024  | 7/2025              | Construction Permit submitted to DLM on 2/26/2024 and delayed pending DLM approval   |                    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |  |  |  |      |  |  |  |
|                        | Tank Repair/Bypass                                   |           |                     |  |                    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |  |  |  |      |  |  |  |
|                        | Kaiser   | 10/1/2023 | 11/2024             | Initial structural repairs completed; Sand blasting for coating and minor repairs. Target for completion in November 2024  |                    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |  |  |  |      |  |  |  |
|                        | Astumbo No.2   | 11/1/2022 | 11/2024             | Sand blasting completed, coating and painting on-going. Target completion on November 2024   |                    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |  |  |  |      |  |  |  |
| IFB-06-ENG-2019        | Upper (10,000 gallon) and Lower Nimitz (5000 gallon) | 12/1/2023 | 12/2024             | Foundation prep for lower Nimitz tank; fabricated tank ready to be installed with target completion by Aug 2024. Then, Upper Nimitz will start as soon as Lower Nimitz is completed. |                    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |  |  |  |      |  |  |  |
|                        | Pigua  | 8/1/2023  | 12/2024             | Sand blasting completed but structural cracks were identified. AIC is providing an estimate on the structural work needed.   |                    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |  |  |  |      |  |  |  |
|                        | Malolojo   | 12/2024   | 12/2025             | Upon the completion of Pigua tank repairs. Malolojo tank inspections, condition assessment and repairs are schedule to commence in late December 2024.                               |                    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |  |  |  |      |  |  |  |
|                        | Ugum Water Treatment Plant                           | 2/5/2024  | 12/2025             | Permit Phase   |                    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |  |  |  |      |  |  |  |
| IFB-05-ENG-2023        | Santa Rosa Concrete Tank (1 MG) & New Santa Rosa BPS | 9/30/2019 | 7/2024              | Santa Rosa Concrete Tank completed and BPS Electrical Controls and Transformer in  |                    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |  |  |  |      |  |  |  |
| IFB-01-ENG-2019        | Santa Rosa Steel Tank Repair                         | 5/1/2024  | 8/2025              | Notice to Proceed issued on May 1, 2024 and completed when August 2025.  |                    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |  |  |  |      |  |  |  |
| IFB-01-ENG-2019        | Sinifa Steel Tank Repair                             | 7/1/2024  | 8/2025              | Negotiating Change order that replaces the Santa Rita Tank concrete tank   |                    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |  |  |  |      |  |  |  |
| Planning Procurement   | Deep Well A-23 & A-25 GAC Filter                     | 8/1/2024  | 12/2028             | Bid package preparation in progress and anticipated to be completed in June 2024.  |                    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |  |  |  |      |  |  |  |



## D. Wastewater Capital Improvement Projects (CIP)

### I. Consent Decree Projects Summary

- 1) There are four (4) Capacity Assurance Projects in planning:
  - a) Route 12 at Route 2 in Agat (approximately 1 mile)
  - b) Barrigada Pump station sewer lines along Route 10 (approximately 1 mile)
  - c) Route 1 Dededo (approximately 4 miles)
  - d) Route 4 Merizo (approximately 3 miles)

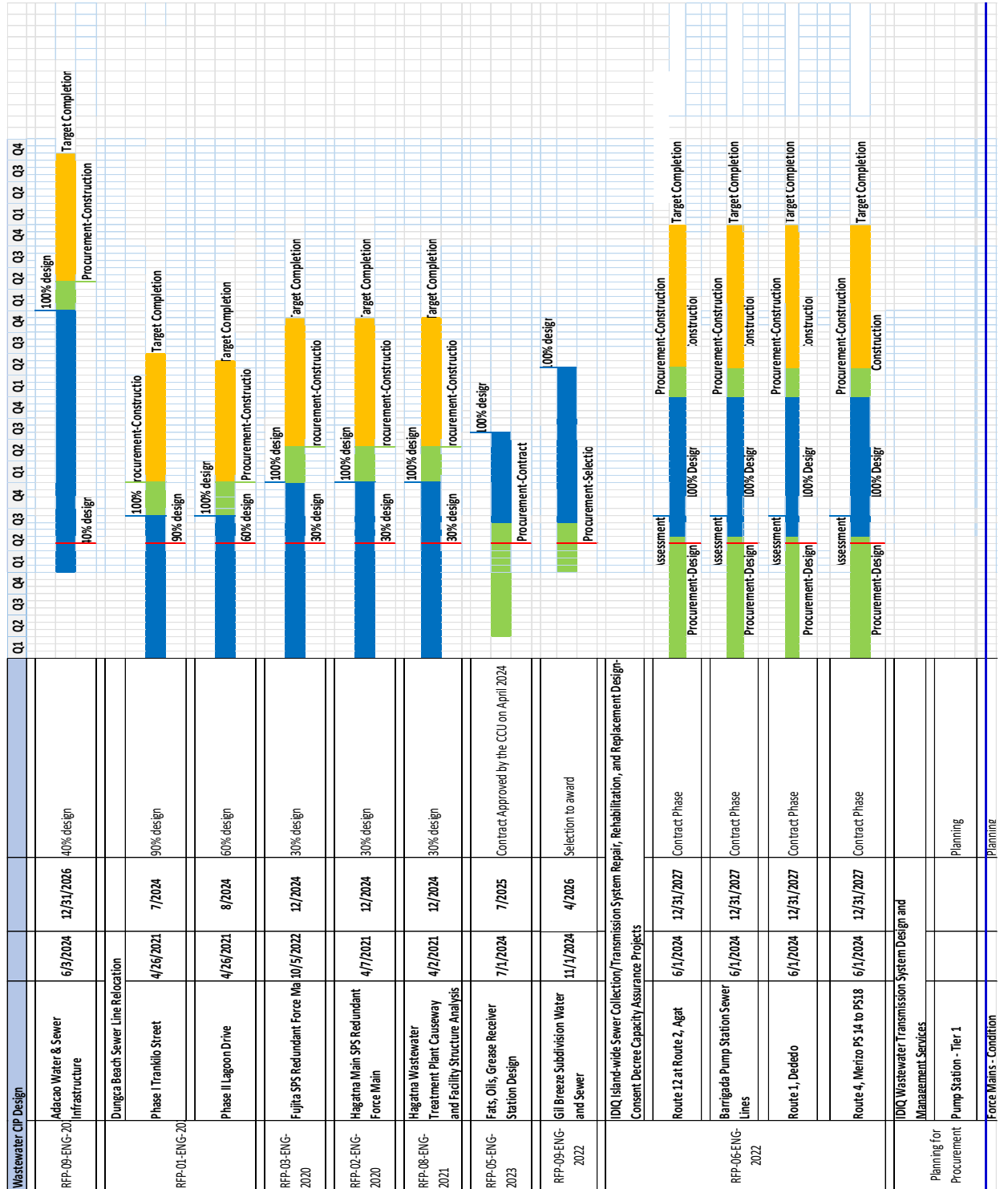
It is anticipated that the award of the task orders for the design and Construction management work will be presented to the CCU in Summer 2024 timeframe.

- 2) Engineering is awaiting Operations to complete the CCTV assessment of the gravity lines to determine which existing gravity lines are rated as acute defects. It is a compliance requirement that the repair of the acute defects must be completed within 18 months of the effective date if work is performed by GWA Operations or within 24 months of the effective date of the partial consent decree, if the work will be contracted to a third-party contractor.
- 3) There are four (4) Tier 1 pump stations out of 23 pump stations that are currently in design. IDIQ Design and CM RFP for the Sewage Pump Station & Forcemain Assessment and Rehabilitation is in process to be released for advertisement in Summer 2024 timeframe.
- 4) As of the date of this report, the partial consent decree is still in process and no effective date has been determined yet.

### Wastewater CIP Construction

|                             |   |           |                     |  | 2023 & Prior Years |    |    |    | 2024                  |    |    |    | 2025              |    |    |    | 2026 |    |    |    |
|-----------------------------|---|-----------|---------------------|--|--------------------|----|----|----|-----------------------|----|----|----|-------------------|----|----|----|------|----|----|----|
| Project No.                 | Project Name  | Start     | Expected Completion | Milestone                                | Q1                 | Q2 | Q3 | Q4 | Q1                    | Q2 | Q3 | Q4 | Q1                | Q2 | Q3 | Q4 | Q1   | Q2 | Q3 | Q4 |
| Wastewater CIP Construction |   |           |                     |  |                    |    |    |    |                       |    |    |    |                   |    |    |    |      |    |    |    |
| IFB-07-ENG-2023             | Aplacho Drainage and Roadway Improvements             | 6/3/2024  | 6/2/2025            | Contract phase                           |                    |    |    |    | Procurement-Construct |    |    |    | Target Completion |    |    |    |      |    |    |    |
|                             |   |           |                     |  |                    |    |    |    |                       |    |    |    |                   |    |    |    |      |    |    |    |
| IFB-01-ENG-2021             | Yigo SPS Flood Mitigation and Facility Rehabilitation | 4/26/2021 | 7/28/2024           | SCADA implementation and punchlist items |                    |    |    |    | Target Completion     |    |    |    | SCADA installatio |    |    |    |      |    |    |    |
|                             |   |           |                     |  |                    |    |    |    |                       |    |    |    |                   |    |    |    |      |    |    |    |

# WASTEWATER CIP CONSTRUCTION



## E. Permits

The Completed Permits table below lists the number of work orders completed by Permits inspectors/engineers for customer requests related to certain permits or utility services. It also summarizes the total work orders completed 'year to date' up to December. The table is updated in this Monthly Engineering Report for April 2024.

| COMPLETED PERMITS          |        |        |        |        |        |        |        |        |        |        |        |        | Year to date total |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|
|                            | Jan-24 | Feb-24 | Mar-24 | Apr-24 | May-24 | Jun-24 | Jul-24 | Aug-24 | Sep-24 | Oct-24 | Nov-24 | Dec-24 |                    |
| Building Permit            | 30     | 12     | 12     | 16     |        |        |        |        |        |        |        |        | 70                 |
| Occupancy Permit           | 6      | 26     | 9      | 9      |        |        |        |        |        |        |        |        | 50                 |
| New Installation           | 27     | 24     | 23     | 24     |        |        |        |        |        |        |        |        | 98                 |
| Sewer Application          | 2      | 3      | 3      | 3      |        |        |        |        |        |        |        |        | 11                 |
| Sewer Inspection           | 2      | 3      | 2      | 3      |        |        |        |        |        |        |        |        | 10                 |
| Private Utility Acceptance | 0      | 0      | 0      | 0      |        |        |        |        |        |        |        |        | 0                  |
| Relocation of Water Meter  | 3      | 5      | 3      | 1      |        |        |        |        |        |        |        |        | 12                 |
| Tapping-Water              | 5      | 3      | 3      | 2      |        |        |        |        |        |        |        |        | 13                 |
| Tapping-Sewer              | 2      | 4      | 0      | 2      |        |        |        |        |        |        |        |        | 8                  |
| Clearance-Water            | 14     | 10     | 14     | 7      |        |        |        |        |        |        |        |        | 45                 |
| Clearance-Sewer            | 13     | 8      | 2      | 4      |        |        |        |        |        |        |        |        | 27                 |
| Highway Encroachment       | 12     | 2      | 17     | 16     |        |        |        |        |        |        |        |        | 47                 |
| Verification of Utilities  | 11     | 9      | 10     | 13     |        |        |        |        |        |        |        |        | 43                 |
| Fire Flow Test             | 16     | 3      | 6      | 0      |        |        |        |        |        |        |        |        | 25                 |
| Schedule Water Outage      | 2      | 1      | 1      | 1      |        |        |        |        |        |        |        |        | 5                  |
| GPA Utility Clearances     | 12     | 3      | 5      | 17     |        |        |        |        |        |        |        |        | 37                 |
| GTA Utility Clearances     | 12     | 16     | 6      | 22     |        |        |        |        |        |        |        |        | 56                 |

### AVERAGE PROCESSING TIME FOR COMPLETIONS (DAYS) FOR APRIL 2024

The Average Processing Time for Completions (Days) for the Calendar Month table below summarizes the average time of days it took to complete each type of work order for certain permits or utility services. For example, the average processing time for Building Permits in April 2024 was 25 days. To calculate the average processing time for Building Permits in April 2024, we refer to the Completed Permits table for April 2024, where we find that there were 16 Building permits completed. Each of the 16 building permits ranged from 7 to 75 days to complete. We calculate the average by adding up the total number of days it took to complete each building permit (407 days in total) and then dividing the total by 16, resulting in an average processing time of 25 days. If the average processing time for the month greatly deviates from the previous monthly averages, an explanation is provided.

| Description                | 2024 |     |     |     |     |     |     |     |     |     |     |     |  |
|----------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|                            | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |  |
| Building Permit            | 29   | 17  | 26  | 25  |     |     |     |     |     |     |     |     |  |
| Occupancy Permit           | 0    | 0   | 0   | 0   |     |     |     |     |     |     |     |     |  |
| New Installation           | 163  | 80  | 98  | 58  |     |     |     |     |     |     |     |     |  |
| Sewer Application          | 0    | 0   | 0   | 0   |     |     |     |     |     |     |     |     |  |
| Sewer Inspection           | 0    | 0   | 0   | 0   |     |     |     |     |     |     |     |     |  |
| Private Utility Acceptance | 0    | 0   | 0   | 0   |     |     |     |     |     |     |     |     |  |
| Relocation of Water Meter  | 30   | 30  | 14  | 14  |     |     |     |     |     |     |     |     |  |
| Tapping-Water              | 0    | 0   | 0   | 0   |     |     |     |     |     |     |     |     |  |
| Tapping-Sewer              | 0    | 0   | 0   | 0   |     |     |     |     |     |     |     |     |  |
| Clearance-Water            | 0    | 0   | 6   | 0   |     |     |     |     |     |     |     |     |  |
| Clearance-Sewer            | 0    | 0   | 0   | 0   |     |     |     |     |     |     |     |     |  |
| Highway Encroachment       | 0    | 0   | 0   | 0   |     |     |     |     |     |     |     |     |  |
| Verification of Utilities  | 25   | 17  | 17  | 15  |     |     |     |     |     |     |     |     |  |
| Fire Flow Test             | 0    | 0   | 1   | 0   |     |     |     |     |     |     |     |     |  |
| Schedule Water Outage      | 0    | 0   | 0   | 0   |     |     |     |     |     |     |     |     |  |

## F. 2024 Application Review Committee (ARC)

The Application Review Committee (ARC) in Guam serves a critical function for the Guam Land Use Commission. The ARC helps maintain organized, lawful development and balances growth with environmental and community needs. Its primary purpose is to evaluate and review land use and land development applications related to various governmental and regulatory matters such as:

1. **Land Use and Development**: Ensuring compliance with regulations and sustainable growth.
2. **Environmental Impact**: Assessing projects for environmental protection.
3. **Business Permits**: Reviewing business-related permits and licenses.
4. **Community Services**: Approving applications for public services like housing and healthcare.
5. **Inter-agency Coordination**: Facilitating input from relevant government agencies.

| CURRENT MONTH | NO. OF ACTIVE ARC APPLICATIONS | NO. OF ARC APPLICATIONS PROCESSED/SIGNED |
|---------------|--------------------------------|--|
| JANUARY       | 5                              | 1  |
| FEBRUARY      | 5                              | 4  |
| MARCH         | 3                              | 2  |
| APRIL         | 4                              | 4  |
|               |                                |  |
|               |                                |  |
|               |                                |  |

## G. Geographic Information System (GIS)

During the month of April 2024, the GIS Section concentrated its efforts on Sewer and Water System updates, map request, GIS assistance for Consent Decrees, Updating the GIS, GIS Help Desk assistance, request for drone photos, worked with Prius Intelli to obtain new 6-inch pixel imagery, and assisting the Guam Fire Department (GFD) with GIS installations for fire hydrants.

### Sewer System Updates

Two new sewer lines were created, which were 30 inches in diameter. This added 849 linear feet, which equates to 0.16 miles. 7 sewer lines were edited ranging from 8, 30, and 36 inches, for a total of 2,163 linear feet which equates to 0.41 miles.

### Water System Updates

2 new water lines were created ranging from 2 and 6 inches. This added 910 linear feet, which equates to 0.17 miles. 31 water lines were edited, ranging from 2, 6, 8, 12, and 14 inches in diameter, for a total of 20,367 linear feet which equates to 3.9 miles.

### Map Requests

The GIS Section receives request for maps in various forms. The Engineering sections request maps for field work and for customers. The AGMO and Compliance offices requested maps during this period. The Sewer Section of Engineering needed maps plotted and PDF maps combined.

- a. Grid maps for gravity sewer lines were created.
- b. Grid maps for the 2024 Sanitary Survey of the Water System were requested by Guam EPA.
- c. Basic maps for customers.

#### **GIS Assistance for Consent Decrees**

The two Consent Decree projects needing GIS help was the Sewer Force Main rating and Inspection, and the proper updating of the Sewer Gravity Mains.

- The GIS Section updated the gravity lines from Lea Brantly's spread sheet.
- Grid maps are being produced for the Compliance Section.
- Furnishing the coordinates (X,Y) for all Sewer Pump Stations for the Wastewater Section.
- The mapping of NASSCO # 5 Rated sewer lines.

#### **Updating the GIS**

In March the Water and Sewer geodatabases were updated and uploaded to the GWA Portal.

#### **GIS Help Desk Assistance**

The GIS Section is constantly sought after to answer simple and challenging questions about the usage of the GIS. We are more than willing to assist. Below were the sections that were helped:

- a. Electrical
- b. Permits
- c. Waste Water
- d. Water
- e. Planning
- f. GWA Dispatch

#### **Request for drone photos**

Roque tried to conduct drone photography for the Agana Heights Water Tank, but his drone was taken away by strong winds and was damaged.

#### **Working Prius Intelli to obtain new 6-inch pixel imagery.**

The GIS Section is working with Paul Vignati, Prius Intelli, to obtain new imagery at a 6-inch pixel resolution. The last imagery with 6-inch pixel resolution for GIS was in 2012, which we still use to this day.

We have acquired a firm commitment from GPA to help pay for this project.

The next step in the process is to go through an Invitation For Bid (IFB).

#### **Guam Fire Department GIS Installation for Fire Hydrant**

## History

Back in 2010 the Governor of Guam, then Felix Camacho, saw a GIS demonstration at the annual Governors Conference in Washington D.C. He was so impressed that he funded the licensing for the whole Government of Guam to have GIS software. The Government of Guam entered into an Enterprise License Agreement (ELA) with the Environmental Systems Research Institute (ESRI) for three years at \$100,000 per year. This license has been renewed every three years since.

To help train and install the GIS software government wide, the GWA GIS Manager (Rodney Toves) was listed as one of the Tier 1 support personnel for the license. Along with helping other Government Agencies, GWA and GPA would be using the bulk of the licenses. After the first ELA expired, GPA decided to purchase their own ELA.

All GIS software installed in GWA after 2010 is from the Government of Guam ELA.

In 2018 GFD asked to have the GIS software installed and requested a copy of the fire hydrants in the GWA GIS. GWA's GIS Section assisted. Now in 2024, GFD replaced all their old computers with new ones, so we are assisting with the re-installation and training of GFD personnel, as part of the Government of Guam's ELA Tier 1 support.

## H. Land Management

| GWA Facility | Location       | Gov. or Private Property | Land Acquisition Status   |
|--------------|----------------|--------------------------|---|
| Tanks        | Astumbo-L10164 | Gov't. - CLTC            | Petition of Land Registration package forwarded to Attorney General by DLM 11/04/19. AG pending court filing 06/30/2021 – Follow up status sent to DLM 10/06/2021; 11/03/2021; 01/27/2022; 03/04/2022; 05/12/2022; 07/07/2022; 09/12/2022; 12/27/2022; DLM response 07/11/2023 have not been able to meet with Assignment AG for LR proceedings. Land Agent has followed up and emailed multiple times with Margarita at DLM on meeting with DLM attorney on status of Land Registration proceedings 10/02/2023. This process is crucial for GWA to acquire property for GWA reservoir. 02/01/2024: Follow up sent to Margarita at DLM; 02/09/2024: Response from Margarita at DLM- Because it has almost been 4 years since we requested the assistance of the AG to initiate the Land Registration, I would recommend that a formal letter from GWA requesting the urgency of the registration and indicate the reasoning behind it. This would support our request for immediate processing with the AG. |
|              | Piti-L259      | Private/Federal          | Received final comments from DoAg. Waiting on the archaeological report before we can submit 299 forms. Waiting for permission from NPS to access the lot and perform the Archeological survey.   |



|                      |  |                                    |  |
|----------------------|--|------------------------------------|--|
|                      | Ugum River Intake/Booster Pump Station | Private                            | When the UGUM Water treatment plant was built in 1990, no land reservations for the area by the booster pump station, the Ugum river intake and access road. Land Agent currently researching the area under Lot 292, owned by the Aguon Family. GWA would need to secure a Grant of Easement for the access road and booster pump facility along the river intake. 12/19/2023: GWA coordinating with DCA for survey services to perform a boundary retracement survey of the subject lot to establish the limits of the survey; as-built existing facilities, structures, and road, to obtain + 2,376 square meters for the parcel and create the easement for GWA reservation. 03/06/2024: DCA field survey work begins. |
| Deep Wells           | AG-12-L10154-4                         | Dept. of Agriculture/Manhita Farms | Right of Entry Agreement sent to Manhita Farms for signature 05/24/18. 2 <sup>nd</sup> follow up sent on 04/10/19; 08/03/2021. ROE Agreement information sent to GWA legal counsel for further review and processing 01/28/2022; 08/11/2023 –GM signed and submitted to DCA for final review and processing at DLM; 09/26/2023-Submitted to DCA for final map processing. 01/02/2024: sent update status email to DCA. 03/2024: Re-submitted survey map to DLM last week to change the new acting CLTC Administrative Director.  |
| Booster Pump Station | Agfayan-T3734 B19 L28                  | Private                            | TGE working on structural design for pump station area for L28, B19, T3734, Inarajan 11/07/19. Letter of Decision received by CLTC 06/09/2021. CLTC has responded for in-kind service letter 10/08/2021. 1 <sup>st</sup> appraisal report submitted to GWA 05/11/2022. 2 <sup>nd</sup> appraisal submittal to GWA 09/20/2022. Appraisal report sent to GM/legal counsel for review, approval and response 09/22/2022. Request for updated Appraisal report sent to TG Engineers for cost estimate 09/28/2023. Garrett stated updated appraisal report cost is \$2500 each. Funding needs to be requested. 10/02/2023   |
| Asan Springs         | Asan-L501                              | Federal                            | <ul style="list-style-type: none"> <li>Revised Environmental Assessment report with NPS for review. 1/25/24</li> <li>09/18/2023: The Office of Congressman Moylan has offered assistance to work with the NPS in completing the EA and Finding of No Significant Impact (FONSI) along with the Right of Way agreement to GWA, the EA is a prerequisite of the ROE agreement.</li> </ul>  |

## I. Planning & Support Services

### Planning Activities for the March 2024

1. New Grant Proposals – Planning section is drafting and preparing 2 grant proposals due in June 2024 as described below:
  - a. Office of Local Defense Community Cooperation (OLDCC) Department of Defense – Construction of Brigade II BPS
  - b. OLDCC Construction of Santa Rita Springs Rehabilitation
  - c. OLDCC Construction of Asan Springs Rehabilitation/Improvement
2. Successful Grant Application Uploads – Planning section successfully submitted the following grant applications in March 2024
  - a. USEPA Climate Pollution Reduction Grant 2024 – Guam Anaerobic Digestion Waste Initiative Project \$24M
  - b. USEPA Climate Pollution Reduction Grant 2024 – Electric Vehicle and Charging Stations Project \$2M
3. FEMA Preliminary Damage Assessments – Planning is responsible for the coordination, preparation and submission of Preliminary Damage Assessments for Typhoon Mawar
  - a. Weekly meetings with GWA Management and support staff in order to report updates, communicate challenges and coordinate the execution of work.
  - b. Documentation and FEMA claims – Planning is Project Manager for putting gathering documentation to support FEMA claims and ensuring reimbursements. Planning successfully submitted for \$1.4M claim for CAT B Emergency Protective Measures
  - c. Coordination with Asset Management team and Engineering to execute remaining repairs/damages from Mawar – funding request is pending Finance and Management approval
4. Engineering Project Management –Due to the number of CIPs and to further support the Engineering CIP. Planning is also serving as the Project Manager or Deputy Project Manager for the following design/construction projects:
  - a. Rojas Harmon Stormwater Drainage Improvements Design RFP
  - b. Aplacho Roadway and Drainage Improvements Construction – IFB
  - c. GAC Filter Construction Project

5. Department of Interior Grant Training – Planning is also assisting GWA Operations and GWA HR Training in order to execute the following grant funded training related projects
  - a. Department of Interior Maintenance Assistance Program (MAP) 2020 – lead and coordinate the training and equipment purchases for operation comprising of the following: Sewer audit and training, mobile sewer inspection equipment, GPS equipment and reference materials
  - b. Department of Interior Maintenance Assistance Program (MAP) 2022 – responsible for reporting to Grantor the execution of procuring training for Operations which consists of welding, pump and motor, electrician, and SCADA
  - c. Department of Interior Technical Assistance Program (TAP) 2023 – responsible for reporting to the grantor status of the execution of the purchase of drone and sewer equipment for Engineering and Operations
6. Administrative – Planning also provides administrative support by leading the following tasks:
  - a. Monthly Engineering Report – gathers information and prepares report for review
  - b. Engineering Project Tracking – tracks project status and updates
  - c. Engineering Project Procurement and Payments – facilitates procurement process and prepares payments to vendors
  - d. NEPA and Section 106 Consultation Letters, Maps and Pictures – prepares letters and maps to various agencies
  - e. USEPA Grant Funding Tracking and meetings – tracks USEPA grant funds and hosts meetings
  - f. Application Review Committee response letters and meetings – researches and prepares response letters for development
7. **Special Projects are assigned to the Planning Section to verify the following:**
  - a. Ordot Leachate Dye Testing -three day field testing to verify connection; pending
  - b. Pipe Locating and Ground Penetrating Radar – conducts various pipe locating missions in order to verify utility locations
  - c.
8. **Active Engineering Procurement Projects**
  - a. IFB-07-ENG-2023, Aplacho Drainage and Roadway Improvements
    - i. Fund Source: Bond 2016 WW 11-03
    - ii. Status: Awaiting Legal's disposition re Insurance.
  - b. IFB-02-ENG-2024, Pressure Zone Realignment Phase II Construction
    - i. Fund Source: USEPA Grant
    - ii. Status: Issued Addendum No. 2.
  - c. RFP-01-ENG-2022, Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and CM Services for Undersized Waterline Replacement
    - i. Fund Source: USEPA Grants, Bonds, Revenue
    - ii. Status: Pending fee negotiation.
  - d. RFP-03-ENG-2022, Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and CM Services for Waterline Replacement and Upgrades
    - i. Fund Source: USEPA Grant
    - ii. Status: Funding source to be identified for TO No. 1 prior to contractor's signature.
  - e. RFP-04-ENG-2022, Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and CM Services for Asbestos Concrete Pipes (ACP) Waterline Replacement
    - i. Fund Source: USEPA Grant
    - ii. Status: Contractor-signed Agreement and TO No. 1 forwarded by PM.
  - f. RFP-05-ENG-2022, Construction Management Services for Pressure Zone Realignment Construction Phase II
    - i. Fund Source: USEPA Grant
    - ii. Status: Status quo. Next step: NTP will be issued once construction contract is in place. IFB PZR Ph II Construction is on Solicitation and Bidding Phase (2).
  - g. RFP-06-ENG-2022, Indefinite Delivery/Indefinite Quantity (ID/IQ) Professional Project/Construction Management for Islandwide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement

- i. Fund Source: GWA Bond, USEPA Grant, SDC
  - ii. Status: Hold off in sending Phases 1-4 to the OAG per Legal.
- h. RFP-07-ENG-2022, Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and Construction Management Services for the Implementation of District Metered Areas (DMA)
  - i. Fund Source: USEPA Grant
  - ii. Status: PM is working on TO No. 1.
- i. RFP-02-ENG-2023, Indefinite Delivery/Indefinite Quantity (ID/IQ) for Water and Wastewater Hydraulic Modeling Services
  - i. Fund Source:
  - ii. Status: AGME to schedule a meeting to address comments on SOW.
- j. RFP-05-ENG-2023, Fats, Oil, and Grease Receiving Station Design Services
  - i. Fund Source: USEPA Grant
  - ii. Status: Designer sent the fee proposal on 04/08/2024 (M). Pending review by AGME and PM.
- k. RFP-07-ENG-2023, Rojas-Harmon Stormwater Drainage Improvements Design
  - i. Fund Source: USEPA Grant
  - ii. Status: Legal confirmed the transmittal of Agreement to the OAG on 04/04/2024 (Th).
- l. RFP-01-ENG-2024 Gill Breeze Subdivision Water and Wastewater Infrastructure
  - i. Fund Source: USEPA Grant
  - ii. Status: Pending completed score sheets from the selection committee.

## **J. CIP Exhibits (COVER PAGE)**

**TOTAL NO. OF CIP PROJECTS: 54**

**ALL CIP SECTIONS**

No. of Projects (All CIP Sections): **2**

There are a total of 2 CIP projects that applies to all CIP projects.

| <b>EXHIBIT NO.</b>         | <b>PROJECT TITLE</b>  | <b>STATUS</b> |
|----------------------------|---|---------------|
| <a href="#"><u>B-1</u></a> | ID/IQ – Professional Civil and Structural Design Services     | Active        |
| <a href="#"><u>B-2</u></a> | ID/IQ – Professional Project-Construction Management Services | Active        |

**WATER / WASTEWATER**

No. of Projects (Water/Wastewater): **2**

Currently, there are two water and wastewater CIP projects with one in planning and the other in 60% design phase.

| <b>EXHIBIT NO.</b>         | <b>PROJECT TITLE</b>                                  | <b>STATUS</b>       |
|----------------------------|---|---------------------|
| <a href="#"><u>B-3</u></a> | Gill Breeze Subdivision Water and Sewer Design RFP    | Procurement         |
| <a href="#"><u>B-4</u></a> | Adacao Water and Sewer Infrastructure Design Services | Design, In Progress |

**WATER**

No. of Projects: **18 projects**

There are six (6) water CIP currently in construction and the remaining projects in planning, design or procurement phases. The six (6) water CIP projects consists of multiple reservoir construction and rehabilitation, waterline replacement, and pressure zone realignment. Under the Court Order projects, there are currently four (4) active steel tank major repairs in progress with another three (3) steel tank major repair and three (3) new concrete tank construction slated to start in the coming months.

| EXHIBIT NO.                  | PROJECT TITLE  | STATUS   |
|------------------------------|--|--|
| <a href="#"><u>B-5**</u></a> | Well Abandonment   | Planning**   |
| <a href="#"><u>B-6**</u></a> | Well Rehab A-28, D-15, M-14, F-07  | Planning**   |
| <a href="#"><u>B-7</u></a>   | Central Guam Reservoirs  | <b>Construction,</b>   |
|                              |  | In Progress  |
| <a href="#"><u>B-8</u></a>   | Design and CM Services for Waterline Replacement of Various Bridges              | Assessment/Design in Progress  |
| <a href="#"><u>B-9</u></a>   | Pressure Zone Realignment  | <b>Construction,</b>   |
|                              |  | In Progress  |
| <a href="#"><u>B-10</u></a>  | Fire Hydrant Replacement Phase 1   | <b>Construction,</b>   |
|                              |  | Completed Replacement of 72 Fire Hydrant-Phase I. Will continue replacement of additional 4 more fire hydrant. |
| <a href="#"><u>B-11</u></a>  | Tai Rd./ S-13 and Canada-Toto Lp./Blas St. Waterline Replacement                 | <b>Construction,</b>   |
|                              |  | In Progress  |
| <a href="#"><u>B-12</u></a>  | Asan Springs Rehabilitation  | EA in process, Design is complete, ROW agreement being negotiated with NPS                                     |
| <a href="#"><u>B-13</u></a>  | Groundwater Wells A-02, A-07, A-12, D-05, and F-03 Rehabilitation (Re-bid No. 3) | Design completed and IFB Construction issued [insert dates] but no bids received;                              |
|                              |  |  |

|                      |  |  |
|----------------------|--|--|
|                      |  |  |
| <a href="#">B-14</a> | ID/IQ - Design and CM Asbestos Concrete Pipe for Waterline Replacement | Procurement  |
| <a href="#">B-15</a> | ID/IQ - Design and CM for Waterline Replacement and Upgrades           | Procurement  |
| <a href="#">B-16</a> | ID/IQ - Design and CM Implementation of District Meter Areas           | Procurement  |
| <a href="#">B-17</a> | ID/IQ - Design and CM Undersized Waterline Replacement                 | Procurement  |
| <a href="#">B-18</a> | Santa Rita Springs Rehabilitation                                      | Procurement  |
| <a href="#">B-19</a> | Brigade II Booster Pump Station  | Design completed   |
|                      |  | Seeking grants for additional funding                    |
| <a href="#">B-20</a> | New Well Construction (AG-10, AG-12, Y-08)                             | Design Completed   |
|                      |  | CM on hold pending funding availability for construction |
| <a href="#">B-21</a> | Northern and Southern Guam Reservoirs                                  | <b>Design/CM/Construction</b>                            |
|                      |  | In Progress  |
| <a href="#">B-22</a> | Tank Repair/Bypass   | <b>Design/CM/Construction</b>                            |
|                      |  | In Progress  |

\*\* No project worksheets.

## **WASTEWATER**

No. of Projects: **16**

There are fourteen (14) active wastewater CIPs, one (1) drainage/roadway improvement project in construction procurement and one (1) study or the Hagatna Wastewater Treatment Plant Interim Disinfection Project. Five (5) wastewater CIPs are substantially complete and in operation. Four (4) projects out of 16 wastewater CIPs will meet consent decree conditions for gravity main, force main, and sewer pump station rehabilitation/replacement.

| EXHIBIT NO.          | PROJECT TITLE   | STATUS                 |
|----------------------|---|------------------------|
| <a href="#">B-23</a> | Asan-Adelup-Hagatna Route 1 Sewer Rehabilitation and Replacement Phase II | Construction Completed |
|                      |   | Close-Out In Progress  |

|                        |  |                               |
|------------------------|--|-------------------------------|
| <a href="#">B-24</a>   | Southern SSES Sewer Rehabilitation Phase II (Baza Gardens-Santa Rita-Talofofo)   | CM/Construction Completed     |
|                        |  | Close-Out In Progress         |
| <a href="#">B-25</a>   | Talofofo Sewer Improvement   | Construction Completed        |
|                        |  | Project is closed-out         |
| <a href="#">B-26</a>   | Tamuning Hot Spots Sewer Line Rehabilitation and Replacement   | Construction Completed        |
|                        |  | Close-Out In Progress         |
| <a href="#">B-27</a>   | Bayside Sewer Pump Station Rehabilitation  | Construction Completed        |
|                        |  | Project is closed-out         |
| <a href="#">B-28</a>   | Yigo Sewer Pump Station Flood Mitigation & Facility Rehabilitation   | Construction,                 |
|                        |  | In Progress                   |
| <a href="#">B-29**</a> | Southern Drainage Sewer Line Survey will be incorporated in Route 2 Gravity Sewer Rehab  | Planning                      |
| <a href="#">B-30</a>   | Fats, Oil, Grease Receiving Station  | Procurement**                 |
| <a href="#">B-31</a>   | Tumon Hot Spots  | Design Completed**            |
| <a href="#">B-32</a>   | Dungca Beach Sewer Line Relocation   | Design, In Progress**         |
| <a href="#">B-33</a>   | Fujita Sewage Pump Station Redundant Force Main  | Design, In Progress           |
| <a href="#">B-34</a>   | Hagatna Main Sewage Pump Station Redundant Force Main  | Design, In Progress           |
| <a href="#">B-35</a>   | Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis   | Design, In Progress           |
| <a href="#">B-36</a>   | Hagatna Wastewater Treatment Plant Interim Disinfection  | Design, Close-Out In Progress |
| <a href="#">B-37</a>   | Aplacho Drainage and Roadway Improvements Construction   | Procurement                   |
| <a href="#">B-38</a>   | Indefinite Delivery-Indefinite Quantity Islandwide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement Design | Procurement                   |

\*\* No project worksheets.



