



Court Order – Status Information (September 2024)

- 09/11/2024 SSO#1474030, Santa Maria St., Santa Rita - Hydraulic Capacity **6,795 gallons**
- 1) 09/11/2024 SSO#1473426, Serenu Ave., Tamuning - Infiltration/Inflow (I/I) **10,250 gallons**
 - 2) 09/11/2024 SSO#1473407, Rte. 10, Barrigada - Infiltration/Inflow (I/I) **10,250 gallons**
 - 3) 09/11/2024 SSO#1474043, RR Cruz St., Hagat - Hydraulic Capacity **16,040 gallons**
 - 4) 09/11/2024 SSO#1474029, Keng St. Hagat - Hydraulic Capacity **6,560 gallons**
 - 5) 09/11/2024 SSO#1474060, Chalan Kanton Tasi, Malessso - Hydraulic Capacity **1,275 gallons**
 - 6) 09/11/2024 SSO#1474130, Finile Drive, Hagat - Hydraulic Capacity **9,785 gallons**
 - 7) 09/13/2024 SSO#1473942, Serenu Ave., Tamuning - Infiltration/Inflow (I/I) **44,250 gallons**
 - 8) 09/13/2024 SSO#1473944, Mamajanao PS, Tamuning - Infiltration/Inflow (I/I) **15,250 gallons**
 - 9) 09/13/2024 SSO#1474155, Orong Circle, Hagat - Hydraulic Capacity **606 gallons**
 - 10) 09/14/2024 SSO#1474541, J. Tedpahago St., Malessso - Hydraulic Capacity **1,690 gallons**
 - 11) 09/16/2024 SSO#1474354, Rte. 10, Barrigada - Infiltration/Inflow (I/I) **47,100 gallons**
 - 12) 09/16/2024 SSO#1474362, Serenu Ave., Tamuning - Infiltration/Inflow (I/I) **35,000 gallons**
 - 13) 09/18/2024 SSO#1475011, Serenu Ave., Tamuning - **Pipe Structure Failure*** 7,125.00 gallons**
 - 14) 09/18/2024 SSO#1475238, Agana Boat Basin, Hagatna - **Pipe Structure Failure*****
 - 15) 09/23/2024 SSO#1475470, Rte. 10, Barrigada - Infiltration/Inflow (I/I) **1,550 gallons**
 - 16) 09/20/2024 SSO#1475433, Lujan St., Malessso - Hydraulic Capacity **1,860 gallons**

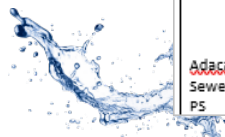
**** - The pipe structure damage was by Guam Power Authority (GPA) which chose to drill in a location for a replacement light pole in an area not cleared for them by GWA. Agana Main Pump Station was shut down to stop further WW spillage into the Agaña Boat Basin. Pumper trucks were activated to collect the WW from the Serenu Ave. Manhole. 235,800 32 gallons were collected by the pumper trucks at Serenu Ave., Tamuning.*



GUAM WATERWORKS AUTHORITY

Land Acquisition Summary (through September 2024 – no changes)