**ELECTRICAL & CAPITAL IMPROVEMENTS**

No. of Projects: 14

Two (2) water projects have completed construction: Casimiru Waterline Replacement and Reifsnider Street Waterline. One (1) IDIQ task order assessment and design being processed for approval. One (1) water project, two (2) electrical projects, two (2) facility projects and three (3) SCADA projects in planning. The remaining three (3) projects are in construction phase.

| EXHIBIT NO.            | PROJECT TITLE  | STATUS  |
|------------------------|--|---|
| <a href="#">B-1</a>    | IDIQ Task Order No. 2 – Structural Assessment and Rehabilitation Design at Commercial Port and Chaot Sewer Pump Stations | Design (HDR), Process TO approval               |
| <a href="#">B-39</a>   | Casimiru Waterline Replacement   | Construction Completed                          |
| <a href="#">B-40</a>   | Reifsnider Street Waterline  | Construction Completed                          |
| <a href="#">B-41</a>   | Temporary Booster Pump Station Consolacion Street, Asan  | Construction, In Progress                       |
| <a href="#">B-42</a>   | Groundwater Production Meter Replacement   | Construction, In Progress                       |
| <a href="#">B-43</a>   | Ugum Water Treatment Plant Rehabilitation  | PM/CM, In Progress<br>Construction, In Progress |
| <a href="#">B-44</a>   | Design-Build of Pago Bay 12-inch Waterline Replacement   | Planning  |
| <a href="#">B-45</a>   | Current Balancing Unit for Deep Well A-09  | Planning  |
| <a href="#">B-46</a>   | Deep Well Power Line Conditioner Pilot Project   | Planning  |
| <a href="#">B-47</a>   | GWA Upper Tumon Warehouse Renovation   | Planning  |
| <a href="#">B48</a>    | GWA Upper Tumon Campus Improvements  | Planning  |
| <a href="#">B-50**</a> | SCADA Control Center Phases 1 and 2  | ** Planning                                     |
| <a href="#">B-51**</a> | SCADA Water Phase 3  | ** Planning                                     |
| <a href="#">B-52**</a> | SCADA Wastewater Phase 4   | ** Planning                                     |

\*\* No project worksheets.

**OTHER:**

No. of projects: 1

1 stormwater project is in the design phase and involves solving the stormwater issue in Harmon which directly affects GWA's Harmon Sewer pump station.

|                      |   |             |
|----------------------|---|-------------|
| <a href="#">B-49</a> | Rojas Harmon Stormwater Drainage Improvement Design | Procurement |
|----------------------|---|-------------|

## B-1 ID/IQ – Professional Civil and Structural Design Services M19-001-BND

| UPDATE   | SUPERVISOR              | PROJECT ENGINEER | SECTION          |
|--|-------------------------|------------------|------------------|
| As of 05/07/2024   | Asst. GM of Engineering | See Activities   | Water/WW/Support |
| Indefinite Delivery/Indefinite Quantity for professional civil and structural design services for various type of water and wastewater utility projects. |                         |                  |                  |

| PHASE  | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM                           |
|--------|-----------------|---------------|---------------------|--------------------------------|
| Design | RFP-02-ENG-2019 | 6/17/2019     | 6/17/2024           | AECOM Technical Services, Inc. |
| Design | RFP-02-ENG-2019 | 7/17/2019     | 7/17/2024           | HDR, Inc.                      |

| PHASE          | FUNDING SOURCES         | COST           | % COMPLETE |
|----------------|-------------------------|----------------|------------|
| Design (AECOM) | PW 05-06, MP-PW-Pipe-07 | \$1,000,000.00 |            |
| Design (HDR)   | PW 09-03                | \$750,000.00   |            |

### ACTIVITIES

#### AECOM

- Task Order No. 1 Mataguac Booster Pump Station Rehabilitation Design: 90% design phase.
  - a. Project Engineer: Garrett K.A. Yeoh, William F. Esteves
  - b. TO cost: \$250,000.00
- Task Order No. 2 Miscellaneous Booster Pump Station Improvements: Upgrade design for Adawag, Chalan Palauan, Pale Kieran, Ulloa/Untalan, Camacho, Manuel Tenorio, Santa Ana, Geus, Ija, Pigua, Umatac No. 1, and Umatac No. 2 booster pump stations. Kick off meeting held April 19, 2024.
  - a. Project Engineer: William F. Esteves, Garrett K.A. Yeoh
  - b. TO cost: \$750,000.00

#### HDR

- Task Order No. 1 Tai Road/S-13 and Toto Canada Road/Blas Street Waterline Replacement Design: 100% design completed. Under construction. See Tai Road/S-13 and Toto Canada Road/Blas Street Waterline Replacement construction project update sheet for details.
  - a. Project Engineer: Jessey A. Mendiola
  - b. TO cost: \$164,310.00
- Task Order No. 2 – Structural Assessment and Rehabilitation Design at Commercial Port and Chaot Sewer Pump Stations. This involves the structural assessment of structural system failures at Commercial Port and Chaot SPSs, and design of structural modifications to entry/exit for removal/reinstallation of pumps at Chaot SPS. On 7/25/23 Task order no. 2 draft was submitted. On 08/01/23 AGME approved to proceed on processing approval. 10/05/23 Attorney approved and returned TO no. 2 with her initials. On 2/3/24 AGME signed the budget request and the task order for E1 processing.
  - a. Project Engineer: Ernie Villarin
  - b. TO cost: \$61,547
  - c. Proposed funding source: MP-WW-Pump-01 Lift Station Rehabilitation/Replacement Program

## **B-2 ID/IQ – Professional Project-Construction Management Services M19-003-BND**

| UPDATE  | SUPERVISOR              | PROJECT ENGINEER | SECTION          |
|---|-------------------------|------------------|------------------|
| As of 05/07/2024  | Asst. GM of Engineering | See Activities   | Water/WW/Support |
| Indefinite delivery/Indefinite quantity for professional project and construction management services for various types of water and wastewater utility projects. |                         |                  |                  |

| PHASE | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM                               |
|-------|-----------------|---------------|---------------------|------------------------------------|
| PM-CM | RFP-04-ENG-2019 | 06/19/2019    | 06/19/2024          | Brown and Caldwell                 |
| PM-CM | RFP-04-ENG-2019 | 06/17/2019    | 06/14/2024          | Duenas, Camacho & Associates, Inc. |

### ACTIVITIES

#### Brown and Caldwell Task Orders:

1. Bond Report
2. Route 4 Sewer CIP (completed)
3. Asan-Adelup-Hagatna Sewer Rehabilitation CIP (completed)
4. Southern SSES CIP (completed)
5. Cost of Services Study
6. Water Meter Technical Assistance
7. Wastewater Hydraulic Model
8. Master Plan Update
9. Modeling

#### Duenas, Camacho, and Associates Task Orders:

1. Tank Repair Bypass CIP
2. Tai-Toto-Canada Water CIP
3. Ugum Water Treatment Plant Rehabilitation CIP
4. Yigo Sewer Pump Station CIP
5. Tank Inspection and Repairs CIP
6. District Metered Areas and Pressure Zone Realignment CIP
7. Wells A-23, A-25 remediation (see B-8 Central Guam Reservoirs project)
8. Groundwater Wells Treatment Design CIP for Dieldrin
9. Waterline Replacement/Tank Repair CIP

### B-3 Gill Breeze Subdivision Water and Sewer RFP-09-ENG-2022

| UPDATE  | SUPERVISOR | PROJECT ENGINEER | SECTION        |
|---|------------|------------------|----------------|
| As of 5/6/2024  |            | Rylma Carino     | Wastewater CIP |
| Design and construct a water system, conduct a study to determine the most appropriate wastewater disposal system (private onsite systems or public sewer system), and design and construct the wastewater disposal system. |            |                  |                |

| PHASE                   | PROCUREMENT NO. | CONTRACT DATE  | EXPECTED COMPLETION | FIRM |
|-------------------------|-----------------|----------------|---------------------|------|
| Design                  | RFP-09-ENG-2022 | In Procurement |                     | DCA  |
| Construction Management |                 |                |                     |      |
| Construction            |                 |                |                     |      |

| PHASE                   | FUNDING SOURCES | COST            | % COMPLETE |
|-------------------------|-----------------|-----------------|------------|
| Design                  | USEPA grants    | USEPA M98T80423 |            |
| Construction Management |                 |                 |            |
| Construction            |                 |                 |            |

#### ACTIVITIES

1. Completed its evaluation of all proposals received.
2. Notification letter issued to DCA on 4/24//2024.
3. Scoping meeting held on May 1, 2024, to address scope questions and/or issues.
4. Waiting for DCA's fee proposal.

**B-4****Adacao Water and Sewer Infrastructure  
Design Services****S22-004-ARP**

| UPDATE   | SUPERVISOR | PROJECT ENGINEER               | SECTION        |
|--|------------|--------------------------------|----------------|
| As of 5/7/2024   |            | George J. Watson, Joseph Calvo | Wastewater CIP |
| Evaluate and design water and sewer infrastructure to upgrade water and bring property owners off of septic and onto sewer for the Adacao area in Mangilao, where GWA is observing high Nitrates at 5 production deep wells. |            |                                |                |

| PHASE                   | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM                         |
|-------------------------|-----------------|---------------|---------------------|------------------------------|
| Design                  | RFP-09-ENG-2022 | 3/1/2023      | 12/31/2026          | Duenas, Camacho & Associates |
| Construction Management |                 |               |                     |                              |
| Construction            |                 |               |                     |                              |

| PHASE                   | FUNDING SOURCES                       | COST           | % COMPLETE |
|-------------------------|---------------------------------------|----------------|------------|
| Design                  | American Rescue Plan Act (ARPA) Grant | \$1,164,322.48 | 40%        |
| Construction Management |                                       |                |            |
| Construction            |                                       |                |            |

**ACTIVITIES**

- MOA between GWA and CLTC is signed (5/18/23)
- Designer (DCA) submitted Final Basis of Design and 60% plans and specs (11/21/23)
- Met with BME owners to discuss potential SPS on their property (9/15/23); Confirmed interest, signed Right of Entry agreement with BME to survey lot. GM signed ROE (9/25/23)
- Met w/ BME (1/26/24) to confirm interests and move forward with appraisal. Designer sent survey of BME site for property appraisal; appraisal conducted on 1/30/24; received appraisal report on 3/13/24.
- Working with Bobbie and DCA to produce letter and proposal for SPS property on BME lot; estimated value from appraisal of SPS property at \$59k, but property has a bank lien on it. Received Ownership & Encumbrance Report (5/3/24) and submitting interest letter with report and updated lot map for GM signature (5/7/24).
- Will schedule a meeting with Mangilao Mayor Allan soon to update and plan for town hall meeting for Adacao residents; need to consider the impact of emerging contaminants in wells and upcoming EPA enforcement on contaminants. Looking to 3<sup>rd</sup> party to do public outreach.
- Potential for centralized granular activated carbon (GAC) treatment for wells in Adacao, especially M-4; considering location and wells in the area that need it. Property size needed for centralized GAC treatment system estimated at a ¼ acre lot, but preferred ½ acre.
- Working on time extension request letter for funding.
- Total ARPA funding from Governor's Office: \$8.7M

**B-7****Central Guam Reservoirs****W14-006-BND**

| UPDATE  | SUPERVISOR            | PROJECT ENGINEER   | SECTION |
|---|-----------------------|--------------------|---------|
| 03/11/2024  | Brett E. Railey, P.E. | Garrett K. A. Yeoh | Water   |
| The work to be performed consist of designing and constructing new reservoirs, pipes, vaults, instrumentation, electrical, SCADA system, booster pump stations, pressure reducing valves, and general system upgrades. Sites include Tumon No. 1, Chaot No. 2, Barrigada Hgts (Hyundai), Tamuning (Airport), and Manenggon (Pulantat) Reservoirs, and Barrigada Res BPS, Barrigada Heights BPS, St. John's PRV, St. Vitores Road PRV, A-23 DW, and A-25 DW. |                       |                    |         |

| PHASE  | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM                               |
|--|-----------------|---------------|---------------------|------------------------------------|
| Design   | RFP-09-ENG-2014 | 5/23/2015     | 12/2024             | GHD, Inc.                          |
| Construction Management<br>(Tumon, Chaot, Barrigada) | RFP-02-ENG-2017 | 12/13/2017    | Complete            | TG Engineers, PC                   |
| Construction Management (Tamuning, Manenggon)        | RFP-01-ENG-2023 | 07/07/2023    | 06/2025             | Duenas, Camacho & Associates, Inc. |
| Construction<br>(Tumon, Chaot, Barrigada)            | IFB-09-ENG-2017 | 02/02/2018    | 05/2023             | AIC International                  |
| Construction<br>(Tamuning, Manenggon)                | IFB-01-ENG-2023 | 1/22/2024     | 06/2025             | Core Tech Intl.                    |

| PHASE  | FUNDING SOURCES                                       | COST            | % COMPLETE |
|--|---|-----------------|------------|
| Design   | PW 09-11, PW 12-04, PW 12-06                          | \$3,644,279.00  | 95%        |
| Construction Management<br>(Tumon, Chaot, Barrigada) | PW 09-11, PW 12-04, PW12-06                           | \$3,171,745.23  | 100%       |
| Construction Management (Tamuning, Manenggon)        | PW 09-11  | \$1,840,912.95  | 0%         |
| Construction<br>(Tumon, Chaot, Barrigada)            | PW 09-03, PW 09-04, PW 09-11, PW 12-04, PW 12-06, SDC | \$22,860,219.00 | 96%        |
| Construction<br>(Tamuning, Manenggon)                | PW 09-11, PW 12-04, PW 12-06                          | \$34,429,555.00 | 0%         |

#### ACTIVITIES

##### Design:

- Tumon, Chaot, Barrigada, Tamuning, Manenggon 100% design 08/2022.
- A23/A25 GAC system bid documents under preparation. USDOT and USEPA funded. Engineering working on updating plans to include damage repairs to A-25, which include modifications for A-23. Designer revising plans and specifications to include various upgrades.

##### Construction Management:

- RFP-01-ENG-2023 Tamuning and Manenggon Reservoirs: Contract signed 07/07/23. Partial NTP issued 09/19/23 to begin project file management set up. Full NTP issued 02/19/2024. Work ongoing.

##### Construction:

- Tumon, Chaot, Barrigada: All tanks completed and in service. Contractor troubleshooting RTUs at PRV and tank sites. Installation of new valve near Holiday Towers and capping of distribution line at A29/A30 is pending GWA operations schedule.
- IFB-01-ENG-2023 Tamuning and Manenggon Reservoirs: Full NTP issued 02/19/2024. Contractor has received clearing/grading and building permit. Contractor mobilized at both sites. Contractor excavating for tank foundation, detention basin, etc at both sites.



**B-8****Design and CM Services for Waterline  
Replacement of Various Bridges****W22-08-BND**

| UPDATE  | SUPERVISOR            | PROJECT ENGINEER    | SECTION |
|---|-----------------------|---------------------|---------|
| 04/30/2024  | Brett E. Railey, P.E. | Ernesto L. Villarin | Water   |
| Work will involve design, construction management, and construction/repair of water and sewer lines crossing various bridges. |                       |                     |         |

| PHASE                          | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM     |
|--------------------------------|-----------------|---------------|---------------------|----------|
| Design/Construction Management | RFP-03-ENG-2023 | 02/22/2024    |                     | GHD Inc. |
| Construction                   |                 |               |                     |          |

| PHASE                          | FUNDING SOURCES | COST           | % COMPLETE |
|--------------------------------|-----------------|----------------|------------|
| Design/Construction Management | MP-PW-Pipe 12   | \$1,356,199.90 |            |
| Construction                   |                 |                |            |

**ACTIVITIES**

01/31/24 - Design and CM Services contract under processing.

02/02/24 - Letter of award was send to GHD

02/22/24 - Design and CM Services contract was executed.

02/26/24 - Notice to Proceed was issued, kick-off meeting was conducted.

03/06/24 - Consultation meeting with WSP/DPW Engineers, GHD and GWA. Lynden Kobayashi of WSP recommends adding back Aplacho Bridge and Ajayan Bridge to the list of bridges for assessment. These bridges were bid out 3 times the past 10 years but no one responded to the solicitation.

03/26/24 - GHD completed assessment of Agana 1, Asan Inland 2, and Asan Inland 3 bridges.

04/23/24 - Assessment of the 7 additional bridge crossings were completed namely: Bile Bridge, Geus Bridge, Merizo Inland Culvert, Piguam /bridge, Sumay Bridge, Toguan Bridge, and Umatac Bridge.

**B-9****Pressure Zone Realignment****W18-001-BND**

| UPDATE  | SUPERVISOR            | PROJECT ENGINEERS                                       | SECTION |
|---|-----------------------|---|---------|
| 05/08/2024  | Brett E. Railey, P.E. | Garrett K. A. Yeoh,<br>Jessey A. Mendiola, Jacob Miller | Water   |
| The work to be performed involves designing, construction managing, and constructing pressure zones, which consists of pressure reducing valves, flow meters, vaults, pipeline, electrical, instrumentation, and SCADA. Design and construction shall be in 5 phases. |                       |   |         |

| PHASE                  | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM                         |
|------------------------|-----------------|---------------|---------------------|------------------------------|
| Design CM (Phase 1)    | RFP-03-ENG-2018 | 08/16/2018    | 12/2024             | GHD, Inc.                    |
| CM (Phase 2)           | RFP-05-ENG-2022 | 06/21/2023    |                     | AmOrient Engineering         |
| Construction (Phase 1) | IFB-07-ENG-2019 | 04/21/2020    | 1/2024              | Sumitomo Mitsui Construction |
| Construction (Phase 2) | IFB-02-ENG-2024 |               |                     |                              |

| PHASE                  | FUNDING SOURCES                        | COST           | % COMPLETE |
|------------------------|--|----------------|------------|
| Design CM (Phase 1)    | PW 09-04, PW 09-10, PW 09-11, PW 12-01 | \$3,366,996.00 | 81%        |
| CM (Phase 2)           | USEPA-SRF Grant                        | \$1,688,925.00 | 0%         |
| Construction (Phase 1) | USEPA-SRF Grant, PW 05-16, PW 12-01    | \$6,046,179.63 | 95%        |
| Construction (Phase 2) | USEPA-SRF Grant                        |                | 0%         |

**ACTIVITIES**

Design: Phase 3 design at 75%

**Construction:**

- Phase 1: Punch list items and in discussions with property owners to finalize property acquisition and/or easements. Change Order No. 07 in process of approval to address additional valves needed for Okkodu and Terao sites (currently with Legal for review). Terao property issues still in discussion with the federal government. Awaiting federal government response.
- Phase 2: 100% design completed 03/23. IFB advertisement date: 02/14/24. IFB due date extended to: 05/20/24. Designer is preparing Revision A to include items, such as fencing, fiber connection for SCADA communication, and other details.

**B-10****Fire Hydrant Replacement Phase 1****W-19-002-BND**

| UPDATE   | SUPERVISOR          | PROJECT ENGINEER  | SECTION |
|--|---------------------|-------------------|---------|
| As of 8/30/2023  | Brian W. Hess, P.E. | Sylvia Y. Mercado | Water   |
| Replacement of 72 each existing old dry barrel fire hydrant with new wet barrel type hydrant at locations in several villages around the island. |                     |                   |         |

| PHASE                   | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM              |
|-------------------------|-----------------|---------------|---------------------|-------------------|
| Design                  | GWA In-House    | N/A           | N/A                 | N/A               |
| Construction Management | GWA In-House    | N/A           | N/A                 | N/A               |
| Construction            | IFB-03-ENG-2019 | 9/30/2019     | 02/17/2024          | Mega United, Inc. |

| PHASE                   | FUNDING SOURCES    | COST           | % COMPLETE |
|-------------------------|--------------------|----------------|------------|
| Design                  | N/A                | N/A            | 100%       |
| Construction Management | N/A                | N/A            | In- House  |
| Construction            | Bond 2016 PW 14-01 | \$1,300,645.92 | 100%       |

**ACTIVITIES****Scope of Work:**

The Fire Hydrant Replacement Phase 1 was bid under an Owner Furnished Contractor Installed (OFICI) contract. GWA will supply the hydrant body, gasket, bolts and nuts to contractor.

**Change Order:**

Mega United Change Order No. 06 for additional 4 Fire Hydrant to be replaced in Yigo was processed for approval 04/26/2024.

**Project Status:**

Mega United completed the replacement of 72 ea. fire hydrants on 2/17/24. The project was substantially completed and in operation on 2/17/24.

Mega United will replaced additional 4 fire hydrants as part of project construction without cost to GWA to off-set un-installed 6" Gate Valves cost. The replacement of 4 Fire Hydrants will start May 7, 2024 and will be completed on June 8, 2024.

**B-11**      **Tai Rd./ S-13 and Canada-Toto Lp./Blas St.**      **M19-001BND**  
**Waterline Replacement**

| UPDATE     | SUPERVISOR          | PROJECT ENGINEER   | SECTION |
|------------|---------------------|--------------------|---------|
| 05/08/2024 | Brett E. Railey, PE | Jessey A. Mendiola | Water   |

Replacement of old waterlines and reconnection of all customer service laterals along Tai Rd., S-13 (a short street off of Tai Rd.) Toto Canada Loop, and Blas Street. Replacement/ reconnection of WL on Taison Rd, off of Toto Canada Loop, has also been added into the project as of CO no. 2.

| PHASE                   | PROCUREMENT NO.                  | CONTRACT DATE | EXPECTED COMPLETION | FIRM                               |
|-------------------------|----------------------------------|---------------|---------------------|------------------------------------|
| Design                  | Civil/ Structural IDIQ- TO No. 1 | 1/20/2020     | 10/2021             | HDR Engineering, Inc.              |
| Construction Management | PM/CM Services IDIQ- TO No. 2    | 5/6/2021      | 5/2023              | Duenas, Camacho & Associates, Inc. |
| Construction            | IFB-02-ENG-2021                  | 5/12/2021     | 5/22/2023           | Giant Construction Corporation     |

| PHASE                   | FUNDING SOURCES   | COST           | % COMPLETE |
|-------------------------|---|----------------|------------|
| Design                  | Bond 2013 PW 09-03  | \$164,310.00   | 94%        |
| Construction Management | Bond 2020 PW 09-03  | \$189,729.00   | 65%        |
| Construction            | Bond 2020 PW 09-03,<br>Bond 2020 MP-PW-Pipe-12,<br>Grant, IFCIP | \$2,966,350.21 | 90%        |

**ACTIVITIES**

Tai Rd.: Complete.

Toto Canada Loop: All connections in original scope complete. Pending final work needed for Okso Ashley. TO Amendment No. 1 for HDR Design Services enroute for approval with GM. (Legal signed 4/26/24)

Taison Rd.: Complete.

Construction Change Order No. 6 pending. Additional street (Okso Ashley Rd.) needs to be connected to the new 12" on Toto-Canada Loop. Pending amendment to HDR's task order to complete new design and then will need estimates from contractor.

**B-12****Asan Springs Rehabilitation****W11-003-BND**

| UPDATE  | SUPERVISOR            | PROJECT ENGINEER           | SECTION |
|---|-----------------------|----------------------------|---------|
| 05/08/2024  | Brett E. Railey, P.E. | Jessey Mendiola, Ryan Diaz | Water   |
| The work involves designing and modifying the existing spring impoundment, constructing a new chlorination building, installing a new generator and new pumps, and other site improvements. |                       |                            |         |

| PHASE  | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM |
|--------|-----------------|---------------|---------------------|------|
| Design | RFP-11-ENG-2015 | 8/23/2016     | 12/2026             | HDR  |

| PHASE  | FUNDING SOURCES       | COST         | % COMPLETE |
|--------|-----------------------|--------------|------------|
| Design | USDOI Grant, PW 05-15 | \$712,263.00 | 85.8%      |

**ACTIVITIES****Design:**

Environmental assessment report made available for public comment by NPS 3/26/24.

Discussion of design scope modification to include treatment for PFAS and GWUDI ongoing. Awaiting cost from designer.

**B-13** Groundwater Wells A-02, A-07, A-12, D-05, and F-03 Rehabilitation (Re-bid No. 3) W16-001-EPA

| UPDATE  | SUPERVISOR         | PROJECT ENGINEER           | SECTION |
|---|--------------------|----------------------------|---------|
| 04/08/2024  | Brett Railey, P.E. | Ryan Diaz,<br>Garrett Yeoh | Water   |
| The work involves rehabilitating two existing production wells; A-12 and F-03. Existing Wells, A-02 and D-05, are currently not in production, and are included in the work as an additive bid. Other major work involves installing a new standby generator, a new chlorination building, new well equipment, and other site improvements. |                    |                            |         |

| PHASE                   | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM  |
|-------------------------|-----------------|---------------|---------------------|-------|
| Design                  | RFP-02-ENG-2016 | 5/26/2016     | 6/18/2024           | AECOM |
| Construction Management | RFP-06-ENG-2019 | 12/01/2020    | 6/18/2024           | DCA   |
| Construction            | IFB-02-ENG-2023 |               |                     |       |

| PHASE                   | FUNDING SOURCES | COST           | % COMPLETE |
|-------------------------|-----------------|----------------|------------|
| Design                  | USEPA – SRF     | \$1,758,247.00 | 91%        |
| Construction Management | USEPA – SRF     | \$640,248.00   |            |
| Construction            | USEPA - SRF     |                |            |

Design: 100% design completed (revision 3) 07/2022.

Construction: IFB-02-ENG-2023 Groundwater Wells A-02, A-07, A-12, D-05, and F-03 Rehabilitation (Re-bid No. 3)

- 11/17/23: IFB issued.
- 02/15/23: No bids received.
- 02/23/23: Post bid surveys sent out to registered bidders. Three firms responded.

Under discussion to re-package bid to include additional wells and well abandonment.

Project on hold until further decision by AGME.

**B-14** ID/IQ - Design and CM Asbestos Concrete Pipe for Waterline Replacement **W22-05-BND**

| UPDATE  | SUPERVISOR            | PROJECT ENGINEERS          | SECTION |
|---|-----------------------|----------------------------|---------|
| 05/08/2024  | Brett E. Railey, P.E. | Garrett Yeoh, Jacob Miller | Water   |
| The work to be performed consists of design and construction management of asbestos concrete pipe (ACP) waterline replacement island-wide. Work will include development of ACP waterline replacement priority list and water line designs for selected sites. Site prioritization shall be guided by the Water Resource Master Plan, operation and engineering input and data. |                       |                            |         |

| PHASE  | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM      |
|--------|-----------------|---------------|---------------------|-----------|
| Design | RFP-04-ENG-2022 |               |                     | GHD, Inc. |

| PHASE  | FUNDING SOURCES | COST           | % COMPLETE |
|--------|-----------------|----------------|------------|
| Design | USEPA-SRF Grant | \$1,500,000.00 | 0%         |

**ACTIVITIES**

CCU Resolution No. 17-FY2023 approved contract fee proposal for \$5,427,000.00.

E-505 revised to address OAG comments. Pending OAG approval and rerouting for A/E signature.

**B-15****ID/IQ - Design and CM for Waterline Replacement and Upgrades****W22-04-BND**

| UPDATE  | SUPERVISOR            | PROJECT ENGINEERS             | SECTION |
|---|-----------------------|-------------------------------|---------|
| 05/08/2024  | Brett E. Railey, P.E. | Garrett Yeoh,<br>Jacob Miller | Water   |
| The work to be performed consist of design and construction management of miscellaneous waterline island-wide. Work will include development of waterline replacement priority list and water line designs for selected sites. Site prioritization shall be guided by the Water Resource Master Plan, operation and engineering input and data. |                       |                               |         |

| PHASE                          | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM                               |
|--------------------------------|-----------------|---------------|---------------------|------------------------------------|
| Design/Construction Management | RFP-03-ENG-2022 |               |                     | Duenas, Camacho & Associates, Inc. |

| PHASE  | FUNDING SOURCES | COST           | % COMPLETE |
|--------|-----------------|----------------|------------|
| Design | USEPA-SRF Grant | \$1,500,000.00 | 0%         |

**ACTIVITIES**

CCU Resolution No. 19-FY2023 approved contract fee proposal for \$5,973,682.00.

E-505 revised to address OAG comments. Pending OAG approval and rerouting for A/E signature.



**B-16****ID/IQ - Design and CM Implementation of District Meter Areas****W22-06-BND**

| UPDATE  | SUPERVISOR            | PROJECT ENGINEERS          | SECTION |
|---|-----------------------|----------------------------|---------|
| 05/08/2024  | Brett E. Railey, P.E. | Garrett Yeoh, Jacob Miller | Water   |
| The work to be performed consists of design and construction management of District Meter Areas (DMA). Work will include development of DMA priority list and designs for selected sites. Site prioritization shall be guided by the DMA Implementation plan, operation and engineering input and data. |                       |                            |         |

| PHASE  | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM                               |
|--------|-----------------|---------------|---------------------|------------------------------------|
| Design | RFP-07-ENG-2022 |               |                     | Duenas, Camacho & Associates, Inc. |

| PHASE  | FUNDING SOURCES | COST           | % COMPLETE |
|--------|-----------------|----------------|------------|
| Design | USEPA-SRF Grant | \$1,500,000.00 | 0%         |

**ACTIVITIES**

CCU Resolution No. 20-FY2023 approved contract fee proposal for \$3,119,377.00.

E-505 revised to address OAG comments. Pending OAG approval and rerouting for A/E signature.

**B-17****ID/IQ - Design and CM Undersized  
Waterline Replacement****W22-03-BND**

| UPDATE   | SUPERVISOR            | PROJECT ENGINEERS             | SECTION |
|--|-----------------------|-------------------------------|---------|
| 05/08/2024   | Brett E. Railey, P.E. | Garrett Yeoh,<br>Jacob Miller | Water   |
| The work to be performed consist of design and construction management of undersized waterline replacement island-wide. Work will include development of ACP waterline replacement priority list and water line designs for selected sites. Site prioritization shall be guided by the Water Resource Master Plan, operation and engineering input and data. |                       |                               |         |

| PHASE  | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM               |
|--------|-----------------|---------------|---------------------|--------------------|
| Design | RFP-01-ENG-2022 |               |                     | Brown and Caldwell |

| PHASE  | FUNDING SOURCES | COST | % COMPLETE |
|--------|-----------------|------|------------|
| Design | USEPA-SRF Grant |      | 0%         |

**ACTIVITIES**

CCU Resolution No. 18-FY2023 approved contract fee proposal for \$2,600,498.00.

A/E finalizing Task Order No. 1.

**B-18 Santa Rita Springs Rehabilitation**

| UPDATE   | SUPERVISOR            | PROJECT ENGINEER              | SECTION             |      |
|--|-----------------------|-------------------------------|---------------------|------|
| 03/11/2024   | Brett E. Railey, P.E. | Jessey Mendiola, Garrett Yeoh | Water               |      |
| The work to be performed consist of design of the Santa Rita Springs Rehabilitation. Work will include increasing the impoundment, new impoundment roof, chlorination system, pump system and all other site upgrades. |                       |                               |                     |      |
| PHASE  | PROCUREMENT NO.       | CONTRACT DATE                 | EXPECTED COMPLETION | FIRM |
| Design   | RFP-06-ENG-2023       |                               |                     |      |
| Construction Management  |                       |                               |                     |      |
| Construction   |                       |                               |                     |      |
| PHASE  | FUNDING SOURCES       | COST                          | % COMPLETE          |      |
| Design   | USEPA Grant           |                               |                     |      |
| Construction Management  |                       |                               |                     |      |
| Construction   |                       |                               |                     |      |
| ACTIVITIES   |                       |                               |                     |      |
| RFP package is under preparation.  |                       |                               |                     |      |
| Revised scope of work includes PFAS treatment, Santa Rita tank relocation evaluation, and addressing sanitary survey issues.   |                       |                               |                     |      |

**B-19****Brigade II Booster Pump Station****W11-004-BND**

| UPDATE  | SUPERVISOR            | PROJECT ENGINEER   | SECTION |
|---|-----------------------|--------------------|---------|
| 05/08/2024  | Brett E. Railey, P.E. | Jessey A. Mendiola | Water   |
| Design/ construction of a new booster pump station, to include a new building structure, pump system, electrical system piping instrumentations, SCADA, general site upgrades, and off-site improvements such as new PRV's, valves, and vaults. |                       |                    |         |

| PHASE                   | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM                               |
|-------------------------|-----------------|---------------|---------------------|------------------------------------|
| Design                  | RFP-02-ENG-2011 | 4/5/2012      | 8/2022              | E.M. Chen & Associates             |
| Construction Management | RFP-02-ENG-2022 |               |                     | Duenas, Camacho & Associates, Inc. |
| Construction            |                 |               |                     |                                    |

| PHASE                   | FUNDING SOURCES | COST         | % COMPLETE |
|-------------------------|-----------------|--------------|------------|
| Design                  | PW 05-12        | \$245,863.20 | 98%        |
| Construction Management |                 |              |            |
| Construction            |                 |              |            |

**ACTIVITIES**

**Design:**  
100% design completed 8/2022. Invoice #6 under negotiation.

**Construction:**  
Pending funding availability. Funding was reallocated to CO projects.

**CM:**  
Pending funding availability. Funding was reallocated to CO projects.

**B-20 New Well Construction (AG-10, AG-12, Y-08)**

| UPDATE  | SUPERVISOR            | PROJECT ENGINEER   | SECTION |
|---|-----------------------|--------------------|---------|
| 04/04/2024  | Brett E. Railey, P.E. | Jessey A. Mendiola | Water   |
| Design and construction of three new production wells (AG-10, AG-12, Y-08). |                       |                    |         |

| PHASE                   | PROCUREMENT NO.      | CONTRACT DATE | EXPECTED COMPLETION | FIRM                               |
|-------------------------|----------------------|---------------|---------------------|------------------------------------|
| Design                  | RFP-01-ENG-2010      | 5/5/2011      |                     | GHD, Inc. (Formerly Winzler Kelly) |
| Construction Management | PM/CM Services ID/IQ |               |                     | Duenas, Camacho & Associates, Inc. |
| Construction            |                      |               |                     |                                    |

| PHASE                   | FUNDING SOURCES                        | COST           | % COMPLETE |
|-------------------------|--|----------------|------------|
| Design                  | PW 05-13, PW 05-14, Bond 2016 PW 09-02 | \$1,203,308.00 | 86%        |
| Construction Management |  |                |            |
| Construction            |  |                |            |

**ACTIVITIES**

Design: Design in progress to be consistent with Groundwater Wells A-02, A-07, A-12, D-05, and F-05 Rehabilitation (Project B-12). Pending decision on Rehab Well project on next steps for well projects due to no construction bidders.

Pending further decision by the AGME.

## B-21 Northern and Southern Guam Reservoirs

## W14-007-BND

| UPDATE  | SUPERVISOR         | PROJECT ENGINEER | SECTION |
|---|--------------------|------------------|---------|
| 01/04/2024  | Brett Railey, P.E. | Garrett Yeoh     | Water   |
| The work to be performed consist of designing and constructing new reservoirs, pipes, vaults, instrumentation, electrical, SCADA system, booster pump stations, pressure reducing valves, and general system upgrades. Sites include Santa Rosa No. 2 (SR), Santa Rita (SRI), Sinifa No. 2 (SIN), Inarajan, and Ugum No. 2 Reservoirs, and Santa Rosa, Agfayan, and Inarajan BPS's, and miscellaneous pressure zones pipeline work. |                    |                  |         |

| PHASE                       | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM               |
|-----------------------------|-----------------|---------------|---------------------|--------------------|
| Design                      | RFP-09-ENG-2014 | 05/23/2015    | 06/2024             | TG Engineers, P.C. |
| CM (SR, SRI, SIN)           | RFP-06-ENG-2017 | 04/02/2018    | 04/2023             | GHD, Inc.          |
| CM (Ugum No. 2)             | RFP-04-ENG-2023 | 12/01/2023    |                     | GHD, Inc.          |
| Construction (SR, SRI, SIN) | IFB-01-ENG-2019 | 09/30/2019    | 12/2023             | AIC, International |
| Construction (Ugum No. 2)   | IFB-06-ENG-2023 | 02/03/2024    | 07/2025             | AIC, International |

| PHASE                       | FUNDING SOURCES              | COST            | % COMPLETE |
|-----------------------------|------------------------------|-----------------|------------|
| Design                      | PW 09-11                     | \$3,992,595.20  | 91%        |
| CM (SR, SRI, SIN)           | PW 09-11                     | \$6,387,678.96  | 94%        |
| CM (Ugum No. 2)             | PW 09-11                     |                 | 0%         |
| Construction (SR, SRI, SIN) | PW 09-03, PW 09-04, PW 09-11 | \$27,356.044.61 | 74%        |
| Construction (Ugum No. 2)   | PW 09-11, PW 11-02           | \$22,834,768.00 | 0%         |

### ACTIVITIES

#### Design:

- Santa Rosa, Santa Rita, Sinifa, and Ugum No. 2 100% design completed. Inarajan and Agfayan BPS design ongoing (pending property acquisition for Agfayan).