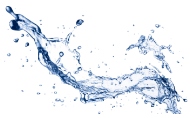
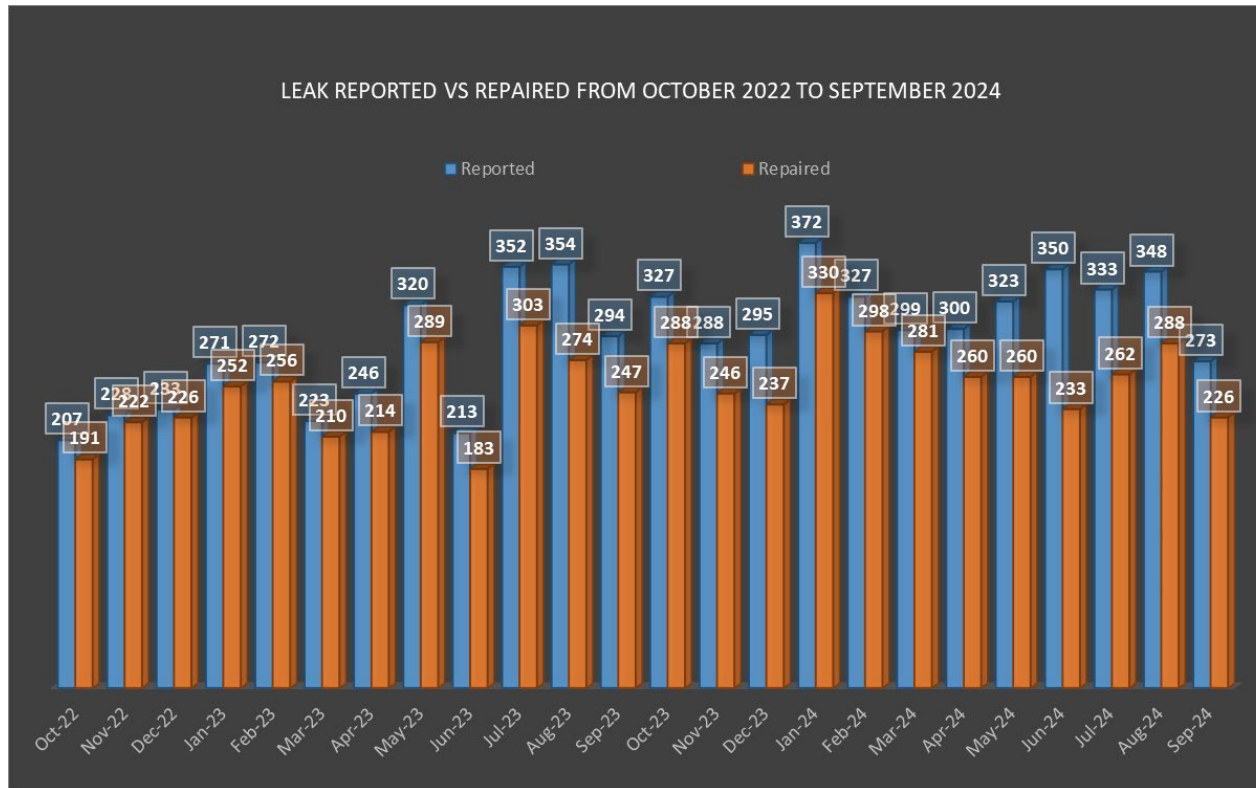
GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Tanks	Astumbo-L10164	Gov't - CLTC	Petition of Land Registration package forwarded to Attorney General by DLM 11/04/19. AG pending court filing 06/30/2021 – Follow up status sent to DLM 10/06/2021; 11/03/2021; 01/27/2022; 03/04/2022; 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 nd 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; 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 st appraisal report submitted to GWA 05/11/2022. 2 nd appraisal submittal to GWA 09/20/2022. Appraisal report sent to GM/legal counsel for review, approval and response 09/22/2022. 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"> Revised Environmental Assessment report with NPS for review. 1/25/24 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.
Adacao Sewer PS	T293 L19 Mangilao	Private	<ul style="list-style-type: none"> May 2, 2023: Right of Entry request sent to owners of properties for potential pump station sites May 15, 2023 – August 30, 2023: Right of Entry letters received by owners. Received responses from owners of Lot 19 Tract 293 (Natividad Trust & BME) and Lot 14-R2 Tract 293 (Angelita Sisonosa). No response from Angelita after initial contact. September 15, 2023: DCA met with Natividad Trust & BME to discuss pump station on L19 T293 September 25, 2023: Right of entry for Natividad Trust & BME L19 T293 signed by GM January 26, 2024: DCA met with Natividad Trust & BME to progress with appraisal January 30, 2024: Appraisal conducted on L19 T293 March 13, 2024: Appraisal received May 3, 2024: Received Ownership and Encumbrance Report on L19 T293 May 15, 2024: Letters of Decision sent to property owners of T293 L19 June 03, 2024: Followed up on LOD, no response yet from property owners June 18, 2024: property owner responds with willing to sell June 20, 2024: GWA sends offer letter June 20, 2024: property owner responds with counter offer June 25, 2024: GWA sends revised offer letter June 26, 2024: property owner accepts GWA's revised offer June 26, 2024: land agent to draft land purchase and sale agreement (LPSA) for review July 24, 2024: GWA signed LPSA was dropped off to property owner for signature July 25, 2024: Acknowledgment and Acceptance of Escrow





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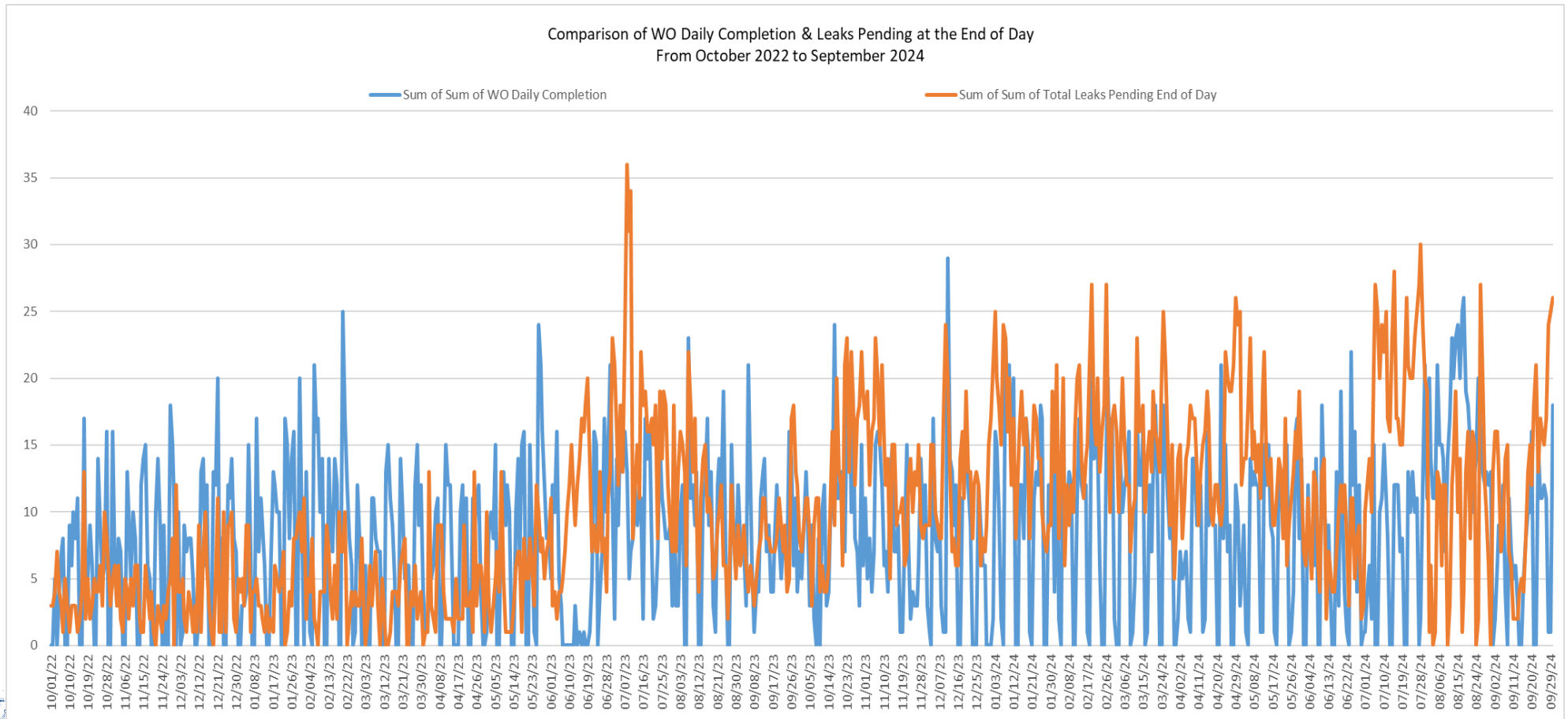
Comparison of Leaks Reported vs. Leaks Repaired (through September 2024)