#### Construction:

- Santa Rosa, Sinifa, Santa Rita: Santa Rosa No. 2 and Sinifa No. 2 reservoirs completed and in service. Santa Rita tank work halted due to uncertainty of the slope failure and high cost for slope stabilization and waterline, electrical, earthwork, roadway realignment. Santa Rita storage will move to Sinifa site. Hydraulic report prepared by B&C validated storage requirements. Santa Rosa Reservoir: Contractor is working on the booster pump station and generator building. Sinifa Reservoir: Contractor is finalizing punch list, preparing close out documents for Substantial Completion.

- Santa Rosa No. 1 and Sinifa No. 1 steel tanks inspected. Santa Rosa No. 1 repair change order issued to the contractor. Contractor to submit Sinifa No. 1 repair change order under revision by Contractor.

- Ugum No. 2 Reservoir: Full NTP issued on 02/19/2024 for both Contractor and Construction Manager. Permitting phase. Pre-construction meeting was held on 03/22/24 attended by GWA, GHD, AIC, and subcontractors. A meeting was held at DLM office on 3/29/24 regarding building permit issue. DLM looking for documentation that agricultural land purchased by GWA from private individuals were converted to public land use

through legislation. In a follow-up email from AGME to DLM on 4/29/24, DLM Planning Division responded that draft response has been prepared and sent to DLM Director for review and action. Contractor is in the process of submitting product submittals, shop drawings, RFI etc.

**B-22 Tank Repair/Bypass****W19-003-BND**

| UPDATE  | SUPERVISOR            | PROJECT ENGINEERS           | SECTION |
|---|-----------------------|-----------------------------|---------|
| 03/11/2024  | Brett E. Railey, P.E. | Calvin Yam,<br>Garrett Yeoh | Water   |
| The work to be performed consists of installing bypass piping, valves, etc. ahead of tank inspection. The operation of the bypass will allow the API inspectors and structural engineer to determine appropriate repairs after which the contractor will proceed to repair the tanks. |                       |                             |         |

| PHASE                   | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM                               |
|-------------------------|-----------------|---------------|---------------------|------------------------------------|
| Design                  | RFP-03-ENG-2008 | 8/1/2008      | 12/2023             | Duenas, Camacho & Associates, Inc. |
| Construction Management | RFP-04-ENG-2019 | 6/17/2019     | 10/2023             | Duenas, Camacho & Associates, Inc. |
| Construction            | IFB-06-ENG-2019 | 4/21/2020     | 10/2023             | AIC International                  |

| PHASE                   | FUNDING SOURCES                        | COST            | % COMPLETE |
|-------------------------|--|-----------------|------------|
| Design                  | Bond 2005, Bond 2010                   | \$1,291,799.91  | 100%       |
| Construction Management | PW 09-11, MP-PW-Tank-22, MP-PW-Tank-23 | \$897,077.00    | 40%        |
| Construction            | PW 09-09, PW 09-11, PW 12-05, SDC      | \$14,022,773.57 | 77%        |

**ACTIVITIES**

- Agat Umatac: 07/18/22 in service.
- Yigo No. 3: 08/08/22 in service.
- Windward Hills: 05/17/23 in service.
- Astumbo No. 1: Exterior coating.
- Malojloj: Bypass completed. Tank will be taken offline for inspection/repair after Pigua repair.
- Umatac Subdivision: Contractor has submitted repair fee. Cost is \$1.5M. AIC to resubmit cost in the \$1.2M range.
- Santa Ana: 11/21/2023 in service.
- Upper and Lower Nimitz: Lower Nimitz tank foundation preparation.
- Pigua: Interior coating. Contractor has found cracks on a lower shell plate. API has inspected the tank after sand blasting. API has recommended to replace course 1, 2 and portions of course 3 tank shell walls. Structural engineer will present an option to repair the shell wall with patch plates in lieu of replacement. Contractor to submit cost for the two options.
- Kaiser: Interior sand blasting.



**B-23****Asan-Adelup-Hagatna Route 1 Sewer  
Rehabilitation and Replacement Phase II****S15-002-EPA**

| UPDATE  | SUPERVISOR               | PROJECT ENGINEER   | SECTION        |
|---|--------------------------|--------------------|----------------|
| As of 5/7/2024  | Mauryn Q. McDonald, P.E. | Brown and Caldwell | Wastewater CIP |
| The gravity sewer main between Asan and Hagatna had deteriorated and required rehabilitation and replacement. The project involves the rehabilitation, repair, or replacement of approximately 1,700 linear feet of gravity sewer along Route 1 by Adelup and over 6,900 linear feet of gravity sewer in Hagatna. Wherever possible, cured-in-place-pipe was used to avoid trenching, which minimizes impacts to motorists and reduces construction timeframes. |                          |                    |                |

| PHASE                   | PROCUREMENT NO.                 | CONTRACT DATE | EXPECTED COMPLETION | FIRM                               |
|-------------------------|---------------------------------|---------------|---------------------|------------------------------------|
| Design                  | RFP-02-ENG-2015                 | 12/10/2015    | 12/2023             | HDR Inc.                           |
| Construction Management | RFP-04-ENG-2017                 | 7/31/2018     | 12/2023             | Duenas, Camacho & Associates, Inc. |
| Project Management      | PM/CM Services ID/IQ - TO No. 3 | 1/17/2020     | 12/2023             | Brown and Caldwell                 |
| Construction            | IFB-06-ENG-2020                 | 1/22/2021     | 12/2022             | Core Tech – Hawaiian Dredging, LLC |

| PHASE                   | FUNDING SOURCES                      | COST           | % COMPLETE |
|-------------------------|--------------------------------------|----------------|------------|
| Design                  | SRF Grant                            | \$1,999,246.38 | 100%       |
| Construction Management | SRF Grant, M 96902617-3 & M 96902619 | \$1,557,671.45 | 100%       |
| Project Management      | SRF Grant, M 96902619 & M 96902621   | \$617,485.00   | 100%       |
| Construction            | SRF Grant, M 96902619                | \$8,631,013.16 | 100%       |

**ACTIVITIES**

Construction completed. Project manager to submit final records to GWA. Following up on final turnover items.

A draft archaeological report was submitted to SHPO on 11/3/2022. SHPO comments dated 2/9/2024 were received. Project Manager to submit final report and GIS files to SHPO.

**B-24**      **Southern SSES Sewer Rehabilitation Phase II**      **S15-001-EPA**  
**(Baza Gardens – Santa Rita – Talofoto)**

| UPDATE  | SUPERVISOR              | PROJECT ENGINEER   | SECTION        |
|---|-------------------------|--------------------|----------------|
| As of 5/7/2024  | Maurn Q. McDonald, P.E. | Brown and Caldwell | Wastewater CIP |
| Rehab and/or replacement of old sewer lines to resolve I/I issues in the Southern wastewater collections system, in particular in Baza Gardens, Talofoto, and Santa Rita. |                         |                    |                |

| PHASE                   | PROCUREMENT NO.                | CONTRACT DATE | EXPECTED COMPLETION | FIRM               |
|-------------------------|--------------------------------|---------------|---------------------|--------------------|
| Construction Management | PM/CM Services ID/IQ- TO No. 4 | 1/17/2020     | 12/2023             | Brown and Caldwell |
| Construction            | IFB-04-ENG-2016                | 7/29/2016     | 12/2023             | ProPacific         |

| PHASE                   | FUNDING SOURCES         | COST           | % COMPLETE |
|-------------------------|-------------------------|----------------|------------|
| Construction Management | SRF Grant, M 96902619   | \$546,618.00   | 100%       |
| Construction            | SRF Grant, M 96902617-3 | \$1,189,815.00 | 100%       |

**ACTIVITIES**

Construction completed. Project manager to submit final records. Following up on final turnover items.

**B-25 Talofoto Sewer Improvement****S16-004-EPA**

| UPDATE  | SUPERVISOR               | PROJECT ENGINEER | SECTION    |
|---|--------------------------|------------------|------------|
| As of 5/7/2024  | Mauryn Q. McDonald, P.E. | Gerald N. Gattoc | Wastewater |
| Design and Construction of 4 Sewer Lift Stations in the Talofoto village where sewer lines are installed but never completed. |                          |                  |            |

| PHASE                   | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM                           |
|-------------------------|-----------------|---------------|---------------------|--------------------------------|
| Design                  | RFP-07-ENG-2016 | 8/12/2016     | 5/2020              | EMPSCO Engineering Consultants |
| Construction Management | In-house        | n/a           | 5/2020              | GWA                            |
| Construction            | IFB-07-ENG-2018 | 12/26/2018    | 5/2020              | Giant Construction Corporation |

| PHASE                   | FUNDING SOURCES         | COST           | % COMPLETE |
|-------------------------|-------------------------|----------------|------------|
| Design                  | SRF Grant               | \$501,092.86   | 100%       |
| Construction Management | n/a                     | n/a            | 100%       |
| Construction            | SRF Grant, M 96902617-2 | \$2,384,251.28 | 100%       |

**ACTIVITIES**

Construction is complete and the project is closed.

**B-26** Tamuning Hot Spots Sewer Line Rehabilitation and Replacement (Base Contract) **S16-003-EPA**

| UPDATE   | SUPERVISOR | PROJECT ENGINEER | SECTION    |
|--|------------|------------------|------------|
| As of 5/7/2024   |            | Gerald N. Gattoc | Wastewater |
| Sewer rehabilitation for lines at Winner Apartments, Segundo Leon Guerrero, and New Plaza Market behind GPO. |            |                  |            |

| PHASE                   | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM                 |
|-------------------------|-----------------|---------------|---------------------|----------------------|
| Design                  | RFP-06-ENG-2016 | 9/8/2016      | 10/2017             | TG Engineers         |
| Construction Management | RFP-04-ENG-2018 | 2/8/2019      | 12/2020             | AmOrient Engineering |
| Construction            | IFB-06-ENG-2018 | 1/10/2020     | 12/2020             | Ian Corporation      |

| PHASE                   | UNDING SOURCES          | COST           | % COMPLETE |
|-------------------------|-------------------------|----------------|------------|
| Design                  | SRF Grant, M 96902611-5 | \$663,629.00   | 90%        |
| Construction Management | SRF Grant, M 96902617-2 | \$386,521.80   | 100%       |
| Construction            | SRF Grant, M 96902617-2 | \$1,183,786.08 | 100%       |

**ACTIVITIES**

All construction for the base contract has been completed and final invoices have been processed. A design contract change order will be drafted to identify an active funding source (USEPA grant) to cover construction support for the construction additives that were not included in construction contract. A CM change order will be drafted to close the CM contract.

## B-27      Bayside Sewer Pump Station Rehabilitation      S15-007-BND

| UPDATE   | SUPERVISOR | PROJECT ENGINEER          | SECTION    |
|--|------------|---------------------------|------------|
| As of 5/6/2024   |            | Rylma Nida A. Carino (CM) | Wastewater |
| The Bayside Sewer Pump station was operating with a single pump in a manhole, no backup power, and no dial-out or SCADA for real-time reporting of pump or power issues. Rehabilitation includes refurbishment of the wet well, two new pumps with soft starters, a new generator, dial-out capability, and fence repairs. |            |                           |            |

| PHASE                   | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM                                   |
|-------------------------|-----------------|---------------|---------------------|--|
| Design                  | RFP-10-ENG-2016 | 7/28/2016     | 3/2024              | EMPSCO Engineering Consultants         |
| Construction Management | Internal CM     |               |                     |  |
| Construction            | IFB-03-ENG-2020 | 6/11/2020     | 12/2023             | Sumitomo-Mitsui Construction Co., Ltd. |

| PHASE                   | FUNDING SOURCES | COST         | % COMPLETE |
|-------------------------|-----------------|--------------|------------|
| Design                  | WW 09-01        | \$241,125.41 | 100%       |
| Construction Management | N/A             |              |            |
| Construction            | WW 09-01        | \$931,516.74 | 100.00%    |

### ACTIVITIES

#### For Construction

- The project completion on 04/06/2022 was extended to 05/19/2023 due to additional work order (CO#3).
- The commissioning of generator was on 01/04/2022.
- Testing and commissioning of the piping system was on 08/17/2022.
- Substantial Completion certificate issued on 10/25/2022.
- Punchlist completed on 6/2023.
- DPW approved the occupancy permit on 10/4/23.
- Final Change Order executed 12/5/2023 and final invoice paid 12/21/2023
- Acceptability of work accepted and was signed.

#### For Design Services

- A final Change Order (time extension) was executed on 12/26/2023
- The final invoice paid on 2/28/2024.
- GWA/EMPSCO submitted the final documents to SHPO on 3/19/2024, this should close out the project.

**B-28****Yigo Sewer Pump Station Flood Mitigation  
and Facility Rehabilitation****S18-001-BND**

| UPDATE   | SUPERVISOR | PROJECT ENGINEER | SECTION    |
|--|------------|------------------|------------|
| As of 5/7/2024   |            | George J. Watson | Wastewater |
| Evaluate and design flood mitigation and rehab needs for Yigo SPS, and install/construct design per plans and specs. |            |                  |            |

| PHASE                   | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM                               |
|-------------------------|-----------------|---------------|---------------------|------------------------------------|
| Design                  | RFP-01-ENG-2018 | 07/31/2018    | 03/2024             | AECOM                              |
| Construction Management | RFP-04-ENG-2019 | 07/20/2021    | 03/2024             | Duenas, Camacho & Associates, Inc. |
| Construction            | IFB-01-ENG-2021 | 04/26/2021    | 03/2024             | IAN Corporation                    |

| PHASE                   | FUNDING SOURCES         | COST           | % COMPLETE |
|-------------------------|-------------------------|----------------|------------|
| Design                  | Bond 2016 WW 09-01      | \$247,252.63   | 98%        |
| Construction Management | Bond 2016 WW 09-01      | \$96,754.00    | 70%        |
| Construction            | Bond 2020 MP-WW-Pump-01 | \$1,128,129.50 | 85%        |

**ACTIVITIES**

CO#1 negotiated time extension (479 days) w/ Contractor's special damages (\$8,360.00) due to delays (110 days). CO#2 for time extension approved (6/20/23).

CO#3 for work and time from Typhoon Mawar (\$14,753.48 and 30 days) signed by Legal (9/7/23) and pending Finance approval. CO#4 to include materials to repair High Level Alarm Panel, which is required for the SCADA. Awaiting the cost of replacing High Level Alarm Panel (HLAP). SCADA programming will be scheduled when high level alarm panel parts are received (the subcontractor is based in Hawaii). CCU approved the contract cost increase for CO#3 and 4 (11/28/2023). CO#3 signed by GM and forwarded to Contractor (1/17/24).

Considering closing out project. Initial cost for CO#4 came in at \$272K (1/16/24) and discussed with CM (1/17/24) numbers and reasons for cost. Asked contractor to provide a detailed cost breakdown, and JMI estimate came in at \$174,504.00 before any main contractor markup or labor is included (2/20/24). Met with IAN (4/4/24) and latest proposal is \$78,823, but still needs additional refining and encouraging IAN to contact MCS for programing. Met with IAN and MCS to discuss HLAP; site visit planned for week of 5/6/24. Possible closeout project with remaining work the Contractor can complete and moving SCADA/Alarm Panel work to a future contract if can't agree to costs.

Contractor remaining work: Punch list items, float controls, and safety painting of toe-kicks and overhead beams. Note, punch list electrical items will require contractor to replace fixtures that do not meet requirements. The punch list item replacements could possibly delay final closeout if materials are not available.

**B-30****Fats, Oil, Grease Receiving Station****S23-01-EPA**

| UPDATE   | SUPERVISOR | PROJECT ENGINEER | SECTION    |
|--|------------|------------------|------------|
| As of 5/7/2024   |            | George J. Watson | Wastewater |
| Design of a Fats, Oil, and Grease (FOG) receiving station to be located at the Northern District Wastewater Treatment Plant (NDWWTP). A FOG treatment facility is needed to support GWA's FOG program, to prevent FOG discharge into the wastewater collection system. |            |                  |            |

| PHASE                   | PROCUREMENT NO. | CONTRACT DATE  | EXPECTED COMPLETION | FIRM                               |
|-------------------------|-----------------|----------------|---------------------|------------------------------------|
| Design                  | RFP-05-ENG-2023 | In Procurement |                     | Duenas, Camacho & Associates, Inc. |
| Construction Management |                 |                |                     |                                    |
| Construction            |                 |                |                     |                                    |

| PHASE                   | FUNDING SOURCES | COST           | % COMPLETE |
|-------------------------|-----------------|----------------|------------|
| Design                  | USEPA grants    | \$1,430,527.72 | 0%         |
| Construction Management |                 |                |            |
| Construction            |                 |                |            |

**ACTIVITIES**

The Request For Proposals was issued on April 28, 2023 and closed on May 30, 2023. Negotiated costs. Original draft cost proposal with initial scope at \$3,492,095.32 (10/30/2023). After further negotiations and adjustment to scope, final cost proposal at \$1,430,528 (4/9/2024) and submitted to CCU for approval. CCU approved final cost proposal (4/29/2024); moving forward with contracting.

**B-31 Tumon Hot Spots****S16-001-EPA**

| UPDATE   | SUPERVISOR | PROJECT ENGINEER | SECTION    |
|--|------------|------------------|------------|
| As of 5/7/2024   |            | George J. Watson | Wastewater |
| Evaluate and design flood mitigation and rehab needs for Yigo SPS, and install/construct design per plans and specs. |            |                  |            |

| PHASE                   | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM |
|-------------------------|-----------------|---------------|---------------------|------|
| Design                  | RFP-01-ENG-2016 | 6/24/2016     |                     | TGE  |
| Construction Management | RFP-04-ENG-2019 |               |                     | .    |
| Construction            |                 |               |                     |      |

| PHASE                   | FUNDING SOURCES | COST         | % COMPLETE                                |
|-------------------------|-----------------|--------------|---|
| Design                  | USEPA grants    | \$572,089.00 | Design 100%, construction support pending |
| Construction Management | USEPA grants    |              |   |
|                         |                 |              |   |

**ACTIVITIES**

The design has been completed.

Construction Management is being handled through the Indefinite Delivery-Indefinite Quantity Islandwide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement.



**B-32****Dungca Beach Sewer Line Relocation****S20-001-EPA**

| UPDATE  | SUPERVISOR | PROJECT ENGINEER          | SECTION    |
|---|------------|---------------------------|------------|
| As of 5/6/2024  |            | Rylma Nida A. Carino (PM) | Wastewater |
| The existing 8-inch diameter Asbestos Cement Pipe (ACP) Sewer along Dungca Beach is among the oldest in GWA's wastewater collection system. GWA Operations conducted CCTV investigations on a limited number of existing sewer lines in the Dungca Beach area. CCTV records showed substantial deterioration in the ACP sewer line which may have reached the end of its service life. A new sewer line along the right of way will be installed and customers will be connected to the new line. |            |                           |            |

| PHASE                        | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM          |
|------------------------------|-----------------|---------------|---------------------|---------------|
| Design                       | RFP-01-ENG-2020 | 4/26/2021     | 7/2024              | GHD           |
| Construction Management (CM) |                 |               |                     | AECOM (ID/IQ) |
| Construction                 |                 |               | 4/2026              |               |

| PHASE                   | FUNDING SOURCES | COST         | % COMPLETE |
|-------------------------|-----------------|--------------|------------|
| Design                  | USEPA Grant     | \$633,625.75 | 90%        |
| Construction Management |                 |              |            |
| Construction            |                 |              |            |

**ACTIVITIES**

The design services (including engineering support) original completion date of 6/27/2023 was extended to 2/16/2024 under Change Order #1, which also separates the project into Phase 1 & Phase II.

**Phase I- Trankilo Street**

- a) 90% submittal on hold, pending CM contract and task order approval to finalize the constructability review (the contract and task order were forwarded to CM for signature).
- b) Signature of budget transfer of Task Order (1 on hold, waiting for the approved agreement and Task Order).
- c) Waiting for the cost of the upcoming Change Order.
  - 1) Erosion control along the river, 2) Magnetic Flow meter with recorder,
  - 3) New Force main and telecom line along the driveway of Bayside,
  - 4) Time extension due to the delays.

**Phase II Lagoon Drive**

- a) 60% design accomplished.
- b) GWA is pursuing purchase of an easement along Lagoon Drive, which is pending discussions with lot owners.
- c) GWA is pursuing a lot acquisitions for a new lift station. A Letter of Interest was sent to the Lot Owner and a response was not received.

**B-33** Fujita Sewage Pump Station Redundant Force Main S20-003-EPA

| UPDATE   | SUPERVISOR | PROJECT ENGINEER | SECTION        |
|--|------------|------------------|----------------|
| As of 5/7/2024   |            | George J. Watson | Wastewater CIP |
| Designer to identify redundant force main options for the Fujita SPS and provide design for selected option. |            |                  |                |

| PHASE                   | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM  |
|-------------------------|-----------------|---------------|---------------------|-------|
| Design                  | RFP-03-ENG-2020 | 10/5/2022     | 12/2024             | AECOM |
| Construction Management |                 |               |                     |       |
| Construction            |                 |               |                     |       |

| PHASE                   | FUNDING SOURCES                         | COST           | % COMPLETE |
|-------------------------|---|----------------|------------|
| Design                  | USEPA Grant Nos. M 96902619 & M96902621 | \$1,601,599.29 | 17%        |
| Construction Management |   |                |            |
| Construction            |   |                |            |

#### ACTIVITIES

Designer's force main (FM) assessment expert conducted corrosion assessment on exposed locations of FM (4/25/23) as part of the first step in assessing the existing FM; Draft assessment report submitted to GWA for review (9/15/23) and final FM Assessment report to be submitted (3/10/24).

Geotech to complete 13 borings along FM route in preparation of new FM design. Archeological monitoring required for boring locations submitted to SPHO (2/12/24); SHPO acceptance response received (2/20/24). Final revised AMDP to be submitted to SHPO by week of 4/8/24. Boring to be conducted once final permitting completed; estimated to start end of April or beginning May.

Expanded SOW to include Fujita SPS rehab work to Designer for review (3/27/23). Designer submitted cost proposal for expanded scope (11/9/23). The final scope and fee approved by CCU (11/28/23). CO#1 (expanded SOW) submitted by Designer (12/12/23) and executed on 1/2/2024. SPS Structural and Electrical assessment team arrived on island for SPS assessment on 2/19 – 2/22/24 and completed the initial assessment for structural and electrical; Civil and mechanical team conducted assessment week of 3/18/24. Designer working on Change Order to drill into old Tumon PS (Fujita) and assess possibility of using old PS as part of upgrade.

**B-34****Hagatna Main Sewage Pump Station  
Redundant Force Main****S20-002-EPA**

| UPDATE   | SUPERVISOR | PROJECT ENGINEER | SECTION        |
|--|------------|------------------|----------------|
| As of 5/7/2024   |            | George J. Watson | Wastewater CIP |
| Designer to identify redundant force main options for the Hagatna Main SPS and provide design for selected option and pump station rehabilitation. |            |                  |                |

| PHASE                   | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM |
|-------------------------|-----------------|---------------|---------------------|------|
| Design                  | RFP-02-ENG-2020 | 4/7/2021      | 12/2024             | GHD  |
| Construction Management |                 |               |                     |      |
| Construction            |                 |               |                     |      |

| PHASE                   | FUNDING SOURCES                         | COST           | % COMPLETE |
|-------------------------|---|----------------|------------|
| Design                  | USEPA Grant No. M 96902619, M96902623-1 | \$1,359,089.79 | 31%        |
| Construction Management |   |                |            |
| Construction            |   |                |            |

**ACTIVITIES**

Initial design intention: single redundant force main (FM) design using directional drilling and subsequent assessment/rehabilitation of existing FM. 30% design level 2 cost estimate was \$32M to \$35M, more than \$20M from previous estimates. The General Manager (GM) directed to pivot design to rehabilitate the existing FM, potentially using pipe bursting or lining to reduce costs. 60% design cost estimates for a single FM ranged from \$17.7 to 20.6M. 60% design received (6/19/23) and met with GM to discuss cost and potential alternatives (7/6/23). Met with Designer to discuss and direct pivot to look at rehabilitation methods of current FM (7/7/23) and met again (9/1/23) to further refine expectations. Met with Designer (10/3/23) to discuss revised pivot scope and fee, in addition to SPS scope and fee. Final revised scope and fee received (11/8/23).

GWA Engineering drafting letter to request utility easements through Government properties. GM signed letter to Port Authority (6/30/23).

Submitted expanded scope of work of Hagatna Main SPS rehabilitation work to Designer for cost proposal on 3/27/23 and negotiated costs. Final scope and fee for the FM design pivot and SPS assessment received (11/8/23); CCU approved scope and fee (11/28/23). CO#1 (revised scope and fee) submitted by Designer (12/12/23), signed by Legal (12/27/23, approved by GM and forwarded to Designer (1/8/24). SPS assessment team conducted assessment week of 2/5/24; completed an initial structural, civil, electrical assessment of SPS, and now working on a report and gathering additional information for design. Designer submitted Flow Analysis TM (3/8/24) discussing initial thoughts; met with Consent Decree team (4/2/24) to discuss options. Moving forward with SPS design at a max of 17 mgd (3 pumps) for wet weather, and average daily of 7 mgd.

**B-35****Hagatna Wastewater Treatment Plant  
Causeway and Facility Structural Analysis****S20-004-BND**

| UPDATE   | SUPERVISOR | PROJECT ENGINEER | SECTION        |
|--|------------|------------------|----------------|
| As of 5/7/2024   |            | George J. Watson | Wastewater CIP |
| Analysis and evaluation of Hagatna WWTP causeway bridge and facility structural integrity. |            |                  |                |

| PHASE                   | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM                               |
|-------------------------|-----------------|---------------|---------------------|------------------------------------|
| Design                  | RFP-08-ENG-2021 | 4/2/2021      | 12/2024             | Duenas, Camacho & Associates, Inc. |
| Construction Management |                 |               |                     |                                    |
| Construction            |                 |               |                     |                                    |

| PHASE                   | FUNDING SOURCES          | COST         | % COMPLETE |
|-------------------------|--------------------------|--------------|------------|
| Design                  | Bond 2020 MP-Gen-Misc-05 | \$114,820.00 | 30%        |
| Construction Management |                          |              |            |
| Construction            |                          |              |            |

**ACTIVITIES**

- DCA submitted subcontractor cost proposal for \$86K for structural analysis for mechanical, electrical, and architectural assessment (01/06/23); Change Order (CO) 1 signed by DCA and GWA Engineering, and routed for GM signature (3/14/23).
- GM directed to exclude mechanical assessments; DCA resubmitted proposal w/out mechanical (4/26/23) for total cost of \$65.7K.
- Updated CO1 sent to DCA for signature (4/27/23), and received revised CO back from DCA for processing (5/15/23); received comments from Legal (7/24/23), and signed by Legal (7/28/23), Finance (8/17/23), and approved by GM (8/18/23).
- Met with DCA on to discuss project path forward on causeway, CO work, and additional scope for to include potential assessment on clarifiers, and bypass on causeway for Hagatna Main SPS. New scope and fee proposal received (2/5/24) at \$150K (not including the abovementioned 65.7K), now waiting on final proposal writeup for CO2.
- Additional discussion with DCA on a SCADA assessment and design for the WWTP to help with alarms and alerts, and site visit (2/13/24) to walk with DCA and review current system. DCA submitted draft SOW for SCADA (3/5/24) for review.
- GWA, DCA (Designer), and GHD (Hagatna force main designer) met to discuss causeway and bypass force main design (2/7/24); both designers working on respective designs and DCA working to develop options for bypass FM on causeway.

Considering options for causeway rehabilitation.

**B-36****Hagatna Wastewater Treatment Plant  
Interim Disinfection****S19-001-BND**

| UPDATE  | SUPERVISOR | PROJECT ENGINEER | SECTION        |
|---|------------|------------------|----------------|
| As of 5/7/2024  |            |                  | Wastewater CIP |
| The project is a feasibility and pilot study for the use of an interim disinfection process including development of a proposed feasibility and pilot study work plan, wastewater characterization analysis and effluent quality analysis, dosing and concentration analysis, bench and pilot scale testing, chemical sourcing, transport and storage analysis, and development of detailed technical report documenting the findings and recommendations on the implementation of peracetic acid (PAA) interim disinfection. |            |                  |                |

| PHASE  | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM                               |
|--------|-----------------|---------------|---------------------|------------------------------------|
| Design | RFP-01-ENG-2019 | 7/25/2019     | 2/15/2021           | Duenas, Camacho & Associates, Inc. |

| PHASE  | FUNDING SOURCES | COST         | % COMPLETE |
|--------|-----------------|--------------|------------|
| Design | IFCIP           | \$736,265.92 | 75%        |

**ACTIVITIES**

Chemical enhanced primary treatment (CEPT) optimization and PAA disinfection bench scale study was completed in 2019 and documented through a 7/12/2019 technical memo (TM). The TM identified repairs necessary to implement a full-scale PAA pilot project.

Contract amendment #1 was to include a life cycle analysis on PAA and UV disinfection options covering a 20-year life cycle cost, repair of flocculation tank mixers, coagulant manifold, influent flow meter, effluent isolation gate, digester, and clarifier. The repairs are needed for full-scale plant bench testing for a 1-week period.

Contract amendment #2 was to include parts for clarifier repairs, as proper clarifier operations were needed for the pilot project.

The full-scale plant bench testing was completed in 2021 and a meeting with GWA and DCA was held on 3/9/2022. GWA was to determine long-term plans for the HWWTP, which includes considerations for climate change impacts. A Water and Environmental Research Institute's 4/30/2022 "Impact of Climate Change on Guam Waterworks Authority Infrastructure" advisory paper projected a 1-foot sea level rise by the year 2050. The long-term plans for the HWWTP will be addressed under a study.

The technical memo for the interim disinfection project will be finalized and the project 2<sup>nd</sup> quarter of 2024.

### B-37 Aplacho Drainage and Roadway Improvements

| UPDATE  | SUPERVISOR | PROJECT ENGINEER | SECTION    |
|---|------------|------------------|------------|
| As of 5/6/2024  |            | Rylma Carino     | Wastewater |
| The Aplacho Drainage and Roadway Improvements project will provide subterranean drainage along the crossroad extend the drain to daylight and harden with concrete headwall. The roadway will be rehabilitated due to the seepage of water during the rainy season. |            |                  |            |

| PHASE                   | PROCUREMENT NO.  | CONTRACT DATE | EXPECTED COMPLETION | FIRM            |
|-------------------------|------------------|---------------|---------------------|-----------------|
| Conceptual Design       | N/A              | 03/2022       | 08/2022             | DPW             |
| Construction Management | N/A              |               |                     | GWA/Internal CM |
| Construction            | IFB -07-ENG-2023 | TBD           | TBD                 | GWA             |

| PHASE                   | FUNDING SOURCES                      | COST           | % COMPLETE |
|-------------------------|--------------------------------------|----------------|------------|
| Conceptual Design       |                                      |                | N/A        |
| Construction Management |                                      |                | N/A        |
| Construction            | WW 11-03 2016 Bond and MP-WW-Pump-01 | \$1,053,819.91 | 0%         |

#### ACTIVITIES

The project is a joint project between GWA and DPW. DPW will provide design services and GWA will be responsible for the construction and construction management of this project. Upon completion of the project, the drainage system will be turned over to DPW.

1. Bid opened on 11/20/2023.
2. Notice of Intent awarded to A & R Pacific on January 2, 2024.
3. CCU was approved on 1/23/2024
4. The procurement including the contract was forwarded to the AG's office for review and comments based on the legality and form and due on 2/17/2024.
5. Sent the advance copy of plans on 2/21/2024 to GEPA for permit review.
6. The MOA between DPW and GWA was approved on 2/22/2024.
7. Construction plans signed.
8. Budget transfer forwarded to Finance on 3/5/2024 for processing.
9. SHPO responded Section 106 Consultation and concurred "No historical properties affected".
10. Insurance was reviewed by Engineering and Legal.
11. Contract Agreement is in process for signature.

**B-38** Indefinite Delivery-Indefinite Quantity S22-002-BND  
 Islandwide Sewer Collection/Transmission  
 System Repair, Rehabilitation, and  
 Replacement

| UPDATE  | SUPERVISOR | PROJECT ENGINEER | SECTION        |
|---|------------|------------------|----------------|
| As of 5/7/2024  |            | George J. Watson | Wastewater CIP |
| IDIQ to provide GWA with ability to design, manage, and address wastewater repairs, rehabilitation, and replacements within our sewer collection/transmission system. |            |                  |                |

| PHASE                     | PROCUREMENT NO. | CONTRACT DATE  | EXPECTED COMPLETION | FIRM |
|---------------------------|-----------------|----------------|---------------------|------|
| Construction Management   | RFP-06-ENG-2022 | In Procurement | n/a                 |      |
| Design/Build Construction |                 |                |                     |      |

| PHASE                     | FUNDING SOURCES                  | COST           | % COMPLETE |
|---------------------------|----------------------------------|----------------|------------|
| Construction Management   | GWA Bonds, USEPA SRF Grants, SDC | In Procurement |            |
| Design/Build Construction |                                  |                |            |

#### ACTIVITIES

- Completed selection of two A/E firms for PM/CM (AECOM and BC) on 11/10/22; completed negotiation with AECOM and BC on respective TO No. 1.
- Submitted AECOM signed contract agreement to Finance (Legal signed on 3/14/23) for approval, along with TO No. 1 (Legal signed 5/10/23) for approved; both currently processing in Finance.
- Submitted BC signed contract agreement to Legal (6/26/23) for approval, with TO No. 1 in review before sending to BC for signature.
- Both IDIQ Contract Agreements were pending approval of E-505 template to replace the current agreement (E-500). New draft E-505 templates were sent to A/E firms, with comments for review.
- TO No. 1 proposal costs with 2024 fees for BC being completed. BC sent updated fees (4/4/24); reviewing and will produce final TO No.1 to be forwarded with agreement to BC for signature; AECOM signed the agreement and TO No.1 on 3/8/24; routed for GWA processing. AECOM agreement sent to AG's office for review (4/4/24); AGs commented and Legal responded (4/26/24). AGs office agreed with responses. Resubmitted Agreement and TO1 for AGME review for AECOM (5/2/24) and BC (5/6/24). Both will need to be resigned by Contractors. No CCU approval needed.
- Working on scope for TO No. 2 for both AECOM and BC for CCTV work, and design of high priority gravity mains per CD.

GWA Engineering producing ID/IQ RFP for Design-Build (DB) Contractor(s); looking to advertise for ID/IQ DB RFP before end of year, pending execution of ID/IQ PM/CM agreements and supporting task orders.