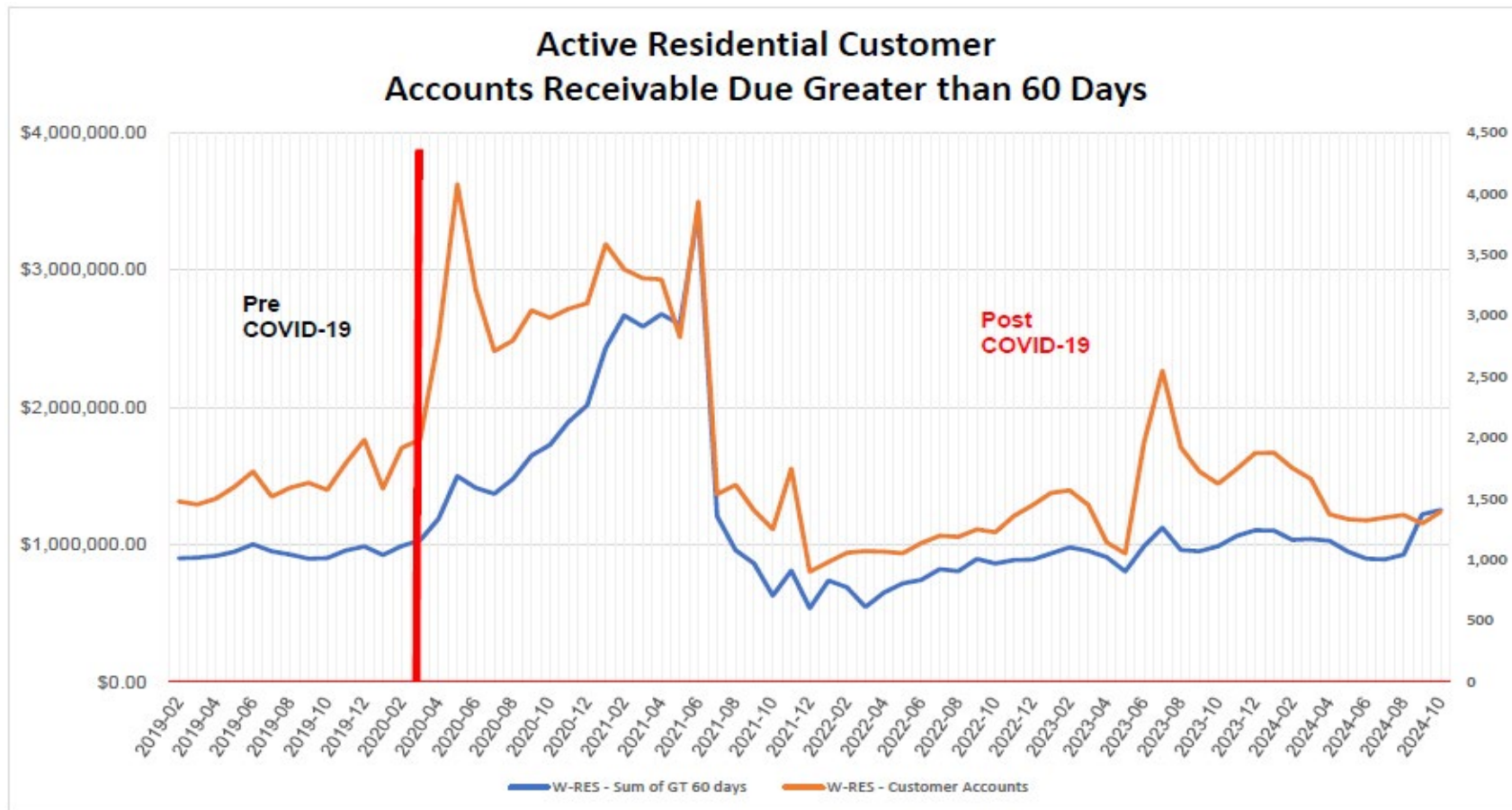
GUAM WATERWORKS AUTHORITY

Daily Leak Repairs (through September 2024)





Accounts Receivables – Active Residential Customers (through September 2024)



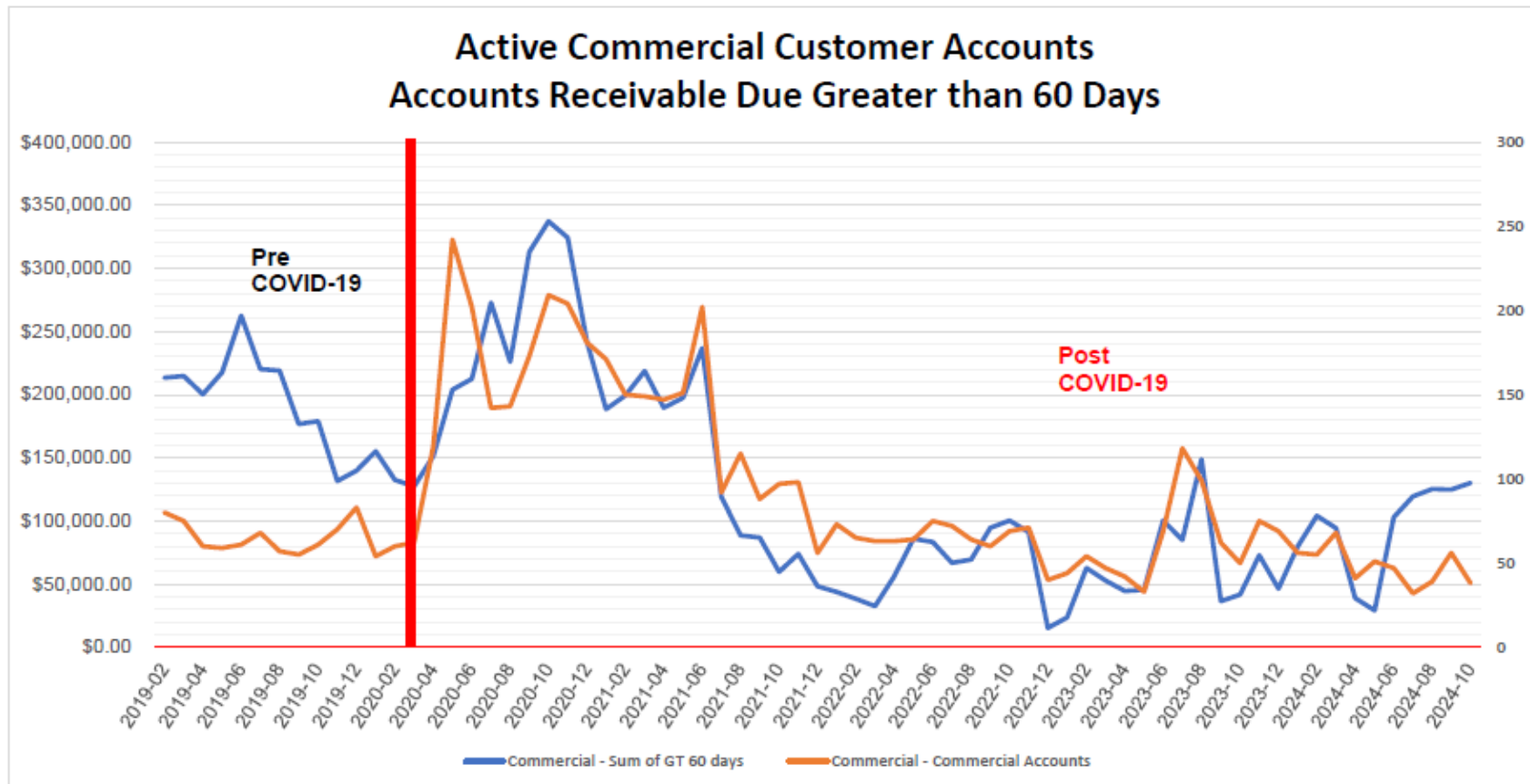
* Excluding customers on payment plans





GUAM WATERWORKS AUTHORITY

Accounts Receivables – Active Commercial Customers (through September 2024)