**B-39****Casimiru Waterline Replacement****W20-003-BND**

| REPORT   | SUPERVISOR                | PROJECT ENGINEER    | SECTION             |
|--|---------------------------|---------------------|---------------------|
| As of 9/08/2023  | Barbara Ann C. Cruz, P.E. | Ernesto L. Villarin | Engineering Support |
| The work to be performed consists of replacing 2,560 linear feet of existing 6-inch asbestos cement pipe along Casimiru Street and Duenas Street with 6-inch PVC pipes. The scope includes installation of fire hydrants, reconnection of existing serve laterals from the old to new waterline, pressure testing and disinfection of new waterline, reconnection of existing PRV from old to new waterline, and asphalt pavement restoration. |                           |                     |                     |

| PHASE                       | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM   |
|-----------------------------|-----------------|---------------|---------------------|--|
| Design-Build (Construction) | IFB-07-ENG-2020 | 2/13/2021     | 5/30/2022           | Giant Construction Inc./ WB Flores Engineers |
| Construction Management     |                 |               | 6/30/2023           | GWA  |

| PHASE                       | FUNDING SOURCES                          | COST         | % COMPLETE |
|-----------------------------|--|--------------|------------|
| Design-Build (Construction) | Bond 2013 PW 09-03<br>Bond 2020 PW 09-03 | \$644,480.00 | 100%       |
| Construction Management     | In-house                                 |              | 100%       |

**ACTIVITIES**

|            |   |
|------------|---|
| 06/15/2023 | Received from Giant as-built drawings both cad file and pdf.  |
| 06/28/2023 | Received from Giant Invoice No. 5 (Final) for \$35,074.00. Prepared final COP no. 5 and Memo to Acting AGME with information to support approval of final payment. Late submission of acceptable as-built drawings was considered to have little to no impact to the project and commissioning of the waterline replacements. |
| 06/30/2023 | Acting AGME signed and submitted the final COP no. 5 to Finance to process payment and project close-out.<br>Construction Project Completed   |



**B-40 Reifsnider Street Waterline**

| UPDATE  | SUPERVISOR                | PROJECT ENGINEER    | SECTION             |
|---|---------------------------|---------------------|---------------------|
| As of 9/08/2023   | Barbara Ann C. Cruz, P.E. | Ernesto L. Villarin | Engineering Support |
| The work to be performed includes installation of 760 feet of 2-inch PVC waterline along Reifsnider Street and 160 feet of 6-inch PVC waterline crossing Murray Street and connecting to existing 6-inch waterline along Saltan Street. |                           |                     |                     |

| PHASE                       | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM |
|-----------------------------|-----------------|---------------|---------------------|------|
| Design-Build (Construction) |                 |               | 4/2023              | GWA  |
| Construction Management     |                 |               | 4/2023              | GWA  |

| PHASE                       | FUNDING SOURCES       | COST        | % COMPLETE |
|-----------------------------|-----------------------|-------------|------------|
| Design-Build (Construction) | Internally Funded CIP | \$45,799.56 | 100%       |
| Construction Management     |                       |             | 100%       |

**ACTIVITIES**

|            |   |
|------------|---|
| 02/28/2023 | Installation of 6-inch waterline crossing Murray Street was completed, including tie-in to existing 6-inch waterline at Saltan street. Remaining work are 2-inch waterline connection to new 6-inch waterline, pressure testing and disinfection of new waterline, installation of water meter for the complaining resident(s), and asphalt pavement restoration. |
| 03/30/2023 | The 2-inch waterline connection to 6-inch waterline and the remaining 2-inch waterline crossing the pavement to location of new water meter were completed. Pressure testing and disinfection of new waterline expected to be completed 4/15/2023.  |
| 04/03/2023 | Permit section needs to notify Mr. Cruz to apply for water meter connection.  |
| 04/15/2023 | Disinfection and testing of new waterlines completed.   |
| 05/10/2023 | Restoration of road a.c. pavement at Reifsnider Street was completed. Restoration road a.c. pavement at Murray Street is still pending.   |
| 08/12/2023 | Restoration of road a.c. pavement at Murray Street completed. In-house construction completed.  |

## B-41 Temporary Booster Pump Station Consolacion Street, Asan WOP-01-2022

| UPDATE  | SUPERVISOR                | PROJECT ENGINEER    | SECTION             |
|---|---------------------------|---------------------|---------------------|
| As of 04/30/2024  | Barbara Ann C. Cruz, P.E. | Ernesto L. Villarin | Engineering Support |
| This project intends to provide, in the interim, a temporary booster station that will supply adequate water pressure to customers located in the upper elevations of Consolacion Street, Asan. The ongoing CIP projects that will address this water pressure problem will take a couple of years to complete. |                           |                     |                     |

| PHASE                       | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM              |
|-----------------------------|-----------------|---------------|---------------------|-------------------|
| Design-Build (Construction) |                 |               | 03/29/2024          | GWA               |
| Construction (Electrical)   |                 |               | 9/30/2023           | R&E Builders, LLC |
| Construction Management     |                 |               | 12/31/2023          | GWA               |

| PHASE                       | FUNDING SOURCES       | COST                     | % COMPLETE   |
|-----------------------------|-----------------------|--------------------------|--------------|
| Design-Build (Construction) | Internally Funded CIP | \$38,771.89<br>24,950.00 | 100%<br>100% |
| Construction (Electrical)   |                       | \$49,999.00              | 100%         |
| Construction Management     |                       |                          |              |

### ACTIVITIES

Activities leading up to 01/02/2024 are briefly described in prior monthly reports.

- 01/02/2024 Supplier inform GWA that the duplex booster pump system is ready to be shipped from the factory. However, he noticed the influent/effluent piping did not appear correct. Supplier will contact the manufacturer.
- 01/03/2024 Manufacturer made corrections to address the flow orientation issue. GWA Engineer reminded the Supplier to include a 26-gallon tank in the shipment. Supplier acknowledged and will contact the manufacturer to include the tank and dome light accessories. ETA is 4 to 6 weeks or not later than the week of February 19, 2024. Replacement of the temporary booster pump with the new packaged duplex pump system will be performed by GWA. The revised expected completion date is March 29, 2024.
- 01/12/2024 Supplier sent revised schedule, package booster pump will arrive at Supplier's warehouse on February 3, 2024.
- 02/05/2024 Package booster pump was delivered by vendor to GWA Warehouse.
- 02/27/2024 Ops gave tentative schedule of package booster pump installation for first week of March 2024.
- 04/10/2024 Package booster pump was installed and operational. This project is now complete.

**B-42****Groundwater Production Meter Replacement****W19-001-BND**

| UPDATE  | SUPERVISOR                | PROJECT ENGINEER    | SECTION             |
|---|---------------------------|---------------------|---------------------|
| As of 04/30/2024  | Barbara Ann C. Cruz, P.E. | Ernesto L. Villarin | Engineering Support |
| The project will replace the above-ground discharge piping and meters at 30 existing deep wells located in different parts of the island. An additional 15 deep wells will be added through an executed change order. |                           |                     |                     |

| PHASE                   | PROCUREMENT NO.        | CONTRACT DATE | EXPECTED COMPLETION | FIRM                    |
|-------------------------|------------------------|---------------|---------------------|-------------------------|
| Design                  | PMO Facility Plan 2016 | 9/22/2017     | 10/2018             | Brown and Caldwell      |
| Construction Management |                        |               | 3/2023              | GWA                     |
| Construction            | IFB-05-ENG-2019        | 4/29/2020     | 3/2023              | Giant Construction Inc. |

| PHASE                   | FUNDING SOURCES         | COST           | % COMPLETE |
|-------------------------|-------------------------|----------------|------------|
| Design                  |                         |                | 100%       |
| Construction Management |                         |                | 100%       |
| Construction            | Bond 2013 PW 05-07      | \$ 142,053.65  | 100%       |
|                         | Bond 2016 PW 05-07      | \$1,250,000.00 | 100%       |
|                         | Bond 2020 MP-PW-MISC-02 | \$ 641,896.46  | 100%       |
|                         | SDC                     | \$ 151,207.27  | 100%       |

**ACTIVITIES**

Activities leading up to December 30, 2023 are briefly described in prior monthly reports.

|            |   |
|------------|---|
| 12/30/2023 | Ordered batteries has not arrived as scheduled. Contractor following-up.  |
| 01/31/2024 | Contractor advised that ordered batteries arriving 02/03/2024.  |
| 02/16/2024 | Contractor checked the following deep wells:<br>D-24 – Battery voltage was very low. Found water inside meter housing caused by condensation. After cleaning and replacing the old batteries with new batteries, the meter worked.<br>D-19, Battery voltage readings were normal but found water inside the meter housing. After replacing electronic module, the meter worked.<br>M-17B – Battery voltage was very low. Batteries, electronic module, and display module were all replaced and the meter worked.<br>A-08 – Meter was not working. Battery voltage was normal. After replacing the electronic module, the meter worked. |
| 02/20/24   | Contractor ordered 4 battery sets for replacement to dead batteries. These batteries will come from Switzerland shipped to US and then Guam. Because on restrictions on shipping of lithium batteries, arrival is estimated by May 2024.  |

04/30/24 Contractor updated its estimated delivery of ordered parts as May 30, 2024.

## **B-43 Ugum Water Treatment Plant Rehabilitation W22-10-BND**

| UPDATE  | SUPERVISOR                | PROJECT ENGINEERS   | SECTION             |
|---|---------------------------|---------------------|---------------------|
| As of 04/30/2024  | Barbara Ann C. Cruz, P.E. | Ernesto L. Villarin | Engineering Support |
| The project involves the rehabilitation or upgrades to the raw water pumps at the river intake, settling basins, membranes, pipe gallery, generator room, backwash, neutralization tank, sludge tank, thickening system, operations and chemical building, and administration building to improve plant capacity, treatment performance, and provide reliable operation of the water treatment plant. |                           |                     |                     |

| PHASE                   | PROCUREMENT NO.                | CONTRACT DATE | EXPECTED COMPLETION | FIRM                                 |
|-------------------------|--------------------------------|---------------|---------------------|--------------------------------------|
| Assessment of WTP       | Task Order No. 3<br>IDIQ PM/CM | 7/6/2021      | 4/2022              | Duenas, Camacho and Associates, Inc. |
| Construction Management | Task Order No. 3<br>IDIQ PM/CM |               |                     | Duenas, Camacho and Associates, Inc. |
| Construction            | IFB-05-ENG-2023                |               |                     |                                      |

| PHASE                   | FUNDING SOURCES   | COST   | % COMPLETE |
|-------------------------|---|--|------------|
| Assessment of WTP       | MP-PW-SWTP-03   | \$173,490.00   | 100%       |
| Construction Management | MP-PW-SWTP-03   | \$ 89,114.00   | 0%         |
| Construction            | 2010/2013/2020 PW 09-01<br>2016 WW 11-03<br>2020 MP-PW-SWTP-02<br>2020 MP-PW-SWTP-03<br>EPA Grant M96902621 | 766,129.23<br>1,798,477.47<br>1,174,000.00<br>887,396.00<br>3,847,050.00 | 0%         |

### ACTIVITIES

Activities leading up to 01/31/2024 are described in prior monthly reports.

01/31/2024 Contract was fully executed. Notification of award to be posted to GWA website before issuance of NTP.

02/05/2024 Notice to Proceed with 425 calendar days to complete substantial completion.

02/08/2024 Pre-construction conference was conducted. Contractor submitted preliminary Construction Schedule for the first 60 days, preliminary Schedule of Submittals, preliminary Schedule of Values, and preliminary Critical path and Sequencing.

02/15/2024 Meeting with CM and Contractor. Discussed additional items requested by Operations and Electrical.

02/20/2024 Contractor visited the project site to assess the additional items requested by Operations to be included to the project as possible change order.

|            |  |
|------------|--|
| 03/2024    | Contractor submitted building permit to DPW but the application was not accepted. DPW requested PE stamped drawings despite the project called for replacement of parts only.                        |
| 03/06/2024 | CM was requested to submit fee proposal for PE stamped drawings as required by DPW.  |
| 03/21/2024 | CM submitted the requested fee proposal. It involves the scope of work for dredging the river intake and the hardening of access road adjacent to riverbank, PE stamped drawings and permit support. |
| 04/30/2024 | Contractor continues to work on material submittals while stamped drawings for permit are being worked out.  |

#### B-44 Design-Build of Pago Bay 12-inch Waterline Replacement 12303

| UPDATE   | SUPERVISOR                | PROJECT ENGINEER    | SECTION             |
|--|---------------------------|---------------------|---------------------|
| As of 04/30/2024   | Barbara Ann C. Cruz, P.E. | Ernesto L. Villarin | Engineering Support |
| The project will complete the conceptual design prepared by GWA Engineering, structural integrity assessment of the bridge wall that will support the replacement waterline, installation of 12-inch ductile iron waterline including pipe supports, pressure testing and disinfection of new waterline, reconnection to existing waterlines, asphalt pavement restoration, disposal of existing damaged 12-inch waterline, and condition assessment of existing 16-inch waterline hanging under the Bridge. |                           |                     |                     |

| PHASE                       | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM |
|-----------------------------|-----------------|---------------|---------------------|------|
| Design-Build (Construction) |                 |               |                     |      |
| Construction Management     |                 |               |                     |      |

| PHASE                       | FUNDING SOURCES         | COST         | % COMPLETE |
|-----------------------------|-------------------------|--------------|------------|
| Design-Build (Construction) | Bond 2010 PW 11-01      | \$25,114.00  |            |
|                             | Bond 2010 PW 09-06      | \$62,498.00  |            |
|                             | Bond 2020 MP-PW-Pipe-10 | \$200,000.00 |            |
|                             | Bond 2020 MP-PW-Pipe-11 | \$200,000.00 |            |
|                             | Bond 2020 MP-PW-Pipe-12 | \$12,388.00  |            |
| Construction Management     |                         |              |            |

#### ACTIVITIES

|            |  |
|------------|--|
| 02/28/2023 | Engineering sent a follow-up email to Finance inquiring the status of budget transfer request. |
| 03/15/2023 | Received message from Finance that budget certification is under review.                       |
| 04/06/2023 | Funding certification was approved and signed by GM.   |
| 04/17/2023 | Updated Front End Documents was transmitted to Josephine for transmittal to Legal.             |
| 6/30/2023  | Updating Front End Documents based on feedback from Legal Office.                              |
| 08/02/2023 | Review and edits of the technical specifications, conceptual plans and front end               |

|            |   |
|------------|---|
|            | documents are work in progress.   |
| 08/28/2023 | Routed the project Front End Documents to Engineering/Planning Section for review.  |
| 09/29/2023 | Engineering and Legal discussed the front-end documents for a Design-Build solicitation. The documents are with Legal for review. |
| 10/29/2023 | Review and apply the EJCDC D-520 Owner-Design Builder Agreement for this design-build project is in progress.                     |
| 12/30/2023 | Review of EJCDC D-520 Owner-Design Builder Agreement still pending.   |
| 03/25/2024 | Reviewed with AGME and Barbara the General Conditions – Design Builder, EJCDC D-700.  |
| 04/30/2024 | Review of the General Conditions – Design-Builder, EJCDC D-700 still in progress.   |

#### B-45 Current Balancing Unit for Deep Well A-09

| UPDATE   | SUPERVISOR                | PROJECT ENGINEER   | SECTION             |
|--|---------------------------|--------------------|---------------------|
| As of 01/05/2024   | Barbara Ann C. Cruz, P.E. | William F. Esteves | Engineering Support |
| <p>The project is a pilot project to install and evaluate the effectiveness of a Current Balancing Unit (CBU) for a GWA deep well. Current imbalances on the power supply to a 3-phase electric motor can cause the motor to overheat and shorten its life expectancy. The wells are operated by 3-phase electric motors. In its product literature, the CBU will monitor and automatically adjust the 3-phase currents to minimize the current imbalance to 3% or less. The CBU is also expected to accommodate wide fluctuations of voltages, so that even if the voltages from the utility are shifting up or down, the current stays balanced. There are other factors that can cause motor overheating but current imbalance is a condition that can happen frequently.</p> |                           |                    |                     |

| PHASE                       | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM |
|-----------------------------|-----------------|---------------|---------------------|------|
| Conceptual Design           |                 |               |                     | GWA  |
| Construction Management     |                 |               |                     | GWA  |
| Design-Build (Construction) |                 |               |                     |      |

| PHASE                       | FUNDING SOURCES | COST                    | % COMPLETE |
|-----------------------------|-----------------|-------------------------|------------|
| Conceptual Design           |                 |                         | 75%        |
| Construction Management     |                 |                         | 0%         |
| Design-Build (Construction) |                 | \$200,000.00 (estimate) | 0%         |

| ACTIVITIES |   |
|------------|---|
| 08/02/2023 | Water Production Manager submitted a Memo to request for funds to purchase and install a Current Balancer Unit (CBU) at Well Y-15 in the amount of \$154,048.21. Estimated cost includes electrical and concrete materials, crane rental and CBU installation/commissioning services. Y-15 has an estimated expenditure cost of |

|            |  |
|------------|--|
|            | \$394,677.55 from 2008 to 2023. The purchase and installation of current balancer unit will be expected to reduce motor failures and well pull outs.   |
| 08/10/2023 | GM requested AGME to prepare and submit a technical memo to document the power issues and reference manufacturer information on power imbalances to be used to discuss with GPA on proposed resolution and possible reimbursement of pump/motor replacement costs. |
| 11/03/2023 | AGME submitted the technical memo that covered a comprehensive analysis of the power issues at Y-15.   |
| 11/22/2023 | AGME signed and forwarded the Memo from Water Production Manager to CFO and GM recommending approval to use bond funds. CFO acknowledged to route the Memo to budget and then to the GM.   |
| 01/05/2024 | GWA Operations will install and Engineering will perform the study. The revised project site is Well Y-15. Engineering will meet and coordinate with Operations.   |

### B-46 Deep Well Power Line Conditioner Pilot Project

| UPDATE   | SUPERVISOR                | PROJECT ENGINEER   | SECTION             |
|--|---------------------------|--------------------|---------------------|
| As of 11/09/2023   | Barbara Ann C. Cruz, P.E. | William F. Esteves | Engineering Support |
| The project is a pilot project to install and evaluate the effectiveness of a power line conditioner for providing "clean" incoming power for a GWA deep well. Evaluation includes transient and surge protection and suppression, under/over voltage correction and protection, phase imbalance correction and protection, and capital and operation costs/savings. |                           |                    |                     |

| PHASE                       | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM |
|-----------------------------|-----------------|---------------|---------------------|------|
| Conceptual Design           |                 |               |                     | GWA  |
| Construction Management     |                 |               |                     | GWA  |
| Design-Build (Construction) |                 |               |                     |      |

| PHASE                       | FUNDING SOURCES                   | COST                     | % COMPLETE |
|-----------------------------|-----------------------------------|--------------------------|------------|
| Conceptual Design           |                                   |                          | 75%        |
| Construction Management     |                                   |                          | 0%         |
| Design-Build (Construction) | EE -9-02, EE 09-05, MP-PW-WELL-06 | \$200,000.00 (estimated) | 0%         |

## ACTIVITIES

08/02/2023 This project is on hold. Changing direction to perform a Sustainable Green Energy pilot project for deep wells.

### B-47 GWA Upper Tumon Warehouse Renovation 42102

| UPDATE  | SUPERVISOR                | PROJECT ENGINEER    | SECTION             |
|---|---------------------------|---------------------|---------------------|
| As of 03/05/2024  | Barbara Ann C. Cruz, P.E. | Ernesto L. Villarin | Engineering Support |
| The basic bid scope of work involves the design and construction of the replacement of existing warehouse roofing, sidings, exterior metal stairs, metal door, roll-up doors, and installation of ventilation system. The additive bid scope of work involves the demolition and replacement of existing office walls, ceilings, doors and windows, floor paving, painting, and electrical works. |                           |                     |                     |

| PHASE                   | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM |
|-------------------------|-----------------|---------------|---------------------|------|
| Construction            | IFB-03-ENG-2023 |               |                     |      |
| Construction Management |                 |               |                     | GWA  |

| PHASE                   | FUNDING SOURCES       | COST | % COMPLETE |
|-------------------------|-----------------------|------|------------|
| Construction            | Internally Funded CIP |      |            |
| Construction Management |                       |      |            |

## ACTIVITIES

Activities leading up to 01/19/2024 are described in prior monthly reports.

01/19/2024 Meeting with GM, AGME, AGMO, CFO and Engineering staff was held to discuss Design-Build of GWA Upper Tumon Campus Improvements. Design-Build of GWA Upper Tumon Campus Improvements will be comprised of Phase I and Phase II. Phase I includes Upper Tumon Warehouse Rehabilitation and Meter Testing Facility Repair while Phase II will involve Customer Service Center Renovation and Laboratory Equipment Replacement.

02/27/2024 Refer to "Upper Tumon Campus Improvements, Phases 1 and 2".

Note: In future monthly reports, the Upper Tumon Warehouse Renovation project will be replaced by and reported under the "Upper Tumon Campus Improvements, Phase 1".





**B-48 Upper Tumon Campus Improvements**

| UPDATE  | SUPERVISOR                | PROJECT ENGINEER    | SECTION             |
|---|---------------------------|---------------------|---------------------|
| As of 04/30/2024  | Barbara Ann C. Cruz, P.E. | Ernesto L. Villarin | Engineering Support |
| <p>This project involves the following:</p> <ol style="list-style-type: none"> <li>1. Phase I - Upper Tumon Warehouse Renovation and Meter Testing Facility Repair</li> <li>2. Phase II – Upper Tumon Customer Service Center Renovation and Laboratory Equipment Replacement</li> </ol> <p>Phase 1: Warehouse renovation involves the replacement of existing warehouse exterior structure, stairs, doors and ventilation system. May include replacement of office walls, ceilings, doors, windows and floors, and electrical rehab. Meter Testing Facility repairs of structural and water damages caused by Super Typhoon Mawar.</p> <p>Phase 2: Renovation of the Upper Tumon Customer Service Center including the Information Technology and Laboratory Office areas. Replacement of Laboratory's dedicated outdoor air units.</p> |                           |                     |                     |

| PHASE                   | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM |
|-------------------------|-----------------|---------------|---------------------|------|
| Construction            |                 |               |                     |      |
| Construction Management |                 |               |                     | GWA  |

| PHASE                   | FUNDING SOURCES | COST | % COMPLETE |
|-------------------------|-----------------|------|------------|
| Construction            |                 |      |            |
| Construction Management |                 |      |            |

**ACTIVITIES**

|            |  |
|------------|--|
| 02/27/2024 | CCU approved GWA Resolution No. 10-FY2024, Relative to Requesting Approval to Procure Design-Build of GWA Upper Tumon Campus Improvements. The approved total amount for Phases 1 and 2 is \$8,248,400.00. |
| 03/12/2024 | Filed a petition to the Guam PUC for approval of the procurement.  |
| 04/25/2024 | PUC approved CCU Resolution No. GWA 10-FY2024 regarding procurement of GWA Upper Tumon Campus Improvements Project.  |
| 04/30/2024 | Review of the General Conditions – Design-Builder, EJCDC D-700 still in progress.  |

**B-49****Rojas Harmon Stormwater Drainage****42306**

| UPDATE  | SUPERVISOR         | PROJECT ENGINEER          | SECTION  |
|---|--------------------|---------------------------|----------|
| As of 03/08/2023  | Prudencio F. Aguon | Vincent Edward T. Laguana | Planning |
| For design of stormwater infrastructure in Harmon Rojas Street to alleviate flooding issues. Mutually beneficial project for GWA and DPW. |                    |                           |          |

| PHASE  | PROCUREMENT NO. | CONTRACT DATE | EXPECTED COMPLETION | FIRM |
|--------|-----------------|---------------|---------------------|------|
| Design | RFP-07-ENG-2023 | pending       | n/a                 | n/a  |
|        |                 |               |                     |      |
|        |                 |               |                     |      |
|        |                 |               |                     |      |

| PHASE  | FUNDING SOURCES | COST           | % COMPLETE |
|--------|-----------------|----------------|------------|
| Design | SO-98T45501-01  | \$1,000,000.00 | 0%         |
|        |                 |                |            |
|        |                 |                |            |

**ACTIVITIES**

Advertised 09/22/2023. Due date is 10/22/2023.  
 Bid opening was on 10/31/2023. Proposals were evaluated and scored.  
 GHD was selected proposer.  
 MOU was signed by DPW director and coordination with DPW is ongoing.  
 GWA reached an agreement to a scope of work and fee with selected firm.  
 Contract was drafted and approved by GWA Management. Contract was sent to AG for review.  
 Contract reviewal period estimated at 2 weeks.





## Financial Statement Overview April 2024

### Key Financial Indicators

| Indicator                         | Target      | February 2024 | March 2024  | April 2024  |
|-----------------------------------|-------------|---------------|-------------|-------------|
| DSC YTD                           |             |               |             |             |
| • Per Section 6.12 of Indenture   | 1.25        | 1.58          | 1.49        | 1.45        |
| • Per PUC / CCU                   | 1.30        | 1.58          | 1.49        | 1.45        |
| Days – Cash on Hand               | 120 days    | 290 days      | 312 days    | 311 days    |
| Collection Ratio**                |             |               |             |             |
| • Month to Date                   | 99%         | 99%           | 100%        | 85%         |
| • Year to Date                    | 99%         | 89%           | 91%         | 90%         |
| Days Billed                       | 30 days     | 30 days       | 30 days     | 29 days     |
| Account Receivable Days           | 30 days     | 39 days       | 38 days     | 40 days     |
| Account Payable Days              | 45 days     | 38 days       | 33 days     | 34 days     |
| Employee Count                    | 400 FTE     | 351 FTE       | 350 FTE     | 349 FTE     |
| Water Demand                      |             |               |             |             |
| • Month to Date                   | 451,933     | 418,166       | 451,256     | 427,852     |
| • Year to Date                    | 3,163,533   | 2,105,853     | 2,557,110   | 2,984,962   |
| Wastewater Flow                   |             |               |             |             |
| • Month to Date                   | 317,500     | 298,261       | 338,918     | 328,076     |
| • Year to Date                    | 2,222,500   | 1,534,418     | 1,873,336   | 2,201,411   |
| Operations & Maintenance Expense* | \$6,567,186 | \$5,537,977   | \$6,311,579 | \$6,834,138 |
| Water Customers                   | 43,978      | 43,529        | 43,517      | 43,640      |
| Wastewater Customers              | 30,781      | 31,216        | 31,298      | 31,024      |

\*Excludes Depreciation

\*\* Includes SDC Revenue and Collection

### Water and Wastewater Consumption

Water consumption for April 2024 increased by 6% compared to April 2023. Decrease in Residential consumption was offset by growth in Hotel and Government consumption. Wastewater flows increase by 9% for the month of April compared to last year. Wastewater flow increases in the Federal Government and Hotel customer classes offset decreases in other customer classes. Note that billing days in April 2024 and April 2023 were both 29 days.

Year-to-date water consumption as of April 2024 was same level as prior year and wastewater flows were 1% below prior year. Decrease in Residential customer classes was the main reason for the decrease in water consumption. Decreases in wastewater flows from Commercial and Residential customer classes were the prime reasons for the decrease in flows. Note that we determined large increases in consumption in the recent Navy billings are attributable to GPA for the MEC facility in the first quarter of this calendar year.

Year-to-date average daily water consumption (ADC) as of April 2024 of 14,382 kgals is 2% less than the prior year's 14,430 kgals. Decreases in the Government of Guam and Residential customer classes largely drove the reduction in ADC. Year-to-date billing days at 209 days are two days more than the prior year.

**Balance Sheet (Schedule A)**

- Total Assets & Deferred Outflows of Resources of \$1.219B in September 2023 increased by \$13.2M or 1% to \$1.232B in April 2024. Current Assets increased by \$13.3M primarily due to increases in cash and accounts receivable. Property, Plant and Equipment decreased by \$6.4M due to increases in depreciation. Other Noncurrent Assets increased by \$7.5M due to increases in investments.
- Liabilities & Deferred Inflow of Resources of \$885.4M in September 2023 increased by \$5.1M or 1% to \$890.5M in April 2024 as increases in Trades Accounts Payable and Interest Payable were offset by decreases in Contractors Payable and Unamortized Bond Premium. Note that the bond refunding transactions have not been posted as information is still being analyzed and the advance payment of \$1M from the insurance company for Mawar has been booked as deferred revenue.
- Accounts Receivable days in April 2024 were 40 days and in March 2024 were 38 days. Accounts Payable days in April 2024 were 34 days and in March 2024 were 33 days. Schedule I presents Accounts Receivable Aging by Customer Class and Schedule H contains a breakdown of Government Receivables. Schedule J reports Accounts Payable Aging.

**Statement of Operations and Retained Earnings (Schedules B-E)**

- Total Operating Revenues for April 2024 of \$11.0M are \$129.2K or 1% more than the budget of \$10.8M. April 2024 Total Operating Revenues are 24% or \$2.1M more than April 2023's \$8.8M. Note there was a rate increase of 16.7% effective October 2023.
- Year-to-date Operating Revenues as of April 2024 of \$75.6M were \$194.0K less than budget and \$11.5M or 18% more than Year-to-date Operating Revenues as of April 2023 of \$64.1M.
- Below are the percentages of operating revenues (water and wastewater) contributed by GWA's customer classes for FY2024 and FY2023 as well as the revenue totals:

| Customer Class                         | FY2024       |         | FY2023       |         |
|--|--------------|---------|--------------|---------|
| ○ Residential                          | \$31,202,713 | 41.94%  | \$27,093,226 | 43.19%  |
| ○ Commercial                           | 15,592,882   | 20.96%  | 13,725,107   | 21.88%  |
| ○ Hotel                                | 12,854,944   | 17.28%  | 9,792,095    | 15.61%  |
| ○ Government of Guam                   | 9,236,669    | 12.42%  | 7,731,533    | 12.33%  |
| ○ Federal Government                   | 5,170,000    | 6.95%   | 4,119,816    | 6.57%   |
| ○ Agriculture, Golf Course, Irrigation | 341,779      | 0.45%   | 266,671      | 0.42%   |
| TOTALS                                 | \$74,398,987 | 100.00% | \$62,728,448 | 100.00% |

- Total Operating Expenses for April 2024 of \$9.2M were \$330.1K or 4% less than budget of \$8.9M. April 2024 Total Operating Expenses were 8% or \$697.6K more than April 2023's \$8.5M. We continue to monitor the Navy billing for water due to recent notices of substantial rate increases; the increases are related to the Base Operating Services Contract increases.
- Year-to-date Operating Expenses as of April 2024 of \$60.2M were 3% or \$2.1M more than the budget of \$62.2M and 2% or \$1.3M less than April 2023's YTD \$61.5M. Water Purchases, Salaries and Benefits, Depreciation, and Retiree Benefits increased year over year while Power Purchases, Administrative & General Expense, and Contractual Expense decreased.



- Earnings from Operations for April 2024 of \$1.7M were 10% or \$201.0K less than the budget of \$1.9M and \$1.4M more than April 2023's \$305.1K. Change in Net Assets for April 2024 of \$310.4K was 83% or \$1.5M less than the \$1.8M budget and \$2.2M less than April 2023's \$2.5M. The decrease in the Change in Net Assets year over year was mostly due to reductions in local contributions and federal grants.
- Year to Date Earnings from Operations as of April 2024 of \$15.4M is 14% or \$1.9M more than the budget of \$13.6M and \$12.8M more than prior year's \$2.7M. Year-to-date Change in Net Assets as of April 2024 of \$8.1M is \$4.7M or 37% less than budget of \$12.9M and \$1.8M or 18% less than prior year's \$10.0M. The decrease in the Change in Net Assets year over year was mostly due to reductions in local contributions and federal grants.
- No Rate Stabilization Funds were used in April 2024. There is a balance of \$950.0K in the RSF at the end of April 2024.

#### **Cash Flow (Schedule F)**

- FY2024 cash flows from operating activities were \$32.2M, \$22.7M in cash used in capital and financing activities and cash used in investing activities was \$6.7M resulting in an increase in cash of \$2.7M. Days Cash on Hand for April 2024 was calculated at 311 days compared to March 2024's 312 days. Schedule G contains a schedule of restricted and unrestricted cash and investments.

#### **Customer Payments**

While only 7% of payments are made in cash, more than a third of payments continue to be made in person. The Upper Tumon drive through continues to remain open.

On April 28, 2020, CCU Resolution 24-FY2020 granted the lifting of credit card limits on payments for non-residential accounts. In FY2024, approximately 53% of payments were made with credit cards. Below is a summary of non-residential credit card payments and related fees.

| Month                        | Customer Count | Amount Paid | Fees     | % Of Fees to Payments |
|------------------------------|----------------|-------------|----------|-----------------------|
| May – September 2020         | 140            | \$241,335   | \$4,952  | 2.05%                 |
| October 2020–September 2021  | 526            | \$1,119,286 | \$22,505 | 2.01%                 |
| October 2021– September 2022 | 738            | \$3,076,971 | \$61,588 | 2.00%                 |
| October 2022 -September 2023 | 783            | \$3,420,468 | \$66,158 | 1.93%                 |
| October – December 2023      | 192            | \$1,035,322 | \$20,816 | 2.01%                 |
| January -March 2024          | 234            | \$1,102,942 | \$22,176 | 2.01%                 |
| April 2024                   | 76             | \$ 363,829  | \$ 7,315 | 2.01%                 |

Resolution 21- FY2024 asks the CCU to approve the contract for the new Merchant Services Vendor, Bank of Hawaii (BOH); PUC approval will also be needed. Resolution 22-FY2024 seeks approval from the CCU to set up a new BOH bank account for the deposit of in-person debit and credit card payments; the new account will assist with the reconciliation of these payments.



The Upper Tumon office is open for payments on Saturdays. For the four Saturdays in April, 404 payments totaling \$52,343 were made towards GWA billings and 461 payments totaling \$94,981 were made for GPA.

For the month of April, Finance posted \$72,914 in utility payments from the Department of Administration (DOA) for eligible renters as part of the Guam Emergency Rental Assistance Program (GERAP). There were no payments received for eligible homeowners as part of the Guam Homeowners Assistance Fund (GHAF).

***Guam Solid Waste (GSW) Customer Payments***

GPWA began to accept GSW payments on June 6, 2022. For the month of April 2024, GWA accepted \$88,930 in GSW payments at the Upper Tumon Office. GWA will bill \$1,348 to GSW for processing fees.

***FY2025-FY2029 Financial Plan***

Four virtual meetings with the PUC consultants on the rate petition were held in the first two weeks in May 2024. Four additional meetings are scheduled in late May and early June. Presentations to various professional and community groups as well as public hearings will be scheduled in May and June.

A flyer with information about the proposed five-year plan will be mailed to ratepayers in early May.

***Invest Guam Symposium***

GEDA is hosting a 2-day InvestGuam Symposium on May 14 and 15 in New York City. All the Government of Guam credits, including GWA, have been invited to participate in the presentation to potential investors.

***Tourism***

Visitor arrivals in March 2024 were 66,753 compared to March 2023 arrivals of 61,388, an increase of 8.7%. Fiscal Year to Date arrivals in March FY2024 were 412,259 up 33.4% for March FY2023's YTD 309,086. Calendar Year to Date arrivals in March FY2024 were 223,577 up 28.3% from March CY2023's YTD 174,328.



**GUAM WATERWORKS AUTHORITY**  
**April 30, 2024**  
**FINANCIAL AND RELATED REPORTS**  
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**GUAM WATERWORKS AUTHORITY**  
**Balance Sheet**  
**April 30, 2024**

**SCHEDULE A**

| <b>ASSETS AND DEFERRED OUTFLOWS of RESOURCES</b>  | <b>Unaudited<br/>April 30, 2024</b> | <b>Unaudited<br/>September 30, 2023</b> | <b>Increase<br/>(Decrease)</b> |
|---|-------------------------------------|---|--------------------------------|
| <u><b>Current Assets</b></u>  |                                     |   |                                |
| Cash  |                                     |   |                                |
| Unrestricted (Schedule G)   | 53,046,255                          | 50,324,888                              | 2,721,367                      |
| Restricted Funds (Schedule G)   | 39,624,237                          | 32,707,733                              | 6,916,504                      |
| Accounts Receivable Trade, Net of Allowance for Doubtful Receivables<br>of \$9,582,684 at Apr 30, 2024 and \$10,894,003 at Sep 30, 2023 | 16,206,485                          | 11,484,716                              | 4,721,769                      |
| Federal Receivable  | 971,124                             | 2,191,346                               | (1,220,222)                    |
| Other Receivable  | 4,843,447                           | 3,952,874                               | 890,573                        |
| Prepaid Expenses  | 562,567                             | 1,206,948                               | (644,381)                      |
| Materials & Supplies Inventory, Net of Allowance for Obsolescence<br>of \$122,856 at Apr 30, 2024 and \$122,856 at Sep 30, 2023         | 4,992,148                           | 5,096,658                               | (104,509)                      |
| <b>Total Current Assets</b>   | <b>120,246,264</b>                  | <b>106,965,163</b>                      | <b>13,281,101</b>              |
| <u><b>Property, Plant and Equipment</b></u>   |                                     |   |                                |
| Utility plant in service  |                                     |   |                                |
| Water system  | 445,972,428                         | 444,848,078                             | 1,124,349                      |
| Wastewater system   | 683,275,301                         | 679,249,470                             | 4,025,831                      |
| Non-utility property  | 34,294,894                          | 33,683,228                              | 611,666                        |
| <b>Total property</b>   | <b>1,163,542,623</b>                | <b>1,157,780,776</b>                    | <b>5,761,847</b>               |
| Less: Accumulated Depreciation  | (441,431,177)                       | (424,928,727)                           | (16,502,450)                   |
| Land  | 5,417,178                           | 5,287,305                               | 129,873                        |
| Construction Work in Progress   | 78,347,020                          | 74,149,217                              | 4,197,803                      |
| <b>Property, Plant and Equipment, net</b>   | <b>805,875,644</b>                  | <b>812,288,571</b>                      | <b>(6,412,927)</b>             |
| Lease and subscription IT assets  | 614,418                             | 614,418                                 | -                              |
| <u><b>Noncurrent assets</b></u>   |                                     |   |                                |
| Restricted cash (Schedule G)  | 147,694,498                         | 150,366,788                             | (2,672,290)                    |
| Investments (Schedule G)  | 80,456,284                          | 70,239,665                              | 10,216,619                     |
| <b>Total other noncurrent assets and deferred charges</b>   | <b>228,150,782</b>                  | <b>220,606,453</b>                      | <b>7,544,329</b>               |
| <b>Total Assets</b>   | <b>1,154,887,108</b>                | <b>1,140,474,605</b>                    | <b>14,412,503</b>              |
| <b>Deferred outflows of resources</b>   |                                     |   |                                |
| Regulatory assets   | 2,858,947                           | 2,858,947                               | -                              |
| Debt defeasance due to bond refunding   | 26,002,896                          | 27,184,464                              | (1,181,568)                    |
| Deferred outflows from pension  | 7,405,025                           | 7,405,025                               | -                              |
| Deferred outflows from OPEB   | 41,247,962                          | 41,247,962                              | -                              |
| <b>Total Assets and Deferred Outflows of Resources</b>  | <b>1,232,401,938</b>                | <b>1,219,171,002</b>                    | <b>13,230,935</b>              |
| <b>LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS</b>  |                                     |   |                                |
| <u><b>Current Liabilities</b></u>   |                                     |   |                                |
| Current maturities of long-term debt  |                                     |   |                                |
| Series 2013 Revenue Bond  | 3,315,000                           | 3,315,000                               | -                              |
| Series 2014 Refunding Bond  | 4,205,000                           | 4,205,000                               | -                              |
| Series 2016 Revenue Bond  | 875,000                             | 875,000                                 | -                              |
| Series 2017 Refunding Bond  | 2,365,000                           | 2,365,000                               | -                              |
| Lease and subscription IT liabilities   | 375,103                             | 375,103                                 | -                              |
| Accounts Payable -Trade   | 4,122,050                           | 4,329,683                               | (207,633)                      |
| Accrued and Other Liabilities   | 19,732,040                          | 13,338,287                              | 6,393,752                      |
| Interest Payable  | 9,427,355                           | 7,070,516                               | 2,356,839                      |
| Accrued Payroll and Employee Benefits   | 1,629,739                           | 1,334,022                               | 295,717                        |
| Current portion of employee annual leave  | 729,390                             | 729,390                                 | -                              |
| Contractors' Payable  | 5,891,979                           | 8,565,009                               | (2,673,030)                    |
| Customer and Other Deposits   | 2,297,479                           | 2,268,968                               | 28,511                         |
| <b>Total Current Liabilities</b>  | <b>54,965,134</b>                   | <b>48,770,978</b>                       | <b>6,194,156</b>               |
| <u><b>Long Term Debt, less current maturities</b></u>   |                                     |   |                                |
| Series 2013 Revenue Bond  | 15,050,000                          | 15,050,000                              | -                              |
| Series 2014 Refunding Bond  | 55,845,000                          | 55,845,000                              | -                              |
| Series 2016 Revenue Bond  | 133,265,000                         | 133,265,000                             | -                              |
| Series 2017 Refunding Bond  | 98,565,000                          | 98,565,000                              | -                              |
| Series 2020A Revenue Bond   | 134,000,000                         | 134,000,000                             | -                              |
| Series 2020B Refunding Bond   | 166,075,000                         | 166,075,000                             | -                              |
| Unamortized Bond Premium/Discount   | 36,192,967                          | 37,287,410                              | (1,094,443)                    |
| Lease and subscription IT liabilities   | 192,245                             | 192,245                                 | -                              |
| Net pension liability   | 46,038,335                          | 46,038,335                              | -                              |
| Net OPEB obligation   | 116,272,057                         | 116,272,057                             | -                              |
| Employee Annual Leave, Less Current Portion   | 913,289                             | 913,289                                 | -                              |
| Employee Sick Leave   | 1,429,998                           | 1,429,998                               | -                              |
| <b>Total Liabilities</b>  | <b>858,804,026</b>                  | <b>853,704,313</b>                      | <b>5,099,713</b>               |
| <b>Deferred inflows of resources:</b>   |                                     |   |                                |
| Contribution in Aid of Construction   | 639,287                             | 646,937                                 | (7,650)                        |
| Deferred inflows from pension   | 5,176,746                           | 5,176,746                               | -                              |
| Deferred inflows from OPEB  | 25,852,937                          | 25,852,937                              | -                              |
| <b>Total Liabilities and Deferred Inflows of Resources</b>  | <b>890,472,995</b>                  | <b>885,380,933</b>                      | <b>5,092,063</b>               |
| <b>Net Assets</b>   | <b>341,928,942</b>                  | <b>333,790,070</b>                      | <b>8,138,873</b>               |
| <b>Total Liabilities, Deferred Inflows of Resources and Net Assets</b>  | <b>1,232,401,938</b>                | <b>1,219,171,002</b>                    | <b>13,230,935</b>              |

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative Budget vs. Actual for the period ending April 30, 2024**

SCHEDULE B

|   | Month to Date      |                   | Variance           |
|---|--------------------|-------------------|--------------------|
|   | Actual (Unaudited) | Budget            | Favorable /        |
|   | April-24           | April-24          | (Unfavorable)      |
| <b>OPERATING REVENUES</b>   |                    |                   |                    |
| Water Revenues  | 6,613,311          | 6,706,635         | (93,323)           |
| Wastewater Revenues   | 3,898,908          | 3,652,565         | 246,343            |
| Legislative Surcharge   | 345,566            | 327,945           | 17,621             |
| Other Revenues  | 63,302             | 39,525            | 23,777             |
| System Development Charge   | 36,743             | 102,000           | (65,257)           |
| <b>Total Operating Revenues</b>                                     | <b>10,957,832</b>  | <b>10,828,670</b> | <b>129,162</b>     |
| <b>OPERATING AND MAINTENANCE EXPENSES</b>                           |                    |                   |                    |
| Water Purchases   | 1,840,008          | 491,667           | (1,348,341)        |
| Power Purchases   | 1,834,663          | 1,935,131         | 100,467            |
| Total Utility Costs   | 3,674,671          | 2,426,797         | (1,247,874)        |
| Salaries and Wages  | 1,597,626          | 1,825,560         | 227,935            |
| Pension and Benefits  | 672,843            | 649,877           | (22,966)           |
| Total Salaries and Benefits   | 2,270,469          | 2,475,437         | 204,968            |
| Capitalized Labor and Benefits                                      | (323,639)          | (346,595)         | (22,956)           |
| Net Salaries and Benefits   | 1,946,830          | 2,128,842         | 182,013            |
| <b>Administrative and General Expenses</b>                          |                    |                   |                    |
| Sludge removal  | 85,019             | 27,993            | (57,026)           |
| Chemicals   | 128,482            | 159,944           | 31,462             |
| Materials & Supplies  | 100,815            | 207,083           | 106,267            |
| Transportation  | 27,071             | 64,580            | 37,509             |
| Communications  | 10,912             | 13,268            | 2,355              |
| Claims  | -                  | 14,917            | 14,917             |
| Insurance   | 137,905            | 161,333           | 23,428             |
| Training & Travel   | 5,769              | 16,763            | 10,994             |
| Advertising   | -                  | 11,199            | 11,199             |
| Miscellaneous   | 133,797            | 111,992           | (21,805)           |
| Regulatory Expense  | 9,817              | 18,250            | 8,433              |
| Bad Debts Provision   | (5,828)            | 188,520           | 194,348            |
| Total Administrative and General Expense                            | 633,759            | 995,841           | 362,082            |
| <b>Depreciation Expense</b>   | <b>2,383,892</b>   | <b>2,401,423</b>  | <b>17,531</b>      |
| <b>Contractual Expense</b>  |                    |                   |                    |
| Audit & Computer Maintenance  | 99,456             | 165,771           | 66,315             |
| Building rental   | 48,905             | 50,264            | 1,358              |
| Equipment rental  | 19,347             | 46,774            | 27,427             |
| Legal   | -                  | 125,000           | 125,000            |
| Laboratory  | 33,080             | 43,829            | 10,749             |
| Other   | 74,138             | 190,403           | 116,265            |
| Total Contractual Expense   | 274,927            | 622,041           | 347,115            |
| Retiree Supp. Annuities and health care costs                       | 245,493            | 252,159           | 6,666              |
| Contribution to Government of Guam                                  | 58,458             | 60,809            | 2,350              |
| Total Retiree Benefits  | 303,952            | 312,968           | 9,017              |
| <b>Total Operating Expenses</b>                                     | <b>9,218,030</b>   | <b>8,887,913</b>  | <b>(330,117)</b>   |
| <b>Earnings (Loss) from Operations</b>                              | <b>1,739,802</b>   | <b>1,940,757</b>  | <b>(200,955)</b>   |
| Interest Income - 2010/13/14/16/17/20 Series Bond                   | 555,564            | 647,004           | (91,440)           |
| Interest Income - Other Funds                                       | 171,742            | 22,917            | 148,826            |
| Interest Income - SDC   | 14,618             | 873               | 13,745             |
| Interest Expense - 2010/13/14/16/17/20 Series Bond                  | (2,356,839)        | (2,356,839)       | -                  |
| Contributions from Local Government                                 | -                  | -                 | -                  |
| Loss on Asset Disposal  | -                  | (56,499)          | 56,499             |
| Amortization of Discount, Premium and Issuance Costs                | 156,349            | 124,228           | 32,121             |
| Defeasance due to bond refunding                                    | (168,795)          | (170,449)         | 1,654              |
| Prior Year Adjustment   | 15,569             | (7,229)           | 22,798             |
| Total non-operating revenues (expenses)                             | (1,611,792)        | (1,795,994)       | 184,202            |
| <b>Net Income (Loss) before capital contributions</b>               | <b>128,010</b>     | <b>144,762</b>    | <b>(16,752)</b>    |
| <b>Capital Contributions</b>  |                    |                   |                    |
| Grants from US Government   | 70,723             | 1,686,437         | (1,615,714)        |
| Grants from GovGuam & Others  | 111,660            | 8,937             | 102,723            |
| Total Capital Contributions   | 182,383            | 1,695,374         | (1,512,991)        |
| <b>Change in Net Assets</b>   | <b>310,393</b>     | <b>1,840,136</b>  | <b>(1,529,743)</b> |
| <b>Debt Service Calculation</b>                                     |                    |                   |                    |
| Earnings From Operations  | 1,739,802          | 1,940,757         |                    |
| System Development Charge   | (36,743)           | (102,000)         |                    |
| Retiree COLA  | 58,458             | 60,809            |                    |
| Interest/Investment Income  | 171,742            | 22,917            |                    |
| Depreciation  | 2,383,892          | 2,401,423         |                    |
| Plus withdrawals (deposits) to Rate Stabilization Fund              | -                  | 79,167            |                    |
| ARPA Grant  | -                  | -                 |                    |
| <b>Balance Available for Debt Service per Section 6.12</b>          | <b>4,317,151</b>   | <b>4,403,072</b>  |                    |
| <b>Debt Service</b>   |                    |                   |                    |
| Principal   | 896,667            | 896,667           |                    |
| Interest  | 2,356,839          | 2,356,839         |                    |
| <b>Total</b>  | <b>3,253,505</b>   | <b>3,253,505</b>  |                    |
| <b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b> | <b>1.33</b>        | <b>1.35</b>       |                    |
| <b>Debt Service Coverage (1.30X) (PUC)</b>                          | <b>1.33</b>        | <b>1.35</b>       |                    |

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative for the period ending April 30, 2024 and 2023**

SCHEDULE C

|   | Month to Date      |                    | Variance           |
|---|--------------------|--------------------|--------------------|
|   | Actual (Unaudited) | Actual (Unaudited) | Increase /         |
|   | April-24           | April-23           | (Decrease)         |
| <b>OPERATING REVENUES</b>   |                    |                    |                    |
| Water Revenues  | 6,613,311          | 5,273,673          | 1,339,638          |
| Wastewater Revenues   | 3,898,908          | 2,927,764          | 971,144            |
| Legislative Surcharge   | 345,566            | 244,335            | 101,232            |
| Other Revenues  | 63,302             | 38,154             | 25,149             |
| System Development Charge   | 36,743             | 341,583            | (304,839)          |
| <b>Total Operating Revenues</b>                                     | <b>10,957,832</b>  | <b>8,825,508</b>   | <b>2,132,324</b>   |
| <b>OPERATING AND MAINTENANCE EXPENSES</b>                           |                    |                    |                    |
| Water Purchases   | 1,840,008          | 473,093            | 1,366,915          |
| Power Purchases   | 1,834,663          | 2,223,291          | (388,627)          |
| Total Utility Costs   | 3,674,671          | 2,696,384          | 978,287            |
| Salaries and Wages  | 1,597,626          | 1,521,354          | 76,271             |
| Pension and Benefits  | 672,843            | 593,200            | 79,644             |
| Total Salaries and Benefits   | 2,270,469          | 2,114,554          | 155,915            |
| Capitalized Labor and Benefits                                      | (323,639)          | (320,581)          | (3,059)            |
| Net Salaries and Benefits   | 1,946,830          | 1,793,973          | 152,856            |
| <b>Administrative and General Expenses</b>                          |                    |                    |                    |
| Sludge removal  | 85,019             | 62,779             | 22,240             |
| Chemicals   | 128,482            | 116,193            | 12,289             |
| Materials & Supplies  | 100,815            | 95,724             | 5,091              |
| Transportation  | 27,071             | 55,416             | (28,345)           |
| Communications  | 10,912             | 13,027             | (2,115)            |
| Claims  | -                  | 588                | (588)              |
| Insurance   | 137,905            | 147,927            | (10,022)           |
| Training & Travel   | 5,769              | 3,349              | 2,419              |
| Advertising   | -                  | 15,658             | (15,658)           |
| Miscellaneous   | 133,797            | 112,344            | 21,453             |
| Regulatory Expense  | 9,817              | 12,942             | (3,125)            |
| Bad Debts Provision   | (5,828)            | 168,915            | (174,743)          |
| Total Administrative and General Expense                            | 633,759            | 804,862            | (171,103)          |
| <b>Depreciation Expense</b>   | <b>2,383,892</b>   | <b>2,418,760</b>   | <b>(34,869)</b>    |
| <b>Contractual Expense</b>  |                    |                    |                    |
| Audit & Computer Maintenance  | 99,456             | 177,283            | (77,827)           |
| Building rental   | 48,905             | 48,327             | 579                |
| Equipment rental  | 19,347             | 48,773             | (29,426)           |
| Legal   | -                  | 114,414            | (114,414)          |
| Laboratory  | 33,080             | 2,017              | 31,063             |
| Other   | 74,138             | 117,268            | (43,130)           |
| Total Contractual Expense   | 274,927            | 508,083            | (233,156)          |
| Retiree Supp. Annuities and health care costs                       | 245,493            | 242,287            | 3,207              |
| Contribution to Government of Guam                                  | 58,458             | 56,100             | 2,358              |
| Total Retiree Benefits  | 303,952            | 298,387            | 5,565              |
| <b>Total Operating Expenses</b>                                     | <b>9,218,030</b>   | <b>8,520,448</b>   | <b>697,581</b>     |
| <b>Earnings (Loss) from Operations</b>                              | <b>1,739,802</b>   | <b>305,060</b>     | <b>1,434,742</b>   |
| Interest Income - 2010/13/14/16/17/20 Series Bond                   | 555,564            | 881,995            | (326,432)          |
| Interest Income - Other Funds                                       | 171,742            | 125,781            | 45,961             |
| Interest Income - SDC   | 14,618             | 9,301              | 5,317              |
| Interest Expense - 2010/13/14/16/17/20 Series Bond                  | (2,356,839)        | (2,400,140)        | 43,301             |
| Contributions from Local Government                                 | -                  | 1,800,000          | (1,800,000)        |
| Loss on Asset Disposal  | -                  | -                  | -                  |
| Amortization of Discount, Premium and Issuance Costs                | 156,349            | 124,228            | 32,121             |
| Defeasance due to bond refunding                                    | (168,795)          | (170,449)          | 1,654              |
| Prior Year Adjustment   | 15,569             | (16,741)           | 32,310             |
| Total non-operating revenues (expenses)                             | (1,611,792)        | 353,976            | (1,965,768)        |
| <b>Net Income (Loss) before capital contributions</b>               | <b>128,010</b>     | <b>659,036</b>     | <b>(531,026)</b>   |
| <b>Capital Contributions</b>  |                    |                    |                    |
| Grants from US Government   | 70,723             | 1,851,839          | (1,781,116)        |
| Grants from GovGuam & Others  | 111,660            | -                  | 111,660            |
| Total Capital Contributions   | 182,383            | 1,851,839          | (1,669,456)        |
| <b>Change in Net Assets</b>   | <b>310,393</b>     | <b>2,510,874</b>   | <b>(2,200,482)</b> |
| <b>Debt Service Calculation</b>                                     |                    |                    |                    |
| Earnings From Operations  | 1,739,802          | 305,060            |                    |
| System Development Charge   | (36,743)           | (341,583)          |                    |
| Retiree COLA  | 58,458             | 56,100             |                    |
| Interest/Investment Income  | 171,742            | 125,781            |                    |
| Depreciation  | 2,383,892          | 2,418,760          |                    |
| Plus withdrawals (deposits) to Rate Stabilization Fund              | -                  | -                  |                    |
| ARPA Grant  | -                  | 1,800,000          |                    |
| <b>Balance Available for Debt Service per Section 6.12</b>          | <b>4,317,151</b>   | <b>4,364,119</b>   |                    |
| <b>Debt Service</b>   |                    |                    |                    |
| Principal   | 896,667            | 852,917            |                    |
| Interest  | 2,356,839          | 2,400,140          |                    |
| <b>Total</b>  | <b>3,253,505</b>   | <b>3,253,056</b>   |                    |
| <b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b> | <b>1.33</b>        | <b>1.34</b>        |                    |
| <b>Debt Service Coverage (1.30X) (PUC)</b>                          | <b>1.33</b>        | <b>1.34</b>        |                    |

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative Budget vs. Actual for the period ending April 30, 2024**

SCHEDULE D

|   | Actual (Unaudited)<br>April-24 | Year to Date<br>Budget<br>April-24 | Variance<br>Favorable /<br>(Unfavorable) |
|---|--------------------------------|------------------------------------|--|
| <b>OPERATING REVENUES</b>   |                                |                                    |  |
| Water Revenues  | 46,347,691                     | 46,946,442                         | (598,751)                                |
| Wastewater Revenues   | 25,690,770                     | 25,567,954                         | 122,816                                  |
| Legislative Surcharge   | 2,360,526                      | 2,295,616                          | 64,911                                   |
| Other Revenues  | 269,000                        | 276,675                            | (7,675)                                  |
| System Development Charge   | 938,731                        | 714,000                            | 224,731                                  |
| <b>Total Operating Revenues</b>                                     | <b>75,606,718</b>              | <b>75,800,687</b>                  | <b>(193,968)</b>                         |
| <b>OPERATING AND MAINTENANCE EXPENSES</b>                           |                                |                                    |  |
| Water Purchases   | 6,995,251                      | 3,441,667                          | (3,553,585)                              |
| Power Purchases   | 12,368,241                     | 13,545,915                         | 1,177,674                                |
| Total Utility Costs   | 19,363,492                     | 16,987,581                         | (2,375,911)                              |
| Salaries and Wages  | 11,262,973                     | 12,778,923                         | 1,515,950                                |
| Pension and Benefits  | 4,681,249                      | 4,549,137                          | (132,111)                                |
| Total Salaries and Benefits   | 15,944,222                     | 17,328,061                         | 1,383,839                                |
| Capitalized Labor and Benefits                                      | (1,716,254)                    | (2,426,165)                        | (709,911)                                |
| Net Salaries and Benefits   | 14,227,968                     | 14,901,896                         | 673,928                                  |
| <b>Administrative and General Expenses</b>                          |                                |                                    |  |
| Sludge removal  | 651,696                        | 195,951                            | (455,745)                                |
| Chemicals   | 762,740                        | 1,119,610                          | 356,870                                  |
| Materials & Supplies  | 697,216                        | 1,449,580                          | 752,364                                  |
| Transportation  | 271,582                        | 452,060                            | 180,478                                  |
| Communications  | 64,369                         | 92,873                             | 28,504                                   |
| Claims  | -                              | 104,417                            | 104,417                                  |
| Insurance   | 1,030,932                      | 1,129,333                          | 98,401                                   |
| Training & Travel   | 127,658                        | 117,340                            | (10,318)                                 |
| Advertising   | 13,831                         | 78,391                             | 64,560                                   |
| Miscellaneous   | 918,609                        | 783,945                            | (134,664)                                |
| Regulatory Expense  | 100,545                        | 127,750                            | 27,205                                   |
| Bad Debts Provision   | 170,952                        | 1,319,638                          | 1,148,686                                |
| Total Administrative and General Expense                            | 4,810,131                      | 6,970,888                          | 2,160,757                                |
| <b>Depreciation Expense</b>   | <b>16,785,856</b>              | <b>16,809,961</b>                  | <b>24,105</b>                            |
| <b>Contractual Expense</b>  |                                |                                    |  |
| Audit & Computer Maintenance  | 981,308                        | 1,160,400                          | 179,091                                  |
| Building rental   | 341,222                        | 351,846                            | 10,624                                   |
| Equipment rental  | 209,525                        | 327,420                            | 117,894                                  |
| Legal   | 130,018                        | 875,000                            | 744,982                                  |
| Laboratory  | 372,741                        | 306,804                            | (65,937)                                 |
| Other   | 652,039                        | 1,332,819                          | 680,780                                  |
| Total Contractual Expense   | 2,686,854                      | 4,354,288                          | 1,667,434                                |
| Retiree Supp. Annuities and health care costs                       | 1,876,307                      | 1,765,115                          | (111,192)                                |
| Contribution to Government of Guam                                  | 409,208                        | 425,662                            | 16,453                                   |
| Total Retiree Benefits  | 2,285,515                      | 2,190,777                          | (94,739)                                 |
| <b>Total Operating Expenses</b>                                     | <b>60,159,816</b>              | <b>62,215,391</b>                  | <b>2,055,575</b>                         |
| <b>Earnings (Loss) from Operations</b>                              | <b>15,446,902</b>              | <b>13,585,296</b>                  | <b>1,861,607</b>                         |
| Interest Income - 2010/13/14/16/17/20 Series Bond                   | 6,223,037                      | 4,529,028                          | 1,694,009                                |
| Interest Income - Other Funds                                       | 1,423,632                      | 160,417                            | 1,263,215                                |
| Interest Income - SDC   | 113,939                        | 6,111                              | 107,828                                  |
| Interest Expense - 2010/13/14/16/17/20 Series Bond                  | (16,497,871)                   | (16,497,871)                       | -  |
| Contributions from Local Government                                 | -                              | -                                  | -  |
| Loss on Asset Disposal  | (239,497)                      | (395,492)                          | 155,995                                  |
| Amortization of Discount, Premium and Issuance Costs                | 1,094,443                      | 869,596                            | 224,847                                  |
| Defeasance due to bond refunding                                    | (1,181,568)                    | (1,193,145)                        | 11,577                                   |
| Prior Year Adjustment   | (35,235)                       | (50,604)                           | 15,369                                   |
| Total non-operating revenues (expenses)                             | (9,099,120)                    | (12,571,960)                       | 3,472,840                                |
| <b>Net Income (Loss) before capital contributions</b>               | <b>6,347,782</b>               | <b>1,013,336</b>                   | <b>5,334,446</b>                         |
| <b>Capital Contributions</b>  |                                |                                    |  |
| Grants from US Government   | 1,648,061                      | 11,805,056                         | (10,156,995)                             |
| Grants from GovGuam & Others  | 143,029                        | 62,560                             | 80,470                                   |
| Total Capital Contributions   | 1,791,090                      | 11,867,616                         | (10,076,526)                             |
| <b>Change in Net Assets</b>   | <b>8,138,873</b>               | <b>12,880,952</b>                  | <b>(4,742,079)</b>                       |
| <b>Debt Service Calculation</b>                                     |                                |                                    |  |
| Earnings From Operations  | 15,446,902                     | 13,585,296                         |  |
| System Development Charge   | (938,731)                      | (714,000)                          |  |
| Retiree COLA  | 409,208                        | 425,662                            |  |
| Interest/Investment Income  | 1,423,632                      | 160,417                            |  |
| Depreciation  | 16,785,856                     | 16,809,961                         |  |
| Plus withdrawals (deposits) to Rate Stabilization Fund              | -                              | 554,167                            |  |
| ARPA Grant  | -                              | -                                  |  |
| <b>Balance Available for Debt Service per Section 6.12</b>          | <b>33,126,867</b>              | <b>30,821,501</b>                  |  |
| <b>Debt Service</b>   |                                |                                    |  |
| Principal   | 6,276,667                      | 6,276,667                          |  |
| Interest  | 16,497,871                     | 16,497,871                         |  |
| <b>Total</b>  | <b>22,774,538</b>              | <b>22,774,538</b>                  |  |
| <b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b> | <b>1.45</b>                    | <b>1.35</b>                        |  |
| <b>Debt Service Coverage (1.30X) (PUC)</b>                          | <b>1.45</b>                    | <b>1.35</b>                        |  |

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative for the period ending April 30, 2024 and 2023**

**SCHEDULE E**

|   | Year to Date       |                    | Variance           |
|---|--------------------|--------------------|--------------------|
|   | Actual (Unaudited) | Actual (Unaudited) | Increase /         |
|   | April-24           | April-23           | (Decrease)         |
| <b>OPERATING REVENUES</b>   |                    |                    |                    |
| Water Revenues  | 46,347,691         | 39,245,621         | 7,102,070          |
| Wastewater Revenues   | 25,690,770         | 21,654,697         | 4,036,073          |
| Legislative Surcharge   | 2,360,526          | 1,828,130          | 532,396            |
| Other Revenues  | 269,000            | 347,988            | (78,988)           |
| System Development Charge   | 938,731            | 1,040,554          | (101,823)          |
| <b>Total Operating Revenues</b>                                     | <b>75,606,718</b>  | <b>64,116,990</b>  | <b>11,489,729</b>  |
| <b>OPERATING AND MAINTENANCE EXPENSES</b>                           |                    |                    |                    |
| Water Purchases   | 6,995,251          | 3,839,071          | 3,156,180          |
| Power Purchases   | 12,368,241         | 16,031,566         | (3,663,325)        |
| Total Utility Costs   | 19,363,492         | 19,870,637         | (507,145)          |
| Salaries and Wages  | 11,262,973         | 11,175,077         | 87,896             |
| Pension and Benefits  | 4,681,249          | 4,366,869          | 314,380            |
| Total Salaries and Benefits   | 15,944,222         | 15,541,946         | 402,276            |
| Capitalized Labor and Benefits                                      | (1,716,254)        | (1,586,423)        | (129,831)          |
| Net Salaries and Benefits   | 14,227,968         | 13,955,523         | 272,446            |
| <b>Administrative and General Expenses</b>                          |                    |                    |                    |
| Sludge removal  | 651,696            | 369,619            | 282,077            |
| Chemicals   | 762,740            | 786,374            | (23,634)           |
| Materials & Supplies  | 697,216            | 766,353            | (69,137)           |
| Transportation  | 271,582            | 317,425            | (45,843)           |
| Communications  | 64,369             | 71,330             | (6,961)            |
| Claims  | -                  | 28,307             | (28,307)           |
| Insurance   | 1,030,932          | 1,035,488          | (4,556)            |
| Training & Travel   | 127,658            | 56,833             | 70,825             |
| Advertising   | 13,831             | 38,099             | (24,268)           |
| Miscellaneous   | 918,609            | 704,637            | 213,973            |
| Regulatory Expense  | 100,545            | 117,162            | (16,617)           |
| Bad Debts Provision   | 170,952            | 1,254,569          | (1,083,617)        |
| Total Administrative and General Expense                            | 4,810,131          | 5,546,194          | (736,063)          |
| <b>Depreciation Expense</b>   | <b>16,785,856</b>  | <b>16,681,663</b>  | <b>104,193</b>     |
| <b>Contractual Expense</b>  |                    |                    |                    |
| Audit & Computer Maintenance  | 981,308            | 1,155,451          | (174,143)          |
| Building rental   | 341,222            | 337,075            | 4,147              |
| Equipment rental  | 209,525            | 289,806            | (80,281)           |
| Legal   | 130,018            | 430,843            | (300,825)          |
| Laboratory  | 372,741            | 170,357            | 202,384            |
| Other   | 652,039            | 960,446            | (308,407)          |
| Total Contractual Expense   | 2,686,854          | 3,343,980          | (657,125)          |
| Retiree Supp. Annuities and health care costs                       | 1,876,307          | 1,671,267          | 205,040            |
| Contribution to Government of Guam                                  | 409,208            | 392,700            | 16,508             |
| Total Retiree Benefits  | 2,285,515          | 2,063,967          | 221,549            |
| <b>Total Operating Expenses</b>                                     | <b>60,159,816</b>  | <b>61,461,962</b>  | <b>(1,302,146)</b> |
| <b>Earnings (Loss) from Operations</b>                              | <b>15,446,902</b>  | <b>2,655,027</b>   | <b>12,791,875</b>  |
| Interest Income - 2010/13/14/16/17/20 Series Bond                   | 6,223,037          | 5,082,134          | 1,140,904          |
| Interest Income - Other Funds                                       | 1,423,632          | 729,528            | 694,104            |
| Interest Income - SDC   | 113,939            | 26,077             | 87,862             |
| Interest Expense - 2010/13/14/16/17/20 Series Bond                  | (16,497,871)       | (16,800,979)       | 303,107            |
| Interest Expense - Leases and Subscription IT                       | -                  | -                  | -                  |
| Contributions from Local Government                                 | -                  | 8,800,000          | (8,800,000)        |
| Federal Expenditures  | -                  | -                  | -                  |
| Loss on Asset Disposal  | (239,497)          | (225,995)          | (13,502)           |
| Legal settlements   | -                  | -                  | -                  |
| Amortization of Discount, Premium and Issuance Costs                | 1,094,443          | 869,596            | 224,847            |
| Defeasance due to bond refunding                                    | (1,181,568)        | (1,193,145)        | 11,577             |
| Deferred outflows from pension                                      | -                  | -                  | -                  |
| Prior Year Adjustment   | (35,235)           | (151,145)          | 115,910            |
| Total non-operating revenues (expenses)                             | (9,099,120)        | (2,863,928)        | (6,235,191)        |
| <b>Net Income (Loss) before capital contributions</b>               | <b>6,347,782</b>   | <b>(208,901)</b>   | <b>6,556,683</b>   |
| <b>Capital Contributions</b>  |                    |                    |                    |
| Grants from US Government   | 1,648,061          | 10,145,255         | (8,497,194)        |
| Grants from GovGuam & Others  | 143,029            | 35,749             | 107,281            |
| Total Capital Contributions   | 1,791,090          | 10,181,003         | (8,389,913)        |
| <b>Change in Net Assets</b>   | <b>8,138,873</b>   | <b>9,972,102</b>   | <b>(1,833,229)</b> |
| <b>Debt Service Calculation</b>                                     |                    |                    |                    |
| Earnings From Operations  | 15,446,902         | 2,655,027          |                    |
| System Development Charge   | (938,731)          | (1,040,554)        |                    |
| Retiree COLA  | 409,208            | 392,700            |                    |
| Interest/Investment Income  | 1,423,632          | 729,528            |                    |
| Depreciation  | 16,785,856         | 16,681,663         |                    |
| Plus withdrawals (deposits) to Rate Stabilization Fund              | -                  | 2,550,000          |                    |
| ARPA Grant  | -                  | 8,800,000          |                    |
| <b>Balance Available for Debt Service per Section 6.12</b>          | <b>33,126,867</b>  | <b>30,768,364</b>  |                    |
| <b>Debt Service</b>   |                    |                    |                    |
| Principal   | 6,276,667          | 5,970,417          |                    |
| Interest  | 16,497,871         | 16,800,979         |                    |
| <b>Total</b>  | <b>22,774,538</b>  | <b>22,771,395</b>  |                    |
| <b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b> | <b>1.45</b>        | <b>1.35</b>        |                    |
| <b>Debt Service Coverage (1.30X) (PUC)</b>                          | <b>1.45</b>        | <b>1.35</b>        |                    |

## SCHEDULE F

**Guam Waterworks Authority**  
**Statement of Cash Flows (Unaudited)**  
**FY2024**

|  | YTD<br>Apr-24       | YTD<br>Sep-23       | Increase<br>(Decrease) |
|--|---------------------|---------------------|------------------------|
| <b>Cash flows from operating activities:</b>                                   |                     |                     |                        |
| Cash received from trade and others  | 69,851,935          | 109,423,799         | (39,571,864)           |
| Cash payments to suppliers/contractors for goods and services                  | (19,762,166)        | (46,036,276)        | 26,274,110             |
| Cash payments to employees for services  | (15,648,504)        | (14,198,864)        | (1,449,640)            |
| Cash payments for retiree healthcare costs and other benefits                  | (2,285,515)         | (3,560,495)         | 1,274,980              |
| <b>Net cash provided by operating activities</b>                               | <b>32,155,749</b>   | <b>45,628,164</b>   | <b>(13,472,415)</b>    |
| <b>Cash flows from noncapital financing activities:</b>                        |                     |                     |                        |
| Receipts from the Local Government operating grant                             | -                   | 12,400,000          | (12,400,000)           |
| Proceeds from legal settlement   | -                   | 950,000             | (950,000)              |
|  | -                   | 13,350,000          | (13,350,000)           |
| <b>Cash flows from capital and related financing activities:</b>               |                     |                     |                        |
| Contributed capital received (grants)  | 3,011,313           | 9,843,758           | (6,832,445)            |
| Acquisition of utility plant   | (11,569,202)        | (41,331,452)        | 29,762,250             |
| Repayment of Long Term Debt  | 87,125              | (10,235,000)        | 10,322,125             |
| Interest expense   | (14,263,392)        | (28,801,678)        | 14,538,286             |
| <b>Net cash provided by (used in) capital and related financing activities</b> | <b>(22,734,157)</b> | <b>(70,524,372)</b> | <b>47,790,215</b>      |
| <b>Cash flows from investing activities:</b>                                   |                     |                     |                        |
| Transfers from (to) restricted fund  | (14,460,833)        | 11,442,493          | (25,903,326)           |
| Interest income received   | 7,760,608           | 11,604,779          | (3,844,171)            |
| <b>Net cash provided by investing activities</b>                               | <b>(6,700,225)</b>  | <b>23,047,272</b>   | <b>(29,747,497)</b>    |
| <b>Net increase (decrease) in cash</b>   | <b>2,721,367</b>    | <b>11,501,064</b>   | <b>(8,779,697)</b>     |
| <b>Unrestricted cash at beginning of the period</b>                            | <b>50,324,888</b>   | <b>38,823,824</b>   | <b>11,501,063</b>      |
| <b>Unrestricted cash at end of period</b>                                      | <b>53,046,255</b>   | <b>50,324,888</b>   | <b>2,721,367</b>       |
| Reconciliation of operating loss to net cash provided by operating activities: |                     |                     |                        |
| <b>Operating Income (loss)</b>   | <b>15,446,902</b>   | <b>3,208,386</b>    | <b>12,238,516</b>      |
| Adjustments to reconcile to net cash provided by operating activities:         |                     |                     |                        |
| Depreciation expense   | 16,785,856          | 30,911,997          | (14,126,141)           |
| Bad debts (recovery)   | 170,952             | 421,467             | (250,515)              |
| Capitalized labor and benefits   | (1,716,254)         | (3,075,928)         | 1,359,674              |
| Other Non-cash adjustments   |                     | (323,071)           | 323,071                |
| (Increase) decrease in assets:   |                     |                     |                        |
| Accounts receivable  | (5,783,294)         | 1,249,367           | (7,032,661)            |
| Materials and supplies inventory   | 104,509             | (623,993)           | 728,502                |
| Prepaid expenses   | 644,381             | 526,069             | 118,312                |
| Regulatory Assets  | -                   | (62,188)            | 62,188                 |
| Increase (decrease) in liabilities:  |                     |                     |                        |
| Accounts payable   | (207,633)           | (177,966)           | (29,667)               |
| Accrued payroll and employee benefits  | 295,717             | 13,098,151          | (12,802,434)           |
| Customer deposits  | 28,511              | (6,345)             | 34,856                 |
| Other liabilities  | 6,386,102           | 482,218             | 5,903,884              |
| <b>Net cash provided by operating activities</b>                               | <b>32,155,749</b>   | <b>45,628,164</b>   | <b>(13,472,414)</b>    |

**GUAM WATERWORKS AUTHORITY**  
**Restricted and Unrestricted Cash Summary**  
**FY2024**

**SCHEDULE G**

| Description   | Unaudited<br>April 30, 2024 | Unaudited<br>September 30, 2023 | Increase<br>(Decrease) |
|---|-----------------------------|---------------------------------|------------------------|
| <b>UNRESTRICTED</b>                                 |                             |                                 |                        |
| Change Fund   | 2,000                       | 2,000                           | -                      |
| Petty Cash  | 3,930                       | 3,930                           | -                      |
| BOG Deposit Accounts                                | 29,158,429                  | 26,112,801                      | 3,045,628              |
| BOG O & M Reserve                                   | 14,903,334                  | 14,477,230                      | 426,104                |
| BOG CapEx Fund                                      | 8,028,562                   | 8,778,927                       | (750,365)              |
| BOG Rate Stabilization Fund                         | 950,000                     | 950,000                         | -                      |
| <b>Sub-total Unrestricted</b>                       | <b>53,046,255</b>           | <b>50,324,888</b>               | <b>2,721,367</b>       |
| <b>RESTRICTED</b>                                   |                             |                                 |                        |
| Bank Pacific  | 8,592                       | 6,345                           | 2,246                  |
| Bank of Hawaii                                      | 253,650                     | 167,390                         | 86,260                 |
| Community First FCU                                 | 1,503                       | 2,538                           | (1,035)                |
| First Hawaiian Bank                                 | 84,852                      | 82,921                          | 1,931                  |
| Bank Pacific Surcharge                              | 2,197,723                   | 6,863                           | 2,190,860              |
| Bank Pacific Escrow Deposit                         | 958,767                     | 958,711                         | 56                     |
| BOG Customer Refunds                                | 2,270,555                   | 2,157,517                       | 113,039                |
| BOG Sewer Hookup Revolving Fund                     | 2,143,638                   | 2,079,769                       | 63,868                 |
| BOG Operation and Maintenance Fund                  | 3,083,482                   | 3,083,482                       | -                      |
| BOG Revenue Trust                                   | 809,474                     | (137,922)                       | 947,397                |
| BOG Revenue Trust Fund                              | 7,809,291                   | 10,471,820                      | (2,662,529)            |
| BOG Capital Improvement Revenue Fund                | 13,562,039                  | 8,452,503                       | 5,109,535              |
|   | <b>33,183,566</b>           | <b>27,331,937</b>               | <b>5,851,629</b>       |
| BOG - SDC Deposit                                   | 1,190,670                   | 1,125,796                       | 64,875                 |
| BOG - SDC CDs                                       | 5,250,000                   | 4,250,000                       | 1,000,000              |
| <b>Total SDC</b>                                    | <b>6,440,670</b>            | <b>5,375,796</b>                | <b>1,064,875</b>       |
| <b>Total Restricted</b>                             | <b>39,624,237</b>           | <b>32,707,733</b>               | <b>6,916,504</b>       |
| <b>Reserve Funds</b>                                |                             |                                 |                        |
| BOG Series 2013 Construction Fund                   | 3,475,325                   | 3,459,448                       | 15,877                 |
| BOG Series 2016 Construction Fund                   | 23,282,481                  | 27,091,177                      | (3,808,697)            |
| BOG Series 2017 Refunding Construction Fund         | 3,634,447                   | 3,648,718                       | (14,271)               |
| BOG Series 2020A Construction Fund                  | 112,453,551                 | 111,457,380                     | 996,171                |
| BOG CIF-Construction Fund Transfers                 | 4,848,695                   | 4,710,065                       | 138,630                |
| <b>Total Restricted - Held by Trustee</b>           | <b>147,694,498</b>          | <b>150,366,788</b>              | <b>(2,672,290)</b>     |
| BOG OMRRRF Fund                                     | 19,560,351                  | 17,423,213                      | 2,137,138              |
| USB Series 2013 Debt Service Fund                   | 3,204,203                   | 1,494,615                       | 1,709,587              |
| USB Series 2013 Debt Service Reserve Fund           | 12,031,688                  | 12,031,688                      | -                      |
| USB Series 2014 Refunding Debt Service Reserve Fund | 13,004,044                  | 10,100,975                      | 2,903,069              |
| USB Series 2016 Debt Service Fund                   | 2,900,821                   | 2,061,782                       | 839,039                |
| USB Series 2016 Debt Service Reserve Fund           | 7,591,999                   | 7,591,999                       | -                      |
| USB Series 2017 Refunding Debt Service Reserve Fund | 7,566,460                   | 7,566,460                       | -                      |
| USB Series 2017 Debt Service Fund                   | 3,632,979                   | 2,015,191                       | 1,617,788              |
| USB Series 2020A Debt Service Fund                  | 2,359,186                   | 1,753,543                       | 605,642                |
| USB Series 2020A Debt Service Reserve Fund          | 6,659,700                   | 6,659,700                       | -                      |
| USB Series 2020B Debt Service Reserve Fund          | 1,944,853                   | 1,540,498                       | 404,355                |
| <b>Total Investments</b>                            | <b>80,456,284</b>           | <b>70,239,665</b>               | <b>10,216,619</b>      |
| <b>Total Restricted and Unrestricted Cash</b>       | <b>320,821,274</b>          | <b>303,639,073</b>              | <b>17,182,201</b>      |



Guam Waterworks Authority  
Accounts Receivable - Government (Active)  
April 30, 2024

SCHEDULE H

| A G I N G   |                    |                |                |                |                |                |                  |
|---|--------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Customer Name                                     | No. of<br>Accounts | Current        | 31 - 60 days   | 61 - 90 days   | 91 - 120 days  | Over 120 days  | Total            |
| <b>Autonomous Agencies (Active)</b>               |                    |                |                |                |                |                |                  |
| Guam Int'l Airport Authority                      | 8                  | 104            | 113            | 103            | 123            | 262,187        | 262,631          |
| Guam Power Authority                              | 25                 | 29,217         | 5,835          | 5,853          | -              | -              | 40,906           |
| Guam Housing & Urban Renewal Authority            | 10                 | 5,964          | -              | -              | -              | -              | 5,964            |
| Port Authority of Guam                            | 6                  | 2,608          | -              | -              | -              | -              | 2,608            |
| Guam Solid Waste Authority                        | 4                  | 858            | 805            | 611            | 17             | -              | 2,290            |
| Guam Housing Corporation                          | 1                  | 46             | -              | -              | -              | -              | 46               |
| <b>Total Autonomous Agencies</b>                  | <b>54</b>          | <b>38,798</b>  | <b>6,752</b>   | <b>6,568</b>   | <b>140</b>     | <b>262,187</b> | <b>314,446</b>   |
| <b>Semi-Autonomous Agencies (Active)</b>          |                    |                |                |                |                |                |                  |
| Guam Memorial Hospital Authority                  | 3                  | 45,922         | 48,009         | 48,598         | 49,333         | 108,528        | 300,390          |
| University of Guam                                | 48                 | 112,548        | -              | -              | -              | -              | 112,548          |
| Guam Environmental Protection Agency              | 2                  | 290            | 1              | -              | -              | -              | 291              |
| <b>Total Semi-Autonomous Agencies</b>             | <b>53</b>          | <b>158,760</b> | <b>48,009</b>  | <b>48,598</b>  | <b>49,333</b>  | <b>108,528</b> | <b>413,228</b>   |
| <b>Line Agencies (Active)</b>                     |                    |                |                |                |                |                |                  |
| Department of Education                           | 51                 | 301,980        | 294,303        | 173,303        | 122,807        | 208,875        | 1,101,269        |
| Department of Corrections                         | 9                  | 126,724        | 101,583        | 3,063          | 880            | -              | 232,248          |
| Department of Parks & Recreation                  | 13                 | 60,374         | 53,202         | 37,045         | 13,190         | 1,372          | 165,183          |
| Department of Public Works                        | 10                 | 21,097         | 18,909         | 3,871          | -              | 245            | 44,123           |
| Department of Agriculture                         | 7                  | 4,608          | 5,341          | 5,957          | 4,931          | 9,845          | 30,682           |
| Guam Fire Department                              | 11                 | 7,265          | 7,682          | 9,168          | 2,333          | 521            | 26,969           |
| Department of Public Health & Social Services     | 9                  | 4,448          | 3,085          | 1,700          | 1,676          | 5,731          | 16,641           |
| Guam Police Department                            | 9                  | 4,272          | 5,140          | 1,980          | 727            | 158            | 12,277           |
| Department of Military Affairs/GUARNG             | 1                  | -              | 2,642          | 5,739          | 0              | -              | 8,381            |
| Department of Chamorro Affairs                    | 7                  | 4,100          | 330            | -              | -              | -              | 4,429            |
| Guam Veterans Affairs Office                      | 2                  | 1,054          | 911            | 821            | 249            | -              | 3,036            |
| Department of Mental Health And Substance         | 4                  | 2,076          | 405            | 167            | -              | -              | 2,648            |
| Office of the Governor                            | 2                  | 1,662          | 629            | -              | -              | -              | 2,291            |
| Department of Administration                      | 3                  | 1,471          | 133            | -              | -              | -              | 1,605            |
| Department of Customs & Quarantine                | 1                  | 528            | 528            | 528            | -              | -              | 1,584            |
| Guam Visitors Bureau                              | 2                  | 1,130          | -              | -              | -              | -              | 1,130            |
| Guam Homeland Security/Civil Defense              | 1                  | 1,079          | -              | -              | -              | -              | 1,079            |
| Guam Public Library                               | 6                  | 680            | 128            | -              | -              | -              | 807              |
| Guam Energy Office                                | 1                  | 217            | -              | -              | -              | -              | 217              |
| Office of Technology                              | 1                  | 192            | -              | -              | -              | -              | 192              |
| Department of Youth Affairs                       | 3                  | 128            | -              | -              | -              | -              | 128              |
| Department of Administration                      | 1                  | 92             | -              | -              | -              | -              | 92               |
| <b>Total Line Agencies</b>                        | <b>154</b>         | <b>545,177</b> | <b>494,951</b> | <b>243,342</b> | <b>146,793</b> | <b>226,748</b> | <b>1,657,010</b> |
| <b>Other Government of Guam Entities (Active)</b> |                    |                |                |                |                |                |                  |
| Mayors Council of Guam                            | 63                 | 20,933         | 15,921         | 11,195         | 8,930          | 16,541         | 73,519           |
| The Office of the Dededo Mayor                    | 1                  | 374            | 576            | 953            | -              | -              | 1,903            |
| Merizo Mayor                                      | 1                  | 101            | 102            | -              | -              | -              | 203              |
| <b>Total Other Government of Guam Entities</b>    | <b>65</b>          | <b>21,409</b>  | <b>16,598</b>  | <b>12,148</b>  | <b>8,930</b>   | <b>16,541</b>  | <b>75,625</b>    |
| <b>Total as of April 30, 2024 (Active)</b>        | <b>326</b>         | <b>764,144</b> | <b>566,311</b> | <b>310,656</b> | <b>205,196</b> | <b>614,004</b> | <b>2,460,310</b> |

## GWA Work Session - May 21, 2024 - GWA GM REPORT

GUAM WATERWORKS AUTHORITY  
Accounts Receivable Aging Summary by Rate Class  
As of April 30, 2024

SCHEDULE I

## ACTIVE AND INACTIVE

| Rate Class     | A G I N G          |                   |                  |                  |                |                  |                   |             |
|----------------|--------------------|-------------------|------------------|------------------|----------------|------------------|-------------------|-------------|
|                | No. of<br>Accounts | Current           | 31 - 60 days     | 61 - 90 days     | 91 - 120 days  | Over 120 days    | Total             |             |
| Government     | 444                | \$ 2,429,032      | \$ 3,615,051     | \$ 351,348       | \$ 208,810     | \$ 834,996       | \$ 7,439,236      | 29%         |
| Agriculture    | 416                | 40,216            | 5,206            | 9,335            | 3,982          | 29,288           | 88,028            | 0%          |
| Commercial I   | 2,701              | 1,469,655         | 220,204          | 102,705          | 30,785         | 577,687          | 2,401,036         | 9%          |
| Commercial II  | 53                 | 276,282           | 82,015           | 4,519            | -              | 80,916           | 443,732           | 2%          |
| Commercial III | 289                | 590,940           | 89,530           | 92,994           | 20,505         | 420,022          | 1,213,991         | 5%          |
| Golf Course    | 14                 | 14,330            | 106              | 106              | 5              | -                | 14,546            | 0%          |
| Hotel          | 56                 | 1,848,587         | 99,857           | 39,536           | 18,129         | 702,879          | 2,708,988         | 11%         |
| Irrigation     | 31                 | 3,422             | 535              | 45               | -              | 1,295            | 5,298             | 0%          |
| Residential    | 47,800             | 4,133,340         | 960,378          | 462,252          | 314,133        | 5,603,040        | 11,473,143        | 44%         |
|                | <b>51,804</b>      | <b>10,805,804</b> | <b>5,072,882</b> | <b>1,062,841</b> | <b>596,349</b> | <b>8,250,123</b> | <b>25,787,999</b> | <b>100%</b> |
|                |                    | 42%               | 20%              | 4%               | 2%             | 32%              |                   |             |

Less Allowance for Doubtful Accounts: (9,582,684)  
Net Accounts Receivable: **16,205,315**

Days Receivables Outstanding

As of March 31, 2024

| Rate Class     | A G I N G          |                   |                  |                  |                |                  |                   |             |
|----------------|--------------------|-------------------|------------------|------------------|----------------|------------------|-------------------|-------------|
|                | No. of<br>Accounts | Current           | 31 - 60 days     | 61 - 90 days     | 91 - 120 days  | Over 120 days    | Total             |             |
| Government     | 442                | \$ 3,365,199      | \$ 692,995       | \$ 469,284       | \$ 176,571     | \$ 779,605       | \$ 5,483,654      | 22%         |
| Agriculture    | 419                | 34,218            | 15,457           | 6,828            | 4,390          | 29,055           | 89,948            | 0%          |
| Commercial I   | 2,695              | 1,501,087         | 205,375          | 37,894           | 82,678         | 560,701          | 2,387,735         | 10%         |
| Commercial II  | 52                 | 350,386           | 27,585           | 4,156            | 185            | 80,916           | 463,229           | 2%          |
| Commercial III | 289                | 664,084           | 136,540          | 41,052           | 95,864         | 340,782          | 1,278,321         | 5%          |
| Golf Course    | 16                 | 14,569            | 408              | 283              | 267            | 5,677            | 21,203            | 0%          |
| Hotel          | 55                 | 2,076,741         | 188,061          | 27,771           | 34,119         | 698,806          | 3,025,499         | 12%         |
| Irrigation     | 32                 | 3,255             | 387              | 372              | 71             | 1,295            | 5,379             | 0%          |
| Residential    | 47,672             | 4,554,209         | 853,795          | 470,572          | 300,526        | 5,570,224        | 11,749,326        | 48%         |
|                | <b>51,672</b>      | <b>12,563,747</b> | <b>2,120,602</b> | <b>1,058,211</b> | <b>694,673</b> | <b>8,067,061</b> | <b>24,504,294</b> | <b>100%</b> |
|                |                    | 51%               | 9%               | 4%               | 3%             | 33%              |                   |             |

Less Allowance for Doubtful Accounts: (9,582,684)  
Net Accounts Receivable: **14,921,610**

Days Receivables Outstanding

## ACTIVE ONLY

| Rate Class     | A G I N G          |                  |                  |                |                |                  |                   |             |
|----------------|--------------------|------------------|------------------|----------------|----------------|------------------|-------------------|-------------|
|                | No. of<br>Accounts | Current          | 31 - 60 days     | 61 - 90 days   | 91 - 120 days  | Over 120 days    | Total             |             |
| Government     | 443                | \$ 1,351,620     | \$ 3,615,051     | \$ 351,348     | \$ 208,810     | \$ 833,105       | \$ 6,359,934      | 33%         |
| Agriculture    | 393                | 40,092           | 5,024            | 5,233          | 461            | 1,946            | 52,757            | 0%          |
| Commercial I   | 2,562              | 1,462,503        | 219,643          | 97,416         | 29,910         | 341,266          | 2,150,737         | 11%         |
| Commercial II  | 38                 | 276,282          | 82,015           | 4,519          | -              | 80,916           | 443,732           | 2%          |
| Commercial III | 274                | 590,906          | 89,487           | 90,879         | 19,836         | 378,722          | 1,169,831         | 6%          |
| Golf Course    | 12                 | 14,224           | -                | -              | -              | -                | 14,224            | 0%          |
| Hotel          | 53                 | 1,840,217        | 99,857           | 39,536         | 18,129         | 62,357           | 2,060,096         | 11%         |
| Irrigation     | 30                 | 3,422            | 535              | 45             | -              | -                | 4,003             | 0%          |
| Residential    | 40,266             | 4,064,395        | 918,846          | 386,167        | 246,646        | 1,559,116        | 7,175,170         | 37%         |
|                | <b>44,071</b>      | <b>9,643,662</b> | <b>5,030,457</b> | <b>975,144</b> | <b>523,792</b> | <b>3,257,428</b> | <b>19,430,483</b> | <b>100%</b> |
|                |                    | 50%              | 26%              | 5%             | 3%             | 17%              |                   |             |

Less Allowance for Doubtful Accounts: (9,582,684)  
Net Accounts Receivable: **9,847,799**

| Rate Class     | A G I N G          |                   |                  |                |                |                  |                   |             |
|----------------|--------------------|-------------------|------------------|----------------|----------------|------------------|-------------------|-------------|
|                | No. of<br>Accounts | Current           | 31 - 60 days     | 61 - 90 days   | 91 - 120 days  | Over 120 days    | Total             |             |
| Government     | 441                | \$ 3,365,199      | \$ 692,995       | \$ 469,284     | \$ 176,571     | \$ 777,715       | \$ 5,481,763      | 28%         |
| Agriculture    | 395                | 34,002            | 11,355           | 3,287          | 1,395          | 4,293            | 54,332            | 0%          |
| Commercial I   | 2,557              | 1,500,063         | 199,799          | 36,944         | 79,837         | 304,587          | 2,121,230         | 11%         |
| Commercial II  | 38                 | 350,386           | 27,585           | 4,156          | 185            | 80,916           | 463,229           | 2%          |
| Commercial III | 275                | 664,084           | 134,554          | 40,577         | 92,426         | 302,999          | 1,234,639         | 6%          |
| Golf Course    | 16                 | 14,569            | 408              | 283            | 267            | 5,677            | 21,203            | 0%          |
| Hotel          | 53                 | 2,076,741         | 188,061          | 27,771         | 34,119         | 58,284           | 2,384,977         | 12%         |
| Irrigation     | 31                 | 3,255             | 387              | 372            | 71             | -                | 4,084             | 0%          |
| Residential    | 40,251             | 4,506,657         | 792,642          | 415,266        | 246,368        | 1,603,063        | 7,563,997         | 39%         |
|                | <b>44,057</b>      | <b>12,514,955</b> | <b>2,047,786</b> | <b>997,940</b> | <b>631,239</b> | <b>3,137,534</b> | <b>19,329,454</b> | <b>100%</b> |
|                |                    | 65%               | 11%              | 5%             | 3%             | 16%              |                   |             |

Less Allowance for Doubtful Accounts: (9,582,684)  
Net Accounts Receivable: **9,746,771**

**GUAM WATERWORKS AUTHORITY**  
**Accounts Payable Aging**

**SCHEDULE J**

| As of             | AGING               |                   |                  |                  |                   |                      |  | Days Payable<br>Outstanding |
|-------------------|---------------------|-------------------|------------------|------------------|-------------------|----------------------|--|-----------------------------|
|                   | Current             | 31 - 60 Days      | 61 - 90 Days     | 91 - 120 Days    | > 120 Days        | Total                |  |                             |
| April 30, 2024    | \$ 3,125,861<br>76% | \$ 317,525<br>8%  | \$ 153,581<br>4% | \$ 30,357<br>1%  | \$ 494,726<br>12% | \$ 4,122,050<br>100% |  | 34                          |
| March 31, 2024    | \$ 2,714,584<br>73% | \$ 394,692<br>11% | \$ 70,496<br>2%  | \$ 11,587<br>0%  | \$ 507,461<br>14% | \$ 3,698,819<br>100% |  | 39                          |
| February 29, 2024 | \$ 2,854,347<br>76% | \$ 131,602<br>4%  | \$ 54,758<br>1%  | \$ 138,639<br>4% | \$ 579,365<br>15% | \$ 3,758,711<br>100% |  | 38                          |

GUAM WATERWORKS AUTHORITY  
WATER DEMAND BY RATE CLASS  
FY2015 - FY2024

SCHEDULE K

| CLASS         | AUDITED                                  |  |  |  |  |  |  |                                  | UNAUDITED                                | Annualized<br>Based on 7 months          |
|---------------|--|--|--|--|--|--|--|----------------------------------|--|--|
|               | FY2015<br>TOTAL<br>CONSUMPTION<br>(kGal) | FY2016<br>TOTAL<br>CONSUMPTION<br>(kGal) | FY2017<br>TOTAL<br>CONSUMPTION<br>(kGal) | FY2018<br>TOTAL<br>CONSUMPTION<br>(kGal) | FY2019<br>TOTAL<br>CONSUMPTION<br>(kGal) | FY2020<br>TOTAL<br>CONSUMPTION<br>(kGal) | FY2021<br>TOTAL<br>CONSUMPTION<br>(kGal) | FY2022<br>CONSUMPTION<br>(kGal)* | FY2023<br>TOTAL<br>CONSUMPTION<br>(kGal) | FY2024<br>TOTAL<br>CONSUMPTION<br>(kGal) |
| R Residential | 3,415,662                                | 3,429,689                                | 3,206,811                                | 3,313,613                                | 3,359,905                                | 3,712,723                                | 3,622,617                                | 3,450,574                        | 3,185,230                                | 3,086,609                                |
| C Commercial  | 1,020,089                                | 1,022,890                                | 964,639                                  | 910,905                                  | 906,192                                  | 822,029                                  | 786,054                                  | 818,460                          | 816,393                                  | 849,706                                  |
| F Federal     | 1,168                                    | 1,180                                    | 2,508                                    | 1,813                                    | 1,602                                    | 1,338                                    | 2,069                                    | 1,389                            | 1,099                                    | 1,240                                    |
| G Government  | 515,974                                  | 475,366                                  | 448,430                                  | 450,165                                  | 405,980                                  | 408,502                                  | 404,026                                  | 470,581                          | 445,116                                  | 464,895                                  |
| H Hotel       | 999,116                                  | 1,008,087                                | 1,004,525                                | 989,723                                  | 1,079,919                                | 714,161                                  | 448,034                                  | 462,757                          | 554,767                                  | 612,322                                  |
| G Golf        | 6,850                                    | 6,770                                    | 5,252                                    | 2,741                                    | 2,793                                    | 5,835                                    | 2,855                                    | 3,796                            | 6,415                                    | 909                                      |
| A Agriculture | 67,376                                   | 78,628                                   | 69,482                                   | 81,127                                   | 90,803                                   | 84,492                                   | 68,805                                   | 65,719                           | 49,748                                   | 63,231                                   |
| I Irrigation  | 10,385                                   | 11,351                                   | 10,143                                   | 8,504                                    | 7,896                                    | 8,654                                    | 5,404                                    | 4,888                            | 3,242                                    | 3,424                                    |
| GRAND TOTAL   | 6,036,620                                | 6,033,960                                | 5,711,790                                | 5,758,590                                | 5,855,091                                | 5,757,733                                | 5,339,864                                | 5,278,164                        | 5,062,012                                | 5,082,338                                |

**Guam Waterworks Authority**  
**System Development Charges Project Status**  
**As of April 30, 2024**

**SCHEDULE L**

**Funding Summary**

|   |                     |
|---|---------------------|
| Total available project funds               | \$ 18,582,433       |
| Total project expenditures and encumbrances | 12,445,814          |
| Total unobligated project funds             | <b>\$ 6,136,620</b> |

**Projects Funded**

| <b>Project Description</b>                                | <b>Expenditures</b>  | <b>Outstanding<br/>Encumbrances</b> | <b>Expenditures and<br/>Encumbrances</b> |
|---|----------------------|-------------------------------------|--|
| Agat-Santa Rita Wastewater Treatment Plant Replacement    | 1,202,006            | -                                   | 1,202,006                                |
| Baza Gardens Wastewater Cross Island Pumping & Conveyance | 1,151,116            | 2,854                               | 1,153,971                                |
| Central Guam Reservoirs                                   | 276,008              | 4,032                               | 280,040                                  |
| Line Replacement Phase IV                                 | 256,937              | -                                   | 256,937                                  |
| Northern District WWTP                                    | 7,552,513            | -                                   | 7,552,513                                |
| Northern District WWTP (Land Purchase)                    | 1,000,000            | -                                   | 1,000,000                                |
| Route 4 Relief Sewerline Rehab & Replacement              | 519,227              | -                                   | 519,227                                  |
| South Paulino Heights Waterline Upgrade                   | 84,056               | 4,714                               | 88,770                                   |
| Talofofo Sewer Improvement                                | -                    | 241,142                             | 241,142                                  |
| Groundwater Well Production Meter Rep.                    | 143,647              | 7,560                               | 151,207                                  |
|   | <b>\$ 12,185,510</b> | <b>\$ 260,303</b>                   | <b>\$ 12,445,814</b>                     |

**Future planned projects**

**FY 2024-2025**

|  |                     |
|--|---------------------|
| Water Distribution System Pipe Replacement & Upgrades          | 500,000             |
| Capacity Enhancement - Well Development and Construction Progr | 394,000             |
| Well Repair Program  | 200,000             |
|  | <b>\$ 1,094,000</b> |

GWA Work Session - May 21, 2024 - GWA GM REPORT

|                             |    |                      |   |
|-----------------------------|----|----------------------|---|
| Guam Waterworks Authority   |    | Date: 5/1/2024       | <br><b>GUAM WATERWORKS AUTHORITY</b><br>WATER DISTRIBUTION FACILITIES REPORT |
|                             |    | Time:                |   |
| <b>REVIEWS</b>              |    |                      |   |
| TOTAL PUMPS INSTALLED       | 69 | OVERALL AVERAGE      | <b>93%</b>  |
| TOTAL PUMPS OPERATIONAL     | 63 | % OF OPERATING PUMPS | <b>91%</b>  |
| TOTAL BOOSTER PUMP STATIONS | 30 |                      |   |

| Northern District   |                   |                 |                       |                         |                     |                             |                 |   |                |  |                |                       |                          |
|---|-------------------|-----------------|-----------------------|-------------------------|---------------------|-----------------------------|-----------------|---|----------------|--|----------------|-----------------------|--------------------------|
| NO:   | FACILITY          | PUMP HORSEPOWER | NO OF INSTALLED PUMPS | NO OF OPERATIONAL PUMPS | PUMP AVAILABILITY % | GENERATOR OPERATIONAL FAULT | ATS MANUAL/AUTO | PUMP UNIT REMARKS   | WORK ORDER NO: | VALVES, ELECTRICAL, STRUCTURAL REMARKS | WORK ORDER NO: | ESTIMATED REPAIR DATE | PUMP AND MOTOR INVENTORY |
| 1   | Yigo              | 20              | 3                     | 2                       | 67%                 | OP                          | A               | Pump 2 offline, pending inspection of stage pump. 5-1-24 pending arrival repair kit for pump. | 1438158        |  |                |                       |                          |
| 2   | Gayinero          | 20              | 2                     | 2                       | 100%                | OP                          | A               |   |                |  |                |                       |                          |
| 3   | Mataguac          | 25              | 2                     | 2                       | 100%                | OP                          | A               |   |                |  |                |                       |                          |
| 4   | Santa Rosa        | 15              | 2                     | 2                       | 100%                | OP                          | A               | Temporay BPS online. Main BPS under construction  |                |  |                |                       |                          |
| 5   | Barrigada 2M      | 40              | 2                     | 2                       | 100%                | OP                          | A               |   |                |  |                |                       |                          |
| 6   | Barrigada Hieghts | 30              | 6                     | 6                       | 100%                | OP                          | A               |   |                |  |                |                       |                          |
| 7   | Chln. Palauan     | 5               | 2                     | 2                       | 100%                | N/A                         | N/A             |   |                |  |                |                       |                          |
| 8   | Access            | 60              | 2                     | 1                       | 50%                 | OP                          | A               | 5-1-24 Motor repaired, pending installation   | 1434788        |  |                |                       |                          |
| 9   | Agana Hieghts     | 30              | 3                     | 2                       | 67%                 | OP                          | A               | Motor refurbished, bearings replaced  | 101210         |  |                |                       |                          |
| 10  | Nimitz Hill       | 7.5             | 2                     | 2                       | 100%                | N/A                         |                 |   |                |  |                |                       |                          |
| 11  | Adawag            | 1.5             | 2                     | 1                       | 50%                 | N/A                         | N/A             | Inspection needed for pump 2 due to discharge pressure inadequate                             | 1438165        |  |                |                       |                          |
| 12  | Pale Kiren        | 1               | 1                     | 1                       | 100%                | N/A                         | N/A             |   |                |  |                |                       |                          |
| 13  | Ulloa/Untalan     | 1               | 2                     | 1                       | 50%                 | OP                          | A               | Inspection needed for pump 1 due to control tripping off.                                     | 1438166        |  |                |                       |                          |
| 14  | Lette Heights     | 15              | 2                     | 2                       | 100%                | OP                          | A               |   |                |  |                |                       |                          |
| 15  | Asan              | 1.5             | 2                     | 2                       | 100%                | N/A                         | N/A             |   |                |  |                |                       |                          |
| <b>TOTAL = 15</b>   |                   |                 | <b>35</b>             | <b>30</b>               | <b>86%</b>          |                             |                 |   |                |  |                |                       |                          |
| pump availability =no of operational pumps/no of pumps*100% |                   |                 |                       |                         |                     |                             |                 |   |                |  |                |                       |                          |

| Central District  |                   |                 |                       |                         |                     |                             |                 |  |                |  |                |                       |         |
|---|-------------------|-----------------|-----------------------|-------------------------|---------------------|-----------------------------|-----------------|--|----------------|--|----------------|-----------------------|---------|
| NO:   | FACILITY          | PUMP HORSEPOWER | NO OF INSTALLED PUMPS | NO OF OPERATIONAL PUMPS | PUMP AVAILABILITY % | GENERATOR OPERATIONAL FAULT | ATS MANUAL/AUTO | PUMP UNIT REMARKS                      | WORK ORDER NO: | VALVES, ELECTRICAL, STRUCTURAL REMARKS | WORK ORDER NO: | ESTIMATED REPAIR DATE | UPDATES |
| 1   | Pago              | 150 / 100       | 3                     | 3                       | 100%                | OP                          | A               |  |                |  |                |                       |         |
| 2   | Brigade           | 60              | 3                     | 3                       | 100%                | OP                          | A               |  |                |  |                |                       |         |
| 3   | Windward Hills    | 200 / 75        | 3                     | 2                       | 67%                 | OP                          | A               | Pump scheduled for pull out on 5-2-24. | 1392067        |  |                |                       |         |
| 4   | Santa Rita Spring | 40              | 2                     | 2                       | 100%                | OP                          | A               |  |                |  |                |                       |         |
| 5   | Santa Ana (Lower) | 25              | 2                     | 2                       | 100%                | N/A                         | N/A             |  |                |  |                |                       |         |
| 6   | Camacho           | 1               | 1                     | 1                       | 100%                | N/A                         | N/A             |  |                |  |                |                       |         |
| 7   | Tenorio           | 1.5             | 1                     | 1                       | 100%                | N/A                         | N/A             |  |                |  |                |                       |         |
| <b>Total=7</b>  |                   |                 | <b>15</b>             | <b>14</b>               | <b>93%</b>          |                             |                 |  |                |  |                |                       |         |
| pump availability =no of operational pumps/no of pumps*100% |                   |                 |                       |                         |                     |                             |                 |  |                |  |                |                       |         |

| Southern District   |                   |                 |                       |                         |                     |                             |                 |  |                |  |                |                       |         |
|---|-------------------|-----------------|-----------------------|-------------------------|---------------------|-----------------------------|-----------------|--|----------------|--|----------------|-----------------------|---------|
| NO:   | FACILITY          | PUMP HORSEPOWER | NO OF INSTALLED PUMPS | NO OF OPERATIONAL PUMPS | PUMP AVAILABILITY % | GENERATOR OPERATIONAL FAULT | ATS MANUAL/AUTO | PUMP UNIT REMARKS  | WORK ORDER NO: | VALVES, ELECTRICAL, STRUCTURAL REMARKS | WORK ORDER NO: | ESTIMATED REPAIR DATE | UPDATES |
| 1   | Malojloj Line     | 125 / 50        | 3                     | 3                       | 100%                | OP                          | A               | Pump 2 leaking on seal, pending quotation mechanical seals |                |  |                |                       |         |
| 2   | Geus              | 7.5             | 3                     | 3                       | 100%                | OP                          | A               |  |                |  |                |                       |         |
| 3   | Pigua             | 7.5             | 2                     | 2                       | 100%                | N/A                         | N/A             |  |                |  |                |                       |         |
| 4   | Toguan            | 10              | 2                     | 2                       | 100%                | OP                          | A               |  |                |  |                |                       |         |
| 5   | WBP-2             | 25              | 2                     | 2                       | 100%                | OP                          | A               |  |                |  |                |                       |         |
| 6   | WBP-1             | 5               | 2                     | 2                       | 100%                | OP                          | A               |  |                |  |                |                       |         |
| 7   | Malojloj Elevated | 15              | 3                     | 3                       | 100%                | OP                          | A               |  |                |  |                |                       |         |
| 8   | Ija               | 7.5             | 2                     | 2                       | 100%                | N/A                         | N/A             |  |                |  |                |                       |         |
| <b>Total=8</b>  |                   |                 | <b>19</b>             | <b>19</b>               | <b>100%</b>         |                             |                 |  |                |  |                |                       |         |
| pump availability =no of operational pumps/no of pumps*100% |                   |                 |                       |                         |                     |                             |                 |  |                |  |                |                       |         |



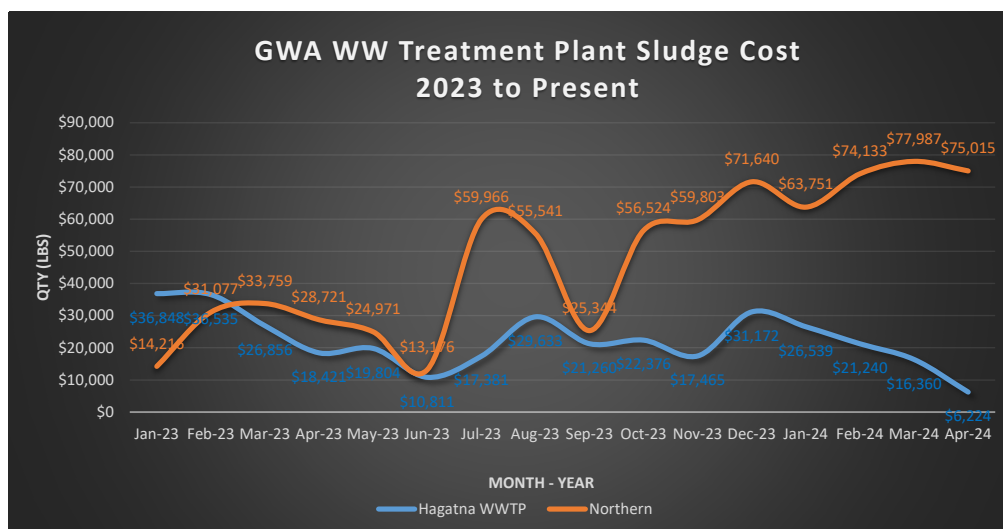
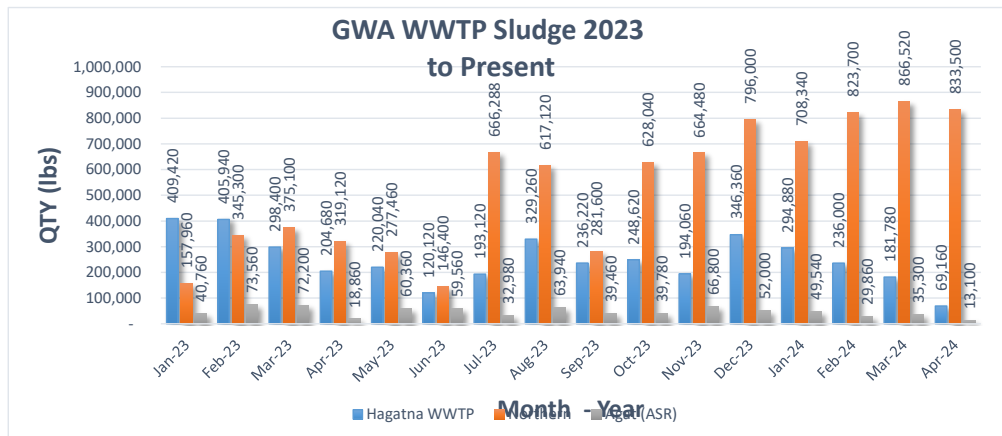
**Guam Waterworks Authority**  
**VEHICLE FLEET STATUS**  
**5/3/2024**

| EQUIPMENT STATUS    |                     |                               |                                   |            | SUMMARY     |                            |  |                                     |                                  |                                 |                  |
|---------------------|---------------------|-------------------------------|-----------------------------------|------------|-------------|----------------------------|--|-------------------------------------|----------------------------------|---------------------------------|------------------|
| Description         | Number of Equipment | Number of Equipment Available | Number of Equipment Not Available | Percentage | Operational | Operational w/Rprs Pending | Not in Operation-Accident (Docs Pending) | Not in Operation-Assessment Pending | Not in Operation-Repairs Pending | Not in Operation-Vendor Repairs | Recommend Survey |
| Backhoe (Leased)    | 3                   | 3                             | 0                                 | 100%       | 3           | 0                          | 0  | 0                                   | 0                                | 0                               | 0                |
| Dump Truck (Leased) | 3                   | 3                             | 0                                 | 100%       | 3           | 0                          | 0  | 0                                   | 0                                | 0                               | 0                |
| Trailer (Leased)    | 3                   | 3                             | 0                                 | 100%       | 3           | 0                          | 0  | 0                                   | 0                                | 0                               | 0                |
| Backhoe             | 2                   | 2                             | 0                                 | 100%       | 1           | 1                          | 0  | 0                                   | 0                                | 0                               | 0                |
| Boom Truck          | 0                   | 0                             | 0                                 | #DIV/0!    | 0           | 0                          | 0  | 0                                   | 0                                | 0                               | 0                |
| Crane               | 1                   | 1                             | 0                                 | 100%       | 1           | 0                          | 0  | 0                                   | 0                                | 0                               | 0                |
| Dump Truck          | 1                   | 0                             | 1                                 | 0%         | 0           | 0                          | 0  | 0                                   | 1                                | 0                               | 0                |
| Forklift            | 6                   | 6                             | 0                                 | 100%       | 6           | 0                          | 0  | 0                                   | 0                                | 0                               | 0                |
| Fuel Tanker         | 1                   | 0                             | 1                                 | 0%         | 0           | 0                          | 0  | 0                                   | 0                                | 0                               | 1                |
| Heavy Duty          | 13                  | 9                             | 4                                 | 69%        | 8           | 1                          | 0  | 0                                   | 0                                | 3                               | 1                |
| Hoist Rig           | 1                   | 1                             | 0                                 | 100%       | 1           | 0                          | 0  | 0                                   | 0                                | 0                               | 0                |
| Jetter              | 1                   | 0                             | 1                                 | 0%         | 0           | 0                          | 0  | 0                                   | 0                                | 1                               | 0                |
| Light               | 137                 | 115                           | 22                                | 84%        | 111         | 4                          | 2  | 13                                  | 3                                | 3                               | 1                |
| Mini Backhoe        | 2                   | 0                             | 2                                 | 0%         | 0           | 0                          | 0  | 0                                   | 2                                | 0                               | 0                |
| Pumper Truck        | 1                   | 0                             | 1                                 | 0%         | 0           | 0                          | 0  | 0                                   | 0                                | 1                               | 0                |
| Skidster            | 1                   | 1                             | 0                                 | 100%       | 1           | 0                          | 0  | 0                                   | 0                                | 0                               | 0                |
| Sludge Truck        | 3                   | 1                             | 2                                 | 33%        | 1           | 0                          | 0  | 0                                   | 2                                | 0                               | 0                |
| Tractor             | 2                   | 1                             | 1                                 | 50%        | 1           | 0                          | 0  | 1                                   | 0                                | 0                               | 0                |
| Tractor Mower       | 1                   | 1                             | 0                                 | 100%       | 0           | 1                          | 0  | 0                                   | 0                                | 0                               | 0                |
| Trailer             | 17                  | 11                            | 6                                 | 65%        | 11          | 0                          | 0  | 2                                   | 3                                | 1                               | 0                |
| Trencher            | 1                   | 0                             | 1                                 | 0%         | 0           | 0                          | 0  | 0                                   | 1                                | 0                               | 0                |
| Vacuum Truck        | 6                   | 4                             | 2                                 | 67%        | 3           | 1                          | 0  | 2                                   | 0                                | 0                               | 0                |
| Water Buffalo       | 2                   | 0                             | 2                                 | 0%         | 0           | 0                          | 0  | 2                                   | 0                                | 0                               | 0                |
| Water Tanker        | 6                   | 2                             | 4                                 | 33%        | 2           | 0                          | 0  | 4                                   | 0                                | 0                               | 0                |
| Compressor          | 1                   | 1                             | 0                                 | 100%       | 1           | 0                          | 0  | 0                                   | 0                                | 0                               | 0                |
| Total               | 215                 | 165                           | 50                                |            | 157         | 8                          | 2  | 24                                  | 12                               | 9                               | 3                |

|                    | Hagatna WWTP     |                  | Northern         |                  | Agat (ASR)     |                 | Hagatna + Northern + Agat |                  |
|--------------------|------------------|------------------|------------------|------------------|----------------|-----------------|---------------------------|------------------|
| 2023               | Qty              | Cost             | Qty              | Cost             | Qty            | Cost            | Qty                       | Cost             |
| Month- Yr          | lbs              | \$               | lbs              | \$               | lbs            | \$              | lbs                       | \$               |
| Jan-23             | 409,420          | \$36,848         | 157,960          | \$14,216         | 40,760         | \$3,668         | 608,140                   | \$54,733         |
| Feb-23             | 405,940          | \$36,535         | 345,300          | \$31,077         | 73,560         | \$6,620         | 824,800                   | \$74,232         |
| Mar-23             | 298,400          | \$26,856         | 375,100          | \$33,759         | 72,200         | \$6,498         | 745,700                   | \$67,113         |
| Apr-23             | 204,680          | \$18,421         | 319,120          | \$28,721         | 18,860         | \$1,697         | 542,660                   | \$48,839         |
| May-23             | 220,040          | \$19,804         | 277,460          | \$24,971         | 60,360         | \$5,432         | 557,860                   | \$50,207         |
| Jun-23             | 120,120          | \$10,811         | 146,400          | \$13,176         | 59,560         | \$5,360         | 326,080                   | \$29,347         |
| Jul-23             | 193,120          | \$17,381         | 666,288          | \$59,966         | 32,980         | \$2,968         | 892,388                   | \$80,315         |
| Aug-23             | 329,260          | \$29,633         | 617,120          | \$55,541         | 63,940         | \$5,755         | 1,010,320                 | \$90,929         |
| Sep-23             | 236,220          | \$21,260         | 281,600          | \$25,344         | 39,460         | \$3,551         | 557,280                   | \$50,155         |
| Oct-23             | 248,620          | \$22,376         | 628,040          | \$56,524         | 39,780         | \$3,580         | 916,440                   | \$82,480         |
| Nov-23             | 194,060          | \$17,465         | 664,480          | \$59,803         | 66,800         | \$6,012         | 925,340                   | \$83,281         |
| Dec-23             | 346,360          | \$31,172         | 796,000          | \$71,640         | 52,000         | \$4,680         | 1,194,360                 | \$107,492        |
| <b>Grand Total</b> | <b>3,206,240</b> | <b>\$288,562</b> | <b>5,274,868</b> | <b>\$474,738</b> | <b>620,260</b> | <b>\$55,823</b> | <b>9,101,368</b>          | <b>\$819,123</b> |

|                    | Hagatna WWTP   |                 | Northern         |                  | Agat (ASR)     |                 | Hagatna + Northern + Agat |                  |
|--------------------|----------------|-----------------|------------------|------------------|----------------|-----------------|---------------------------|------------------|
| 2024               | Qty            | Cost            | Qty              | Cost             | Qty            | Cost            | Qty                       | Cost             |
| Month- Yr          | lbs            | \$              | lbs              | \$               | lbs            | \$              | lbs                       | \$               |
| Jan-24             | 294,880        | \$26,539        | 708,340          | \$63,751         | 49,540         | \$4,459         | 1,052,760                 | \$94,748         |
| Feb-24             | 236,000        | \$21,240        | 823,700          | \$74,133         | 29,860         | \$2,687         | 1,089,560                 | \$98,060         |
| Mar-24             | 181,780        | \$16,360        | 866,520          | \$77,987         | 35,300         | \$3,177         | 1,083,600                 | \$97,524         |
| Apr-24             | 69,160         | \$6,224         | 833,500          | \$75,015         | 13,100         | \$1,179         | 915,760                   | \$82,418         |
| May-24             |                | \$0             |                  | \$0              |                | \$0             | -                         | \$0              |
| Jun-24             |                | \$0             |                  | \$0              |                | \$0             | -                         | \$0              |
| Jul-24             |                | \$0             |                  | \$0              |                | \$0             | -                         | \$0              |
| Aug-24             |                | \$0             |                  | \$0              |                | \$0             | -                         | \$0              |
| Sep-24             |                | \$0             |                  | \$0              |                | \$0             | -                         | \$0              |
| Oct-24             |                | \$0             |                  | \$0              |                | \$0             | -                         | \$0              |
| Nov-24             |                | \$0             |                  | \$0              |                | \$0             | -                         | \$0              |
| Dec-24             |                | \$0             |                  | \$0              |                | \$0             | -                         | \$0              |
| <b>Grand Total</b> | <b>781,820</b> | <b>\$70,364</b> | <b>3,232,060</b> | <b>\$290,885</b> | <b>127,800</b> | <b>\$11,502</b> | <b>4,141,680</b>          | <b>\$372,751</b> |

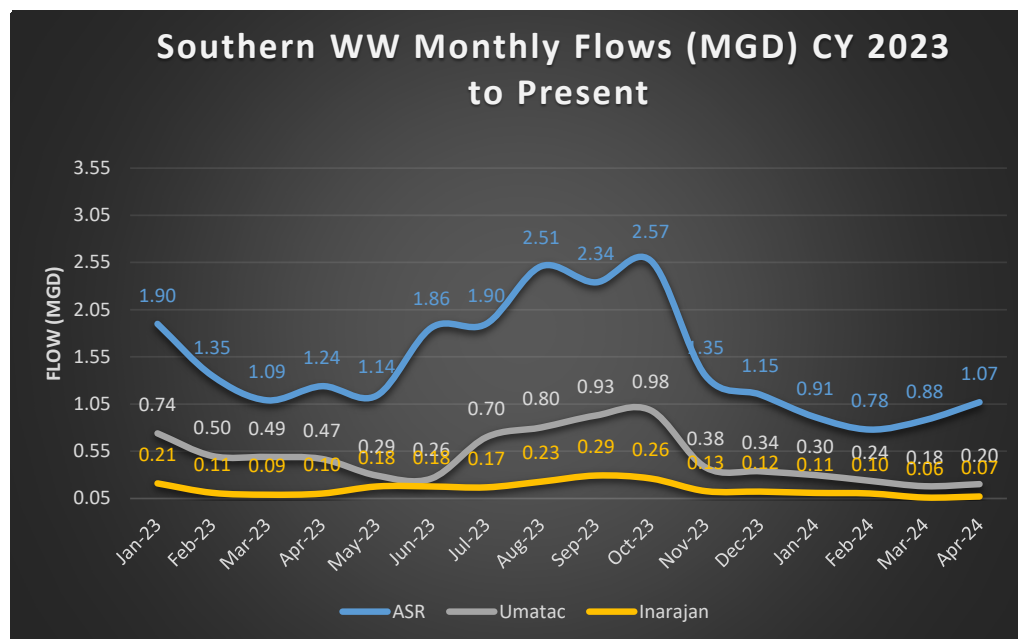
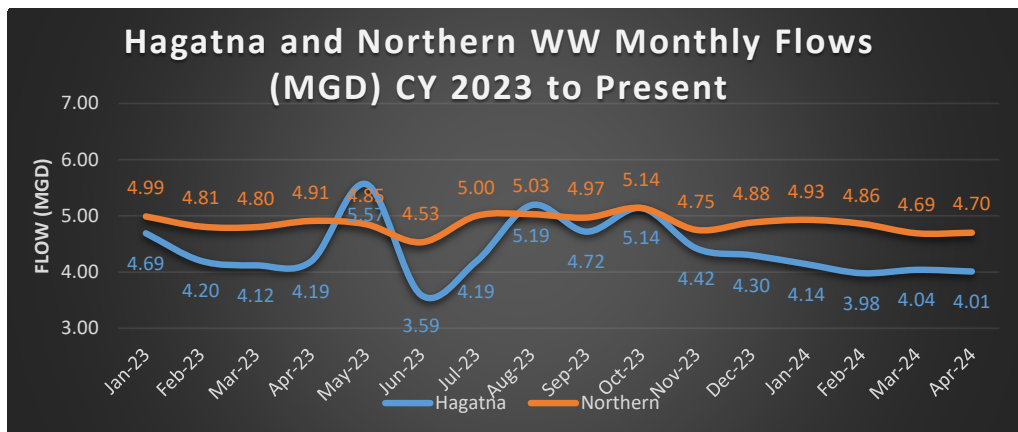




**Wastewater Treatment Plant Average Monthly Flows Million Gallons Per Day**

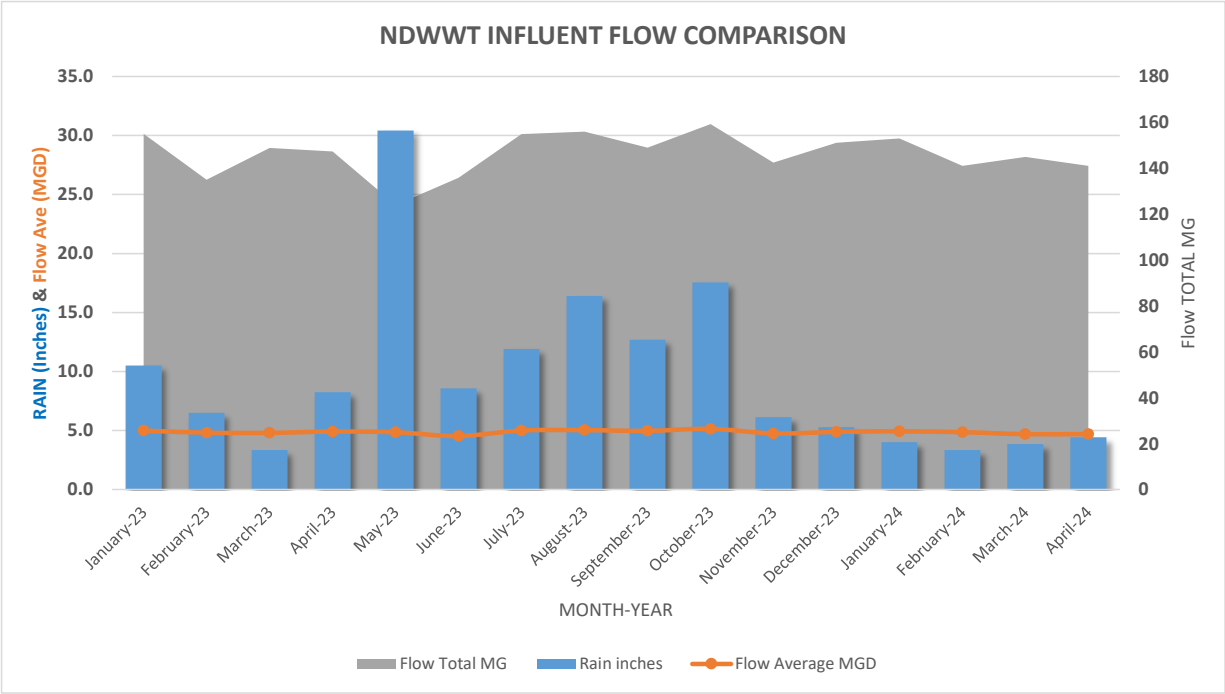
| 2023                    | Hagatna      | Northern     | ASR         | Umatac      | Inarajan    |
|-------------------------|--------------|--------------|-------------|-------------|-------------|
| Jan-23                  | 4.69         | 4.99         | 1.90        | 0.74        | 0.21        |
| Feb-23                  | 4.20         | 4.81         | 1.35        | 0.50        | 0.11        |
| Mar-23                  | 4.12         | 4.80         | 1.09        | 0.49        | 0.09        |
| Apr-23                  | 4.19         | 4.91         | 1.24        | 0.47        | 0.10        |
| May-23                  | 5.57         | 4.85         | 1.14        | 0.29        | 0.18        |
| Jun-23                  | 3.59         | 4.53         | 1.86        | 0.26        | 0.18        |
| Jul-23                  | 4.19         | 5.00         | 1.90        | 0.70        | 0.17        |
| Aug-23                  | 5.19         | 5.03         | 2.51        | 0.80        | 0.23        |
| Sep-23                  | 4.72         | 4.97         | 2.34        | 0.93        | 0.29        |
| Oct-23                  | 5.14         | 5.14         | 2.57        | 0.98        | 0.26        |
| Nov-23                  | 4.42         | 4.75         | 1.35        | 0.38        | 0.13        |
| Dec-23                  | 4.30         | 4.88         | 1.15        | 0.34        | 0.12        |
| <b>2023 Average MGD</b> | <b>4.53</b>  | <b>4.89</b>  | <b>1.70</b> | <b>0.57</b> | <b>0.11</b> |
| <b>2023 Total MGY</b>   | <b>1,654</b> | <b>1,785</b> | <b>622</b>  | <b>210</b>  | <b>63</b>   |

| 2024                    | Hagatna     | Northern    | ASR         | Umatac      | Inarajan    |
|-------------------------|-------------|-------------|-------------|-------------|-------------|
| Jan-24                  | 4.14        | 4.93        | 0.91        | 0.30        | 0.11        |
| Feb-24                  | 3.98        | 4.86        | 0.78        | 0.24        | 0.10        |
| Mar-24                  | 4.04        | 4.69        | 0.88        | 0.18        | 0.06        |
| Apr-24                  | 4.01        | 4.70        | 1.07        | 0.20        | 0.07        |
| May-24                  |             |             |             |             |             |
| Jun-24                  |             |             |             |             |             |
| Jul-24                  |             |             |             |             |             |
| Aug-24                  |             |             |             |             |             |
| Sep-24                  |             |             |             |             |             |
| Oct-24                  |             |             |             |             |             |
| Nov-24                  |             |             |             |             |             |
| Dec-24                  |             |             |             |             |             |
| <b>2024 Average MGD</b> | <b>4.04</b> | <b>4.80</b> | <b>0.91</b> | <b>0.23</b> | <b>0.09</b> |
| <b>2024 Total MGY</b>   | <b>485</b>  | <b>575</b>  | <b>109</b>  | <b>28</b>   | <b>10</b>   |



## NDWWT INFLUENT FLOW vs RAIN COMPARISON

| Date         | Rain inches | Flow<br>Average<br>MGD | Flow<br>Total<br>MG |
|--------------|-------------|------------------------|---------------------|
| January-23   | 10.5        | 4.99                   | 155                 |
| February-23  | 6.5         | 4.81                   | 135                 |
| March-23     | 3.4         | 4.80                   | 149                 |
| April-23     | 8.2         | 4.91                   | 147                 |
| May-23       | 30.4        | 4.85                   | 124                 |
| June-23      | 8.6         | 4.53                   | 136                 |
| July-23      | 11.9        | 5.00                   | 155                 |
| August-23    | 16.4        | 5.03                   | 156                 |
| September-23 | 12.7        | 4.97                   | 149                 |
| October-23   | 17.6        | 5.14                   | 159                 |
| November-23  | 6.1         | 4.75                   | 143                 |
| December-23  | 5.3         | 4.88                   | 151                 |
| January-24   | 4.0         | 4.93                   | 153                 |
| February-24  | 3.4         | 4.86                   | 141                 |
| March-24     | 3.8         | 4.69                   | 145                 |
| April-24     | 4.4         | 4.70                   | 141                 |
| May-24       |             |                        |                     |
| June-24      |             |                        |                     |
| July-24      |             |                        |                     |
| August-24    |             |                        |                     |
| September-24 |             |                        |                     |
| October-24   |             |                        |                     |
| November-24  |             |                        |                     |
| December-24  |             |                        |                     |



GWA Work Session - May 21, 2024 - GWA GM REPORT

| Guam Waterworks Authority |                      |                 |                       | Date: 5/10/2024         |                     | <div>WASTEWATER FACILITIES REPORT</div> |                 |  |                                   |   |                |                       |  |
|---------------------------|----------------------|-----------------|-----------------------|-------------------------|---------------------|--|-----------------|--|-----------------------------------|---|----------------|-----------------------|--|
| REVIEWS                   |                      |                 |                       |                         |                     |  |                 |  |                                   |   |                |                       |  |
| TOTAL PUMPS INSTALLED     |                      | 186             |                       | OVERALL AVERAGE         |                     | 82%  |                 |  |                                   |   |                |                       |  |
| TOTAL PUMPS OPERATIONAL   |                      | 154             |                       | % OF OPERATING PUMPS    |                     | 83%  |                 |  |                                   |   |                |                       |  |
| TOTAL PUMP STATIONS       |                      | 84              |                       |                         |                     |  |                 |  |                                   |   |                |                       |  |
| Northern District         |                      |                 |                       |                         |                     |  |                 |  |                                   |   |                |                       |  |
| NO:                       | FACILITY             | PRIORITY LISTED | NO OF INSTALLED PUMPS | NO OF OPERATIONAL PUMPS | PUMP AVAILABILITY % | GENERATOR OPERATIONAL FAULT  | ATS MANUAL/AUTO | PUMP UNIT REMARKS  | WORK ORDER NO:                    | VALVES, ELECTRICAL, STRUCTURAL REMARKS  | WORK ORDER NO: | ESTIMATED REPAIR DATE | UPDATES  |
| 1                         | SOUTHERN LINK        | 1               | 4                     | 3                       | 75%                 | GPA  | A               | Pump #1 was secured due to seal failure. Pump will be inspected by JMI due to warranty. Need to remove and transport to JMI. Pump #4 is on standby and will be used for emergencies as per plan  | WO # 1430285                      |   |                |                       |  |
| 2                         | FUJITA               | 1               | 4                     | 2                       | 50%                 | GPA  | A               | Pump #2 was removed 11/3/22 due to seal failure. Using impeller from #2 on #4. 6/12/23, Pump #3 was connected to VFD #4 due to Pump #4 has a bearing issue, pump delivered to vendor 9/12 for repairs.   | P#2 WO 1323701<br>P#4 WO 1376739  | VFD #2 and #3 are inoperable and in need of replacement. (PTT are working on new replacement)   |                |                       | P#2 OR 54967 (pending PO)<br>Impeller PO 502226 (ETA Jan 2024)<br>P#4 PO 502730<br>VFD OR 54834 (pending PO) |
| 3                         | YPAO                 | 1               | 2                     | 2                       | 100%                | GPA  | A               |  |                                   |   |                |                       |  |
| 4                         | PASEO DE ORO         | 1               | 2                     | 1                       | 50%                 | GPA  | A               | Pump #1 was removed due to seal failure.   | WO #1410711                       |   |                |                       | OR 55164 (pending PO)  |
| 5                         | HARMON               | 2               | 2                     | 2                       | 100%                | GPA  | A               |  |                                   |   |                |                       |  |
| 6                         | ROUTE 16             | 1               | 4                     | 1                       | 25%                 | GPA  | M               | 2/3/24, P#1 was secured due to seal failure. Pump was delivered to vendor for repairs. P#3 secured 9/15/22 due to damaged volute and defective check valve. #4 was secured, using VFD at Agana Main PS. Pump #4 was connected to new soft starter and is operational only when needed. Electrician needs to connect sub monitor. Pump is on standby. | P#1 WO 1424040<br>P#3 WO #1332734 | VFD #3 needs to be relaced. (PTT are working on new replacement)<br>Calvin will be working on write up for new pumps, valves, and pedestals for #3 &#4. |                |                       | P#1 PO 503136<br>Volute OR 54968 (pending PO)  |
| 7                         | LATTE DOUBLE TROUBLE | 1               | 2                     | 2                       | 100%                | GPA  | A               |  |                                   |   |                |                       |  |
| 8                         | LATTE SUN RISE       | 2               | 2                     | 1                       | 50%                 | GPA  | A               | 7/31/23, Pump #1 was removed due to seal failure.  | WO #1384262                       |   |                |                       | OR 54657 (pending PO)  |
| 9                         | LATTE SUBMARINE      | 2               | 2                     | 2                       | 100%                | GPA  | A               |  |                                   |   |                |                       |  |
| 10                        | LATTE PLANTATION     | 2               | 2                     | 2                       | 100%                | GPA  | A               |  |                                   |   |                |                       |  |
| 11                        | PGD                  | 2               | 2                     | 2                       | 100%                | GPA  | A               |  |                                   |   |                |                       |  |
| 12                        | MACHECHE             | 2               | 2                     | 2                       | 100%                | GPA  | A               |  |                                   |   |                |                       |  |
| 13                        | HAFA ADAI            | 2               | 2                     | 1                       | 50%                 | GPA  | A               | Pump #2 was removed due to motor was grounded.   | WO# 1417247                       |   |                |                       | OR 55163 (pending PO)  |
| 14                        | YPAOPAO              | 1               | 3                     | 2                       | 67%                 | GPA  | N/A             | 7/5/23 Pump #1 shorted as per electricians.  | WO #1376323                       |   |                |                       | P#1 OR54701 (pending PO)   |
| 15                        | PACIFIC LATTE        | 2               | 2                     | 2                       | 100%                | GPA  | A               |  |                                   |   |                |                       |  |
| 16                        | YIGO                 | 1               | 3                     | 3                       | 100%                | GPA  | A               |  |                                   |   |                |                       |  |
| 17                        | ZERO DOWN            | 2               | 2                     | 1                       | 50%                 | GPA  | A               | Pump #1 was secured due to motor was grounded. Pending pump removal.   | WO #1431068                       |   |                |                       | Pending OR   |
| 18                        | SANTA ANA            | 2               | 2                     | 2                       | 100%                | GPA  | A               |  |                                   |   |                |                       |  |
| 19                        | MACHANAONAO          | 1               | 2                     | 2                       | 100%                | GPA  | A               |  |                                   |   |                |                       |  |
| 20                        | FEMA 96              | 2               | 2                     | 2                       | 100%                | GPA  | A               |  |                                   |   |                |                       |  |
| 21                        | ASTUMBO 1            | 2               | 2                     | 2                       | 100%                | GPA  | A               | 7/30/23, Electrician found pump #1 open windings.  | P#1 WO #1383026                   |   |                |                       | P#1 OR 54658 (pending PO)  |
| 22                        | ASTUMBO 2            | 2               | 2                     | 1                       | 50%                 | GPA  | A               | 7/31/23, pump 1 was removed and installed at Astumbo #1 due to pump failure.   |                                   |   |                |                       |  |
| Total                     | 22                   |                 | 52                    | 40                      | 77%                 |  |                 |  |                                   |   |                |                       |  |

GWA Work Session - May 21, 2024 - GWA GM REPORT

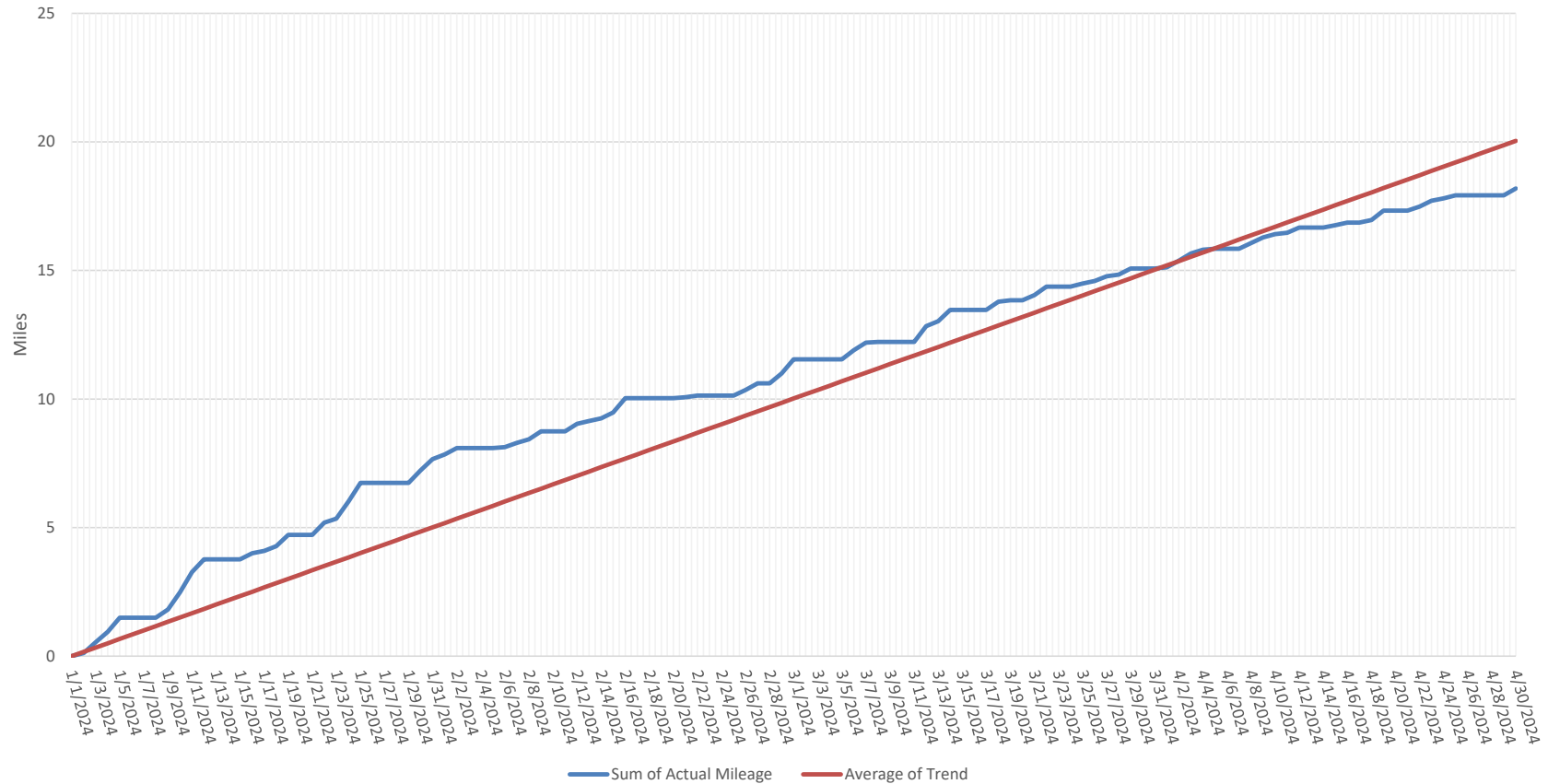
| Central District |                 |                 |                       |                         |                     |                             |                  |   |                |  |                |                       |   |
|------------------|-----------------|-----------------|-----------------------|-------------------------|---------------------|-----------------------------|------------------|---|----------------|--|----------------|-----------------------|---|
| NO:              | FACILITY        | PRIORITY LISTED | NO OF INSTALLED PUMPS | NO OF OPERATIONAL PUMPS | PUMP AVAILABILITY % | GENERATOR OPERATIONAL FAULT | ATS MANUAL/ AUTO | PUMP UNIT REMARKS   | WORK ORDER NO: | VALVES, ELECTRICAL, STRUCTURAL REMARKS   | WORK ORDER NO: | ESTIMATED REPAIR DATE | UPDATES   |
| 1                | CABRAS ISLAND   | 1               | 2                     | 2                       | 100%                |                             | Portable         |   |                |  |                |                       |   |
| 2                | COMMERCIAL PORT | 1               | 3                     | 3                       | 100%                | OP                          | A                |   |                |  |                |                       |   |
| 3                | PITI            | 1               | 2                     | 2                       | 100%                | GPA                         | A                |   |                |  |                |                       |   |
| 4                | ASAN            | 1               | 2                     | 2                       | 100%                | GPA                         | A                |   |                |  |                |                       |   |
| 5                | SINAJANA        | 2               | 2                     | 2                       | 100%                | GPA                         | A                |   |                |  |                |                       |   |
| 6                | NEW CHAOT       | 1               | 3                     | 2                       | 67%                 | OP                          | A                | Pump #2 was removed and brought to maintenance 2/18/22 due to broken pump shaft. Maintenance team is in the process of repiping lines for a new installation. | WO #1266707    |  |                |                       | Working with Engineering for station upgrades (CIP write up with procurement for review.) |
| 7                | ORDOT           | 2               | 2                     | 2                       | 100%                | OP                          | A                |   |                |  |                |                       |   |
| 8                | DERO            | 1               | 2                     | 2                       | 100%                | OP                          | A                |   |                |  |                |                       |   |
| 9                | CHALAN PAGO #5  | 2               | 2                     | 1                       | 50%                 | OP                          | A                | 6/3/23, Pump #1 was removed due to grounded motor. Pump was delivered to vendor for repairs 8/31  | WO #1370938    |  |                |                       | PO 502639   |
| 10               | CHALAN PAGO #3  | 2               | 2                     | 2                       | 100%                | OP                          | A                |   |                |  |                |                       |   |
| 11               | FLORA GARDENS   | 2               | 2                     | 2                       | 100%                | INOP                        | A                |   |                |  |                |                       |   |
| 12               | DOUBLE SHAFT    | 1               | 3                     | 3                       | 100%                | OP                          | A                |   |                |  |                |                       |   |
| 13               | NAMU            | 2               | 1                     | 1                       | 100%                | OP                          | A                | Found motor defective. Motor was removed and new motor from Maite PS was installed. Motor was sent to vendor for repairs.                                     | WO #1436402    |  |                |                       | PO 503203   |
| 14               | TAI MANGILAO    | 1               | 3                     | 2                       | 67%                 | GPA                         | A                | Pump #1 was removed and brought to maintenance 5/12/22 due to mechanical seal issue. Pump was delivered to vendor. Pending parts.                             | WO #1285248    |  |                |                       | PO 501491 repairs have been on hold due to prioritizing other stations.                   |
| 15               | MANGILAO        | 1               | 2                     | 2                       | 100%                | GPA                         | A                |   |                |  |                |                       |   |
| 16               | FIDIAN          | 2               | 2                     | 2                       | 100%                | GPA                         | A                |   |                |  |                |                       |   |
| 17               | LEYANG          | 2               | 2                     | 2                       | 100%                | OP                          | A                |   |                |  |                |                       |   |
| 18               | SAGAN BONITA 1  | 2               | 2                     | 2                       | 100%                | OP                          | A                |   |                |  |                |                       |   |
| 19               | SAGAN BONITA 2  | 2               | 2                     | 1                       | 50%                 | OP                          | A                | Electricians tested Pump #1 and found pump to be grounded.  | WO # 1398315   |  |                |                       | OR 54742 (pending PO)   |
| 20               | DAIRY           | 1               | 2                     | 1                       | 50%                 | INOP                        | A                | Pump #2 was removed due to motor was grounded.  | WO #1427553    |  |                |                       | OR 55413 (pending PO)   |
| 21               | BARRIGADA       | 1               | 2                     | 2                       | 100%                | GPA                         | A                |   |                |  |                |                       |   |
| 22               | TOTO GARDENS    | 2               | 2                     | 2                       | 100%                | INOP                        | A                |   |                |  |                |                       |   |
| 23               | MONGMONG        | 2               | 2                     | 2                       | 100%                | OP                          | A                |   |                |  |                |                       |   |
| 24               | CASIMERU        | 2               | 2                     | 1                       | 50%                 | Portable                    | A                | Pump #1 was installed but is secured due to discharge valve stuck in closed position.   | WO #1445064    |  |                |                       |   |
| 25               | MAITE           | 2               | 2                     | 1                       | 50%                 | GPA                         | A                | Motor #1 was removed and installed at Namu.   |                |  |                |                       |   |
| 26               | BAYSIDE         | 2               | 2                     | 2                       | 100%                | INOP                        | A                |   |                |  |                |                       |   |
| 27               | ALUPANG         | 1               | 2                     | 2                       | 100%                | OP                          | A                |   |                |  |                |                       |   |
| 28               | MAMAJANAO       | 1               | 3                     | 2                       | 67%                 | OP                          | A                | Pump #2 was installed. While in operation, key slot for impeller rounded off. Need to make repairs.   | WO # 1431182   |  |                |                       |   |
| 29               | AGANA MAIN      | 1               | 4                     | 2                       | 50%                 | OP                          | A                | P4 is on Line # 2 /awaiting line 4 riser to be cleaned. Pump #1 was secured due to burnt VFD.   | WO #1384376    | 5/27/23, VFD #1 burnt. 5/29/23, VFD #3 burnt. (PTT are working on new replacement) |                |                       | VFD OR 54833 (pending PO)   |
| 30               | LOWER SUNSET    | 2               | 2                     | 1                       | 50%                 | N/A                         | N/A              | Pump #1 in operation. Pump #2 needs to be replaced.   |                |  |                |                       |   |
| Total            | 30              |                 | 66                    | 55                      | 83%                 |                             |                  |   |                |  |                |                       |   |

# GWA Work Session - May 21, 2024 - GWA GM REPORT

| Southern District |                   |                 |                       |                         |                     |                             |                 |  |   |   |                |   |                                    |
|-------------------|-------------------|-----------------|-----------------------|-------------------------|---------------------|-----------------------------|-----------------|--|---|---|----------------|---|------------------------------------|
| NO:               | FACILITY          | PRIORITY LISTED | NO OF INSTALLED PUMPS | NO OF OPERATIONAL PUMPS | PUMP AVAILABILITY % | GENERATOR OPERATIONAL FAULT | ATS MANUAL/AUTO | PUMP UNIT REMARKS  | WORK ORDER NO:  | VALVES, ELECTRICAL,STRUCTURAL REMARKS   | WORK ORDER NO: | ESTIMATED REPAIR DATE                                     | UPDATES                            |
| 1                 | GAAN #1           | 1               | 4                     | 3                       | 75%                 | OP                          | MAN             | Pump #1 is available, pending VFD  |   | #2/#5 VFDs are defective due to burnt IGBT and power cards. Currently using VFD from Southern Link for #5 |                |   | VFDs replacement Bid is in process |
| 2                 | PUMP STATION #11  | 2               | 2                     | 2                       | 100%                | INOP                        | AUTO            |  |   |   |                |   |                                    |
| 3                 | PUMP STATION #12  | 1               | 2                     | 2                       | 100%                | OP                          | AUTO            |  |   |   |                |   |                                    |
| 4                 | PUMP STATION #14  | 2               | 2                     | 2                       | 100%                | OP                          | AUTO            |  |   |   |                |   |                                    |
| 5                 | PUMP STATION #15  | 1               | 2                     | 2                       | 100%                | INOP                        | AUTO            |  |   |   |                |   |                                    |
| 6                 | PUMP STATION #16  | 2               | 2                     | 2                       | 100%                | OP                          | AUTO            |  |   |   |                |   |                                    |
| 7                 | PUMP STATION #17  | 2               | 2                     | 2                       | 100%                | OP                          | AUTO            |  |   |   |                |   |                                    |
| 8                 | PUMP STATION #18  | 2               | 2                     | 2                       | 100%                | OP                          | AUTO            |  |   |   |                |   |                                    |
| 9                 | INARAJAN MAIN     | 1               | 2                     | 2                       | 100%                | OP                          | AUTO            |  |   |   |                |   |                                    |
| 10                | INARAJAN LIFT     | 1               | 2                     | 2                       | 100%                | OP                          | AUTO            |  |   |   |                |   |                                    |
| 11                | TALAFORO          | 1               | 2                     | 2                       | 100%                | OP                          | AUTO            |  |   |   |                |   |                                    |
| 12                | PAGACHAO          | 2               | 2                     | 1                       | 50%                 | NONE                        | NA              | Pump 1 was removed and brought to maintenance due to pump is grounded.   | WO #1393508   |   |                |   | OR 55320 (pending PO)              |
| 13                | CHALIGAN          | 2               | 2                     | 2                       | 100%                | OP                          | MAN             |  |   |   |                |   |                                    |
| 14                | EJECTOR #2        | 2               | 2                     | 1                       | 50%                 | PORTABLE /INOP              | NA              | Motor #2 was deemed grounded. Pending maintenance team for removal.  | WO #1399462   |   |                |   | OR 55165 (pending PO)              |
| 15                | EJECTOR #3        | 2               | 2                     | 1                       | 50%                 | PORTABLE /INOP              | NA              | Compressor #2 secured due to compressor not building air.  | WO #1377595   |   |                |   | OR 55165 (pending PO)              |
| 16                | EJECTOR #4        | 2               | 2                     | 2                       | 100%                | PORTABLE /INOP              | NA              | #2 on standby due to main breaker needs to be upgraded.  |   |   |                |   |                                    |
| 17                | EJECTOR #5        | 2               | 2                     | 1                       | 50%                 | PORTABLE/INOP               | NA              | #2 compressor was removed and brought to ejector 7.  |   |   |                |   | OR 55165 (pending PO)              |
| 18                | EJECTOR #6        | 2               | 2                     | 2                       | 100%                | PORTABLE/INOP               | NA              | #2 on standby due to main breaker needs to be upgraded.  |   |   |                |   |                                    |
| 19                | EJECTOR #7        | 2               | 2                     | 2                       | 100%                | PORTABLE/INOP               | NA              | #1 on standby due to main breaker needs to be upgraded. Currently using compressor from Ejector 5 on line #2. Still pending replacement compressor on line #2.   | WO #1399569   |   |                |   | OR 55165 (pending PO)              |
| 20                | NORTH REYES       | 2               | 2                     | 2                       | 100%                | PORTABLE/INOP               | NA              |  |   |   |                |   |                                    |
| 21                | LEYON #3 (DanDun) | 2               | 2                     | 2                       | 100%                | OP                          | MAN             |  |   |   |                |   |                                    |
| 22                | LEYON #4          | 2               | 2                     | 2                       | 100%                | OP                          | AUTO            |  |   |   |                |   |                                    |
| 23                | MTL PUMP STATION  | 2               | 1                     | 1                       | 100%                | PORTABLE/INOP               | NA              |  |   |   |                |   |                                    |
| 24                | Baza P/S          | 1               | 3                     | 2                       | 67%                 | OP                          | AUTO            | 66066 installed on line #1. 66068 was installed on unit #3 Pump was removed due to impeller snapped, pump was taken to vendor for repairs on threading due to cross threaded. 66067 is currently installed at Windward Hills PS (needs to be removed due to moisture sensor activated). 66069 was removed on 1/8/24 due to seal failure. | 66068 WO#-1430545<br>66067 WO#-1400616<br>66069 WO#-1418194 |   |                | 66067 PO 503132<br>66069 OR 55197 (pending PO)            |                                    |
| 25                | Windward Hills    | 1               | 3                     | 2                       | 67%                 | OP                          | AUTO            | 8/1/23, 61079 was removed and brought to maintenance due to bearing issues. Repairs were made on rebuild but during installation on 9/1, found that motor needs rewinding. 61106 is currently installed on unit #2. 61107 was removed 9/29 and brought to maintenance shop due to low megger and seal failure.                           | 61079 - WO #1335584<br>61107 - WO #1398233                  | PO 501369 for valves (pending approval)   |                | 61079 OR54520 (pending PO)<br>61107 OR 54740 (pending PO) |                                    |
| 26                | Aplacho           | 1               | 3                     | 2                       | 67%                 | OP                          | AUTO            | 7028 was removed due to grounded motor and delivered to vendor for repairs 8/31. 7030 was removed due to grounded motor and delivered to vendor for repairs 8/31. New pump was installed due to motors in need of repairs.   | 7028 - WO #1374946<br>7030 - WO #1374300                    |   |                | 7028 - PO 502613<br>7030 - PO 502615                      |                                    |
| 27                | Ladera #1         | 2               | 2                     | 2                       | 100%                | PORTABLE                    | MAN             |  |   |   |                |   |                                    |
| 28                | Ladera #2         | 2               | 2                     | 2                       | 100%                | PORTABLE                    | MAN             |  |   |   |                |   |                                    |
| 29                | Ayuyu             | 2               | 2                     | 1                       | 50%                 | PORTABLE                    | MAN             | Pump #1 was removed and is currently installed at Leyang PS. Needs rewind due to motor grounded. Pump is at maintenance.   | WO #1399563   |   |                |   | OR 54764 (pending PO)              |
| 30                | Tenorio           | 2               | 2                     | 2                       | 100%                | PORTABLE                    | MAN             |  |   |   |                |   |                                    |
| 31                | Taitague          | 2               | 2                     | 2                       | 100%                | PORTABLE                    | MAN             |  |   |   |                |   |                                    |
| 32                | Hyundai           | 2               | 2                     | 2                       | 100%                | OP                          | AUTO            |  |   |   |                |   |                                    |
|                   | 32                |                 | 68                    | 59                      | 87%                 |                             |                 |  |   |   |                |   |                                    |



### As of April 2024 CCTV/Sewer Cleaning Graph



| Row Labels         | Total Mileage of Sewer Lines Cleaned | Required Mileage of Sewer Lines to be Cleaned | Percent Completion |
|--------------------|--------------------------------------|---|--------------------|
| 2024-01            | 7.67                                 | 5.21  | 147.2%             |
| 2024-02            | 3.33                                 | 4.87  | 68.3%              |
| 2024-03            | 4.09                                 | 5.21  | 78.5%              |
| 2024-04            | 3.11                                 | 5.04  | 61.7%              |
| <b>Grand Total</b> | <b>18.19</b>                         | <b>20.32</b>                                  | <b>89.5%</b>       |

→6,207 ft / 5 days = 1,241.4 ft required to be completed daily








Court Order Unit  
Work for Apr 2024



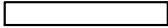
Location Map



**Legend**

-  Treatment Plant
-  Pump Station
-  Manhole
-  CCTV
-  Sewer Line

Scale  
500



1 inch = 500 feet










Court Order Unit  
Work for Apr 2024



Location Map



**Legend**

-  Treatment Plant
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-  Manhole
-  CCTV
-  Sewer Line

Scale  
500



1 inch = 500 feet










Court Order Unit  
Work for Apr 2024



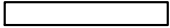
Location Map



**Legend**

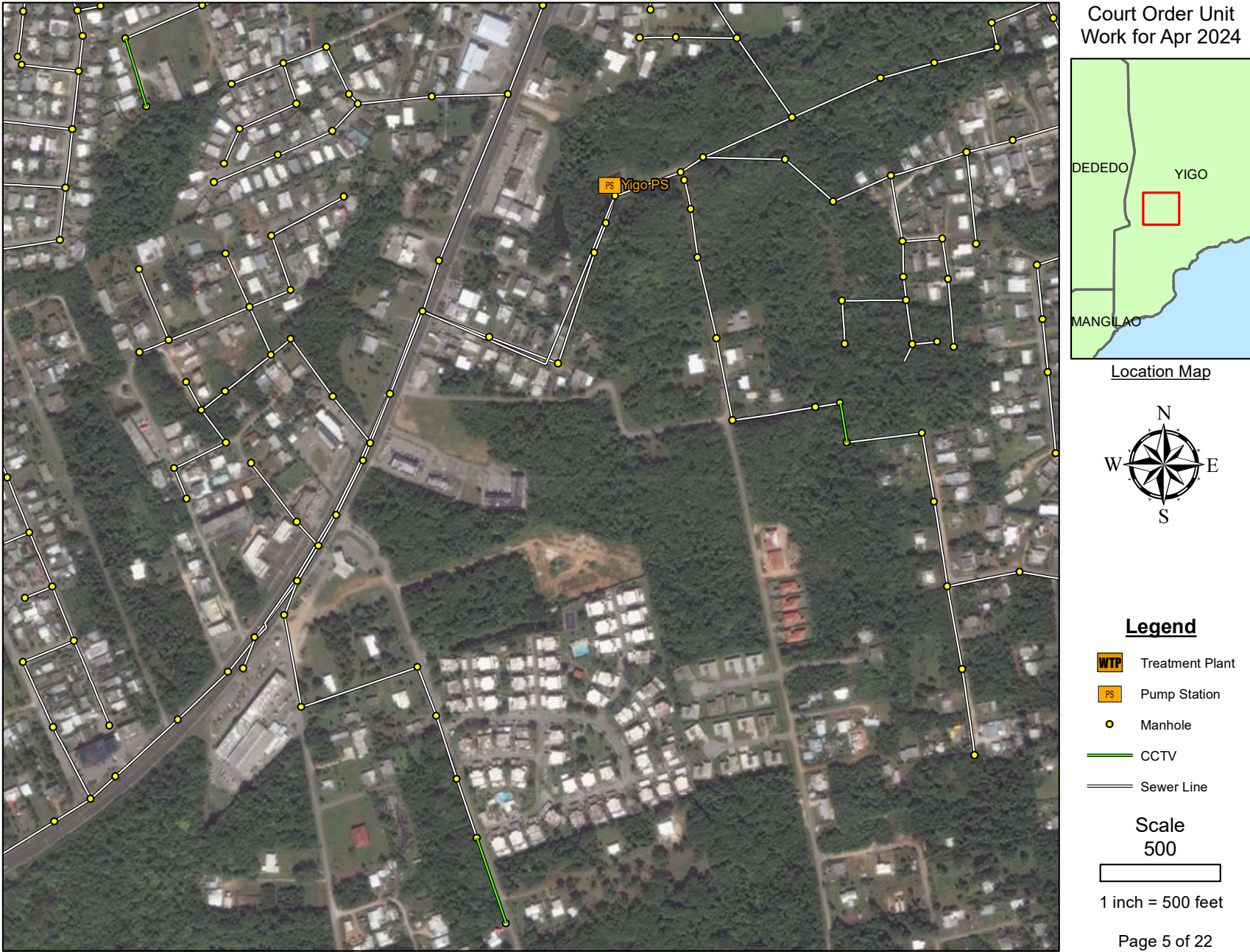
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-  Manhole
-  CCTV
-  Sewer Line

Scale  
500

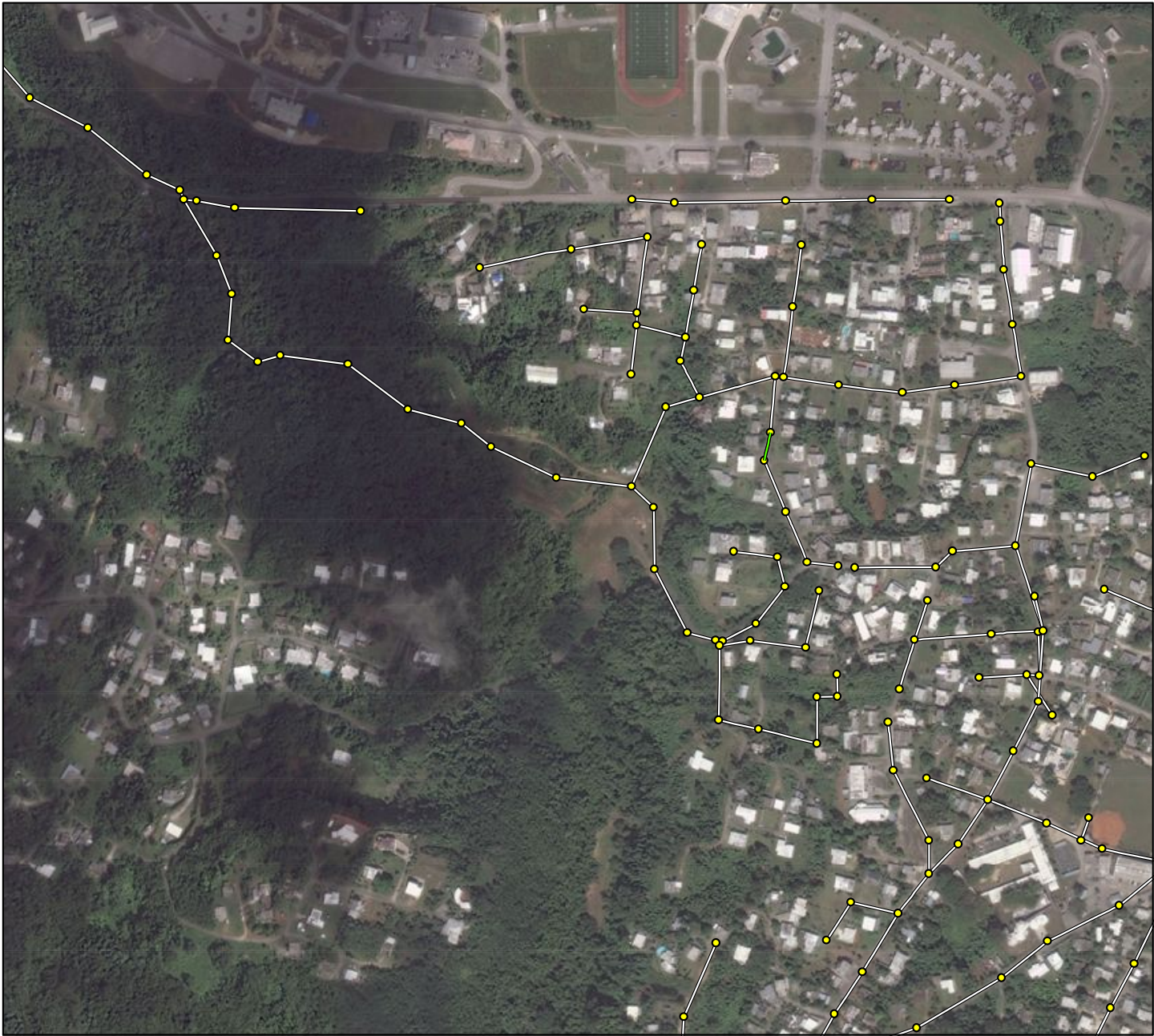


1 inch = 500 feet









Court Order Unit  
Work for Apr 2024



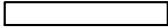
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Court Order Unit  
Work for Apr 2024



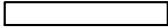
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Work for Apr 2024



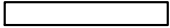
Location Map



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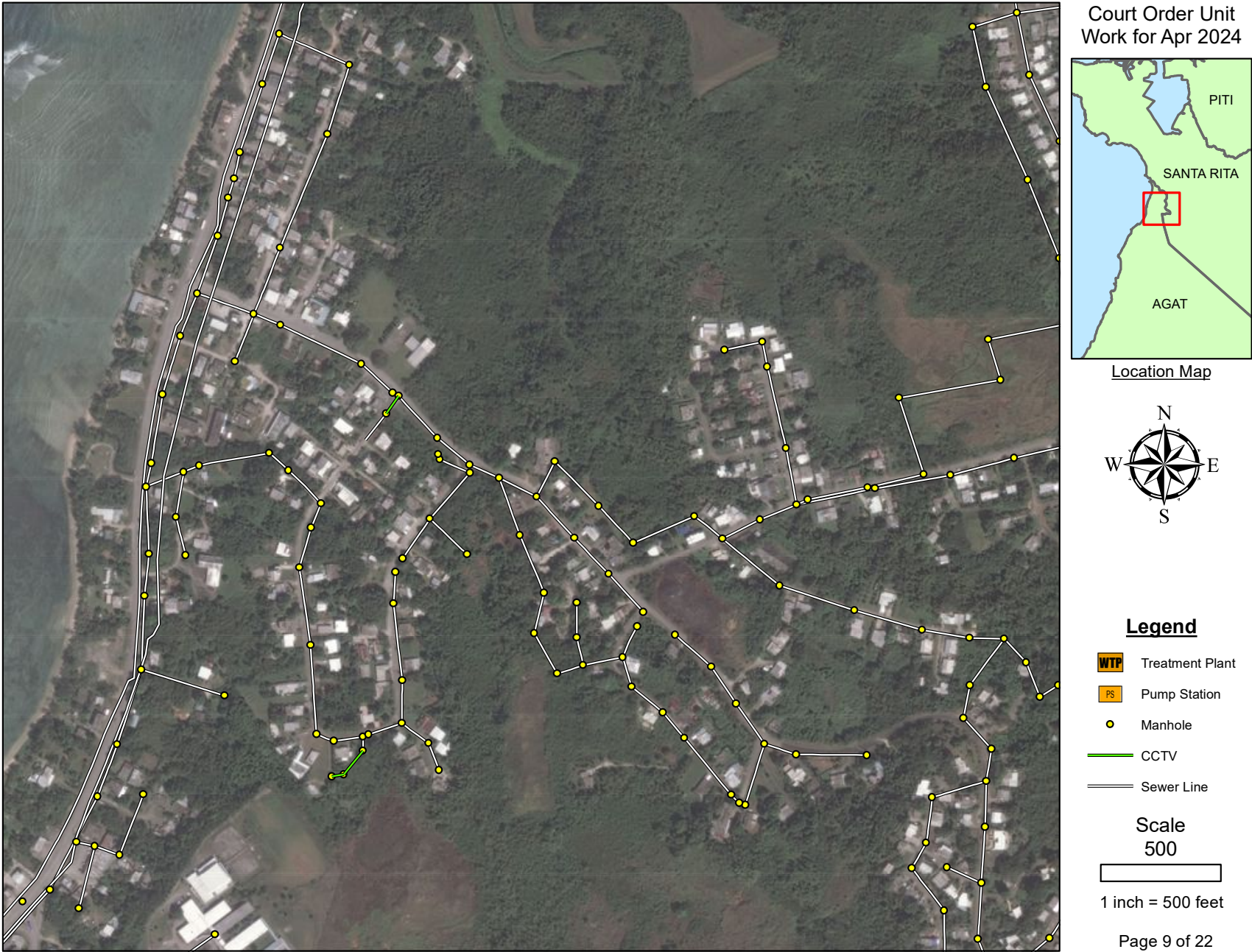
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- PS** Pump Station
- Manhole
- CCTV
- Sewer Line

Scale  
500

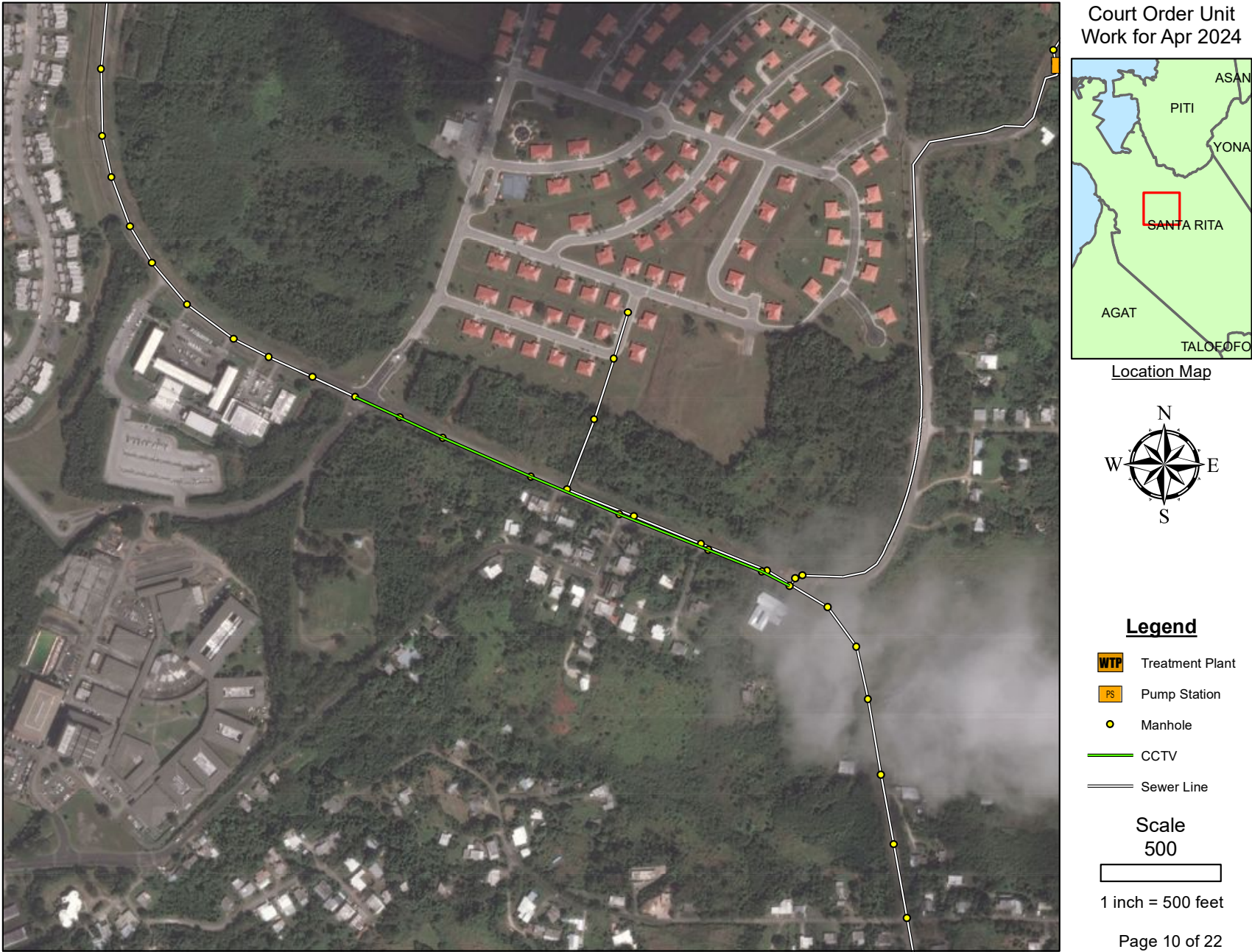


1 inch = 500 feet

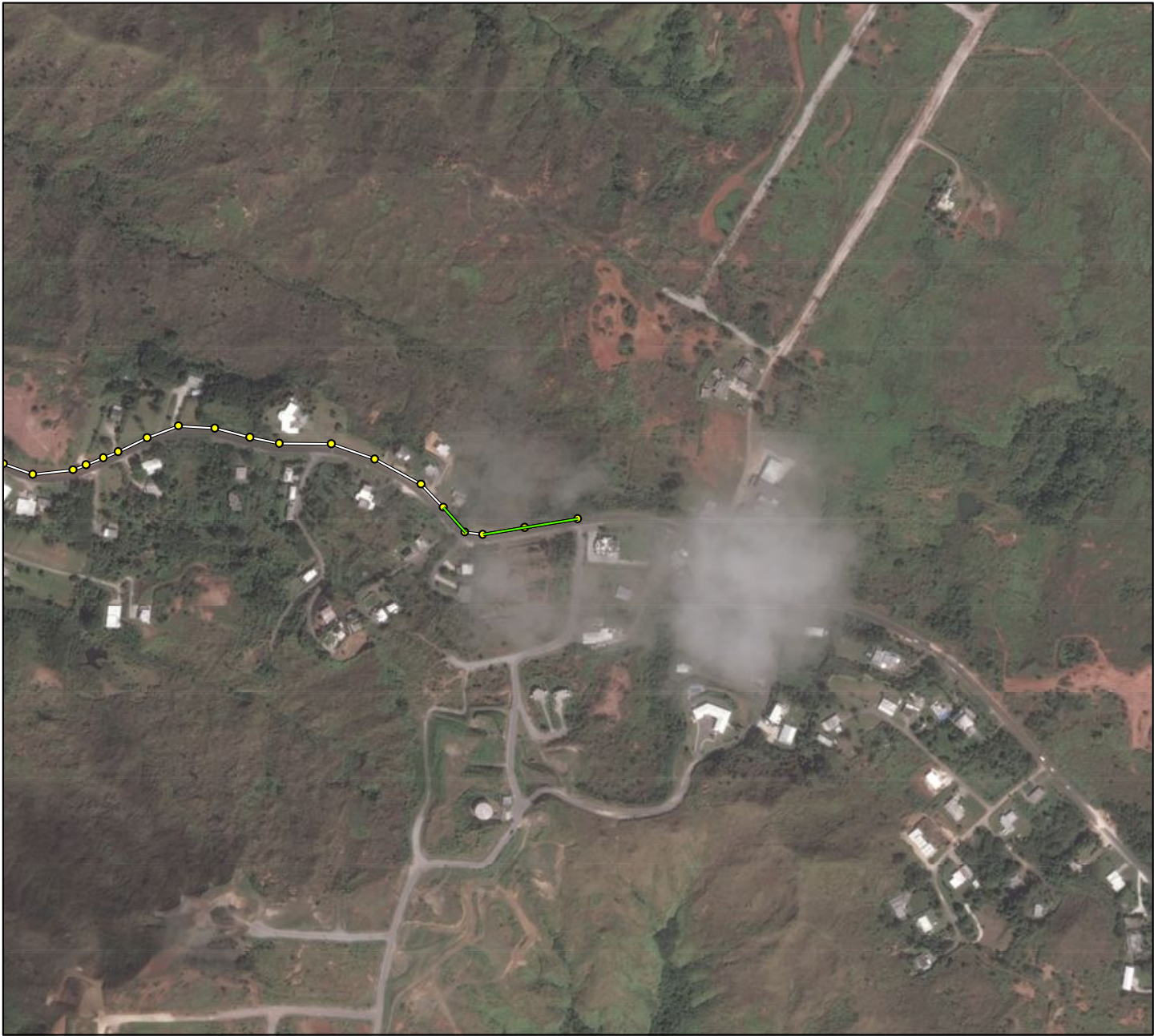

















Court Order Unit  
Work for Apr 2024



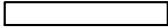
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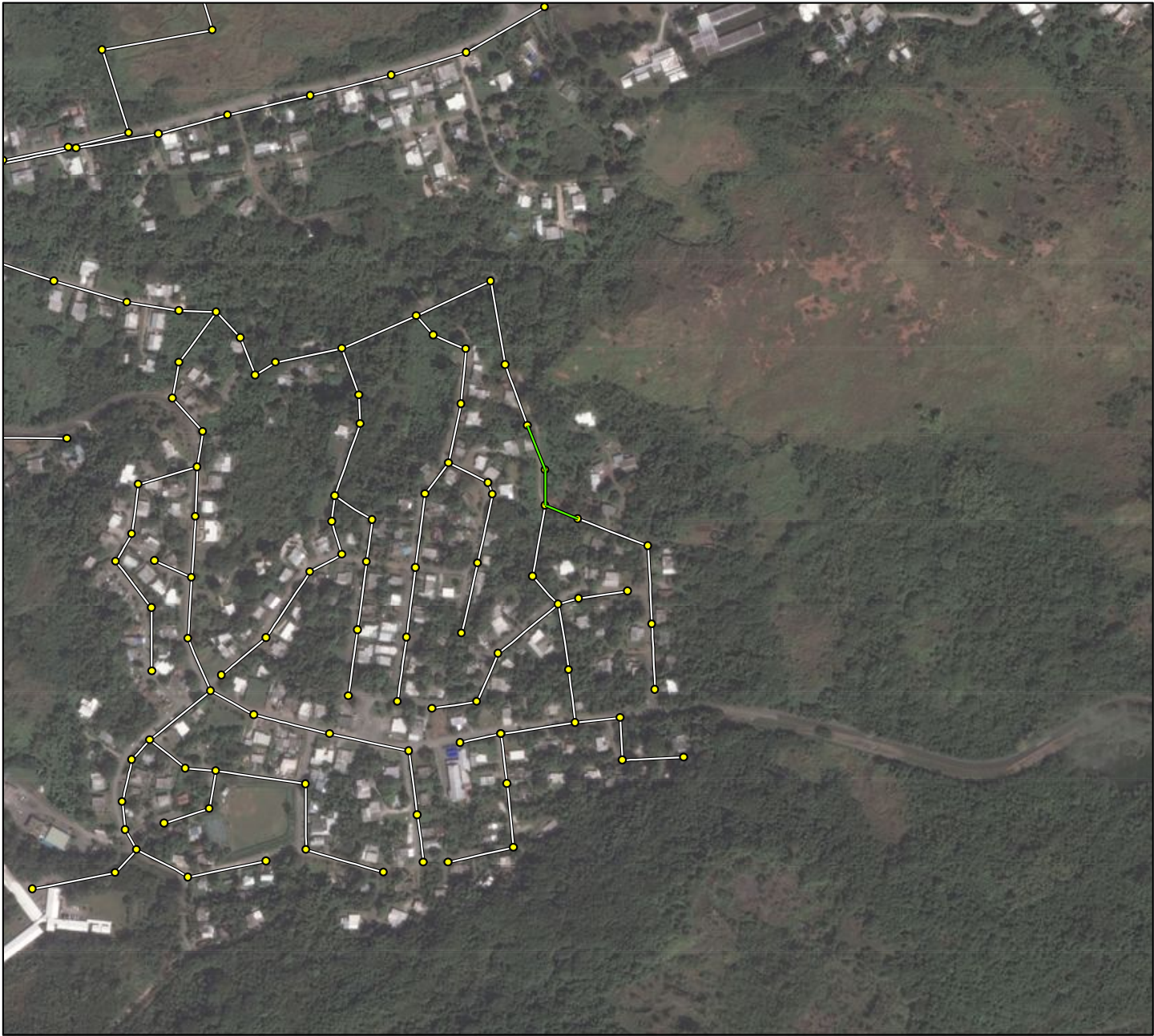
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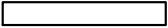
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Court Order Unit  
Work for Apr 2024



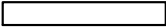
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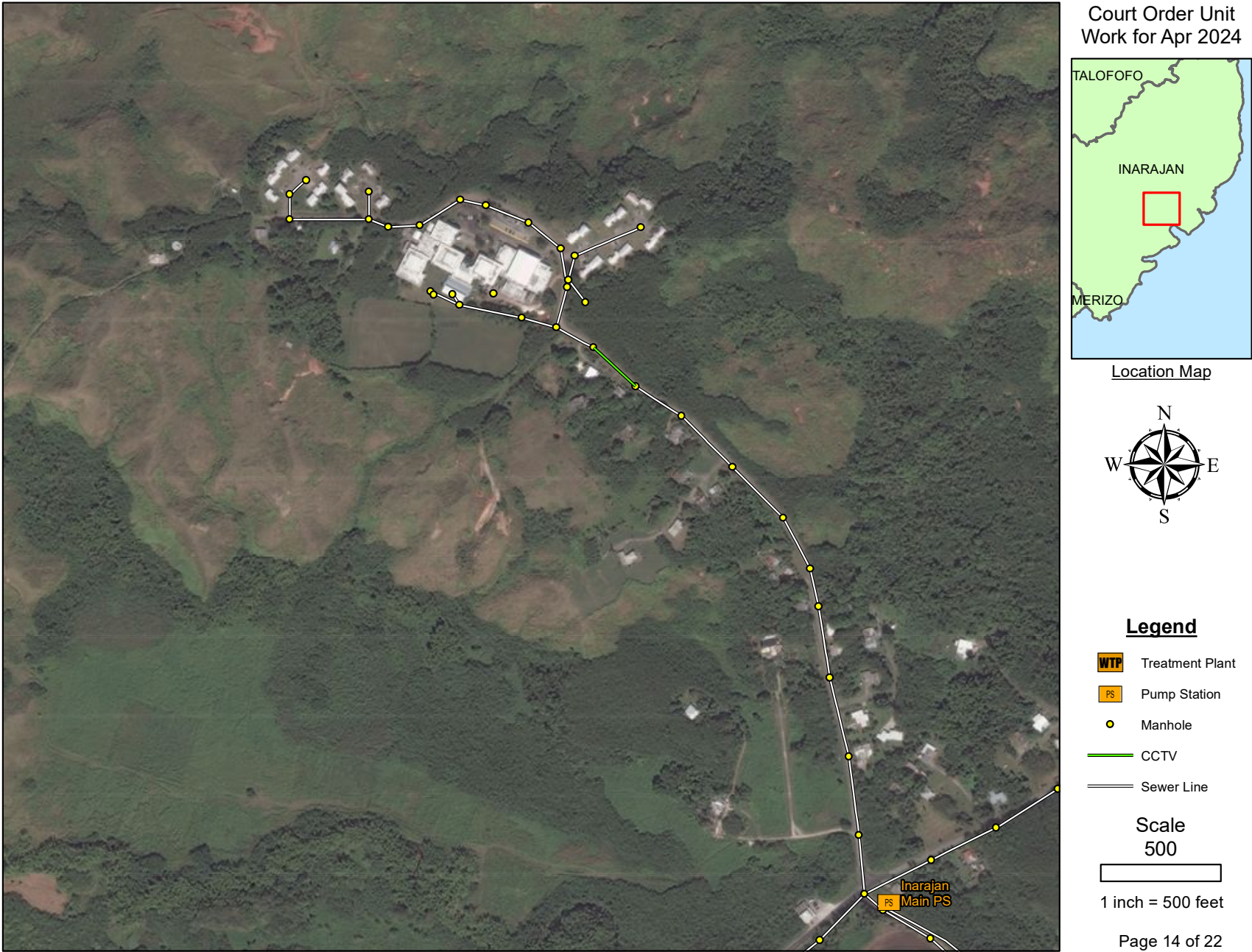
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Court Order Unit  
Work for Apr 2024



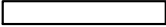
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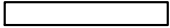
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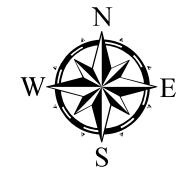




# Court Order Unit Work for Apr 2024



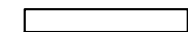
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Court Order Unit  
Work for Apr 2024



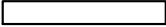
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**GUAM WATERWORKS AUTHORITY**

**"Better Water. Better Lives."**

Suite 200, Gloria B. Nelson Public Service Building, 688 Route 15, Mangilao, Guam 96913

Tel. No. (671) 300-6848 Fax. No. (671) 648-3290

May 17, 2024

Commissioners

Consolidated Commission on Utilities

RE: Written Recommendation to Discuss GWA Litigation Matters in Executive Session during  
Guam Waterworks Authority Work Session on May 21, 2024

Dear Commissioners,

As the legal counsel for the Guam Waterworks Authority (GWA), I hereby recommend pursuant to 5 G.C.A. § 8111, that the Commissioners discuss the following matters in Executive Session during the May 21, 2024, GWA Work Session:

1. Litigation issues as stated in Agenda

Pursuant to 5 G.C.A. § 8111, the Commission must make an affirmative vote of a majority of the members of the Commission to discuss these matters in Executive Session. Please contact me at 671-300-6853 if you have any questions.

Sincerely,



Theresa G. Rojas  
GWA Legal Counsel

TGR/abg