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Highlights of Customer Care Section Operations (September 2024)

- The average wait time for all 3 locations for the month of September 2024 is 4 minutes as compared to August 2024 @ 3 minutes average wait time.
- The number one reason for visiting each GPWA location for the month of September 2024 is:
 - o Fadian office – Apply for water
 - o Julale office – Bill Dispute
 - o Upper Tumon – Apply for water
- The total number of Facebook visits in September 2024 is 3,928 as compared to August 2024 @ 5,200 total visits.
- Instagram profile visits for September 2024 is 267 visits as compared to August 2024 @ 303.
- Average number of active pay plans for the month of September 2024 is 385 as compared to August 2024 @ 409.
- 615 total emails were received and replied to in September 2024 as compared to 669 in August 2024.
- The Meter Reading Unit reported a successful electronic read percentage average of 93.14%, down slightly from August 93.16%. The decrease continues to be the result of depleted endpoint battery life.
- 12% of GWA active meters recorded ongoing leakages for the month of September 2024 which is identical to August 2024.
- GWA Call Center received a total of 3,913 phone calls as compared to 4,191 in August 2024.
- All Customer Care Section FY2024 PFP Evaluations have been completed and submitted to GWA HR for processing as of 09/30/24.
- 2 Customer Care Section personnel attended the mandatory Drug and Alcohol-Free Workplace training on 09/10/24.
- The Customer Care Section was included in the New Hire Training held on 09/09/24 imparting information about the activities in the customer care section in addition to basic customer service information for the new GWA employees.



GWA Utility Services Division
 Monthly Status Report
 Month ending SEPT 2024

FY2024 UTILITY SERVICES DIVISION ACTIVITIES	WEEK	WEEK	WEEK	WEEK	SEPT 2024 MONTHLY TOTAL	WEEKLY AVERAGE SEPT 2024	PREVIOUS MONTH	
	ENDING:	ENDING:	ENDING:	ENDING:			WEEKLY	AUG 2024
	09/07/24	09/14/24	09/21/24	09/28/24			AVERAGE AUG 2024	MONTHLY TOTAL
Collections Activities:								
I. Number of accounts cut for nonpayment:	49	69	66	56	240	64	77	306
II. Number of accounts restored for nonpayment:	47	66	63	50	226	60	66	263
III. Number of No water reports responded to:	0	0	1	2	3	1	2	8
IV. Number of Secure/Unsecure valve reports responded to:	6	4	2	8	20	5	4	16
V. Number of Verify reads responded to:	7	5	19	10	41	11	11	45
VI. Number of new pay plans negotiated for active accounts:	83	102	94	75	354	90	104	414
VII. Number of active pay plans negotiated and ongoing:	348	381	380	394		385	409	
VIII. Number of inactive accounts with a payment arrangement:	20	20	20	20		20	20	
IX. Number of broken payment plans:	88	39	56	28	211	41	48	191
Customer Service Activities (lobby visits):								
A. GBN Public Service Building – Fadjan								
i. Total Customers Assisted:	136	139	136	184	595	153	182	727
ii. Total Abandoned Requests:	5	1	0	5	11	2	5	19
iii. Average Wait Time:	4 minutes	3 minutes	3 minutes	5 minutes		3.75 minutes	2.75 minutes	
iv. Average Service Time:	13 minutes	14 minutes	12 minutes	14 minutes		13.25 minutes	13.25 minutes	
v. Purpose of lobby visit:								
1. Apply for water:	38	40	28	54	160	41	56	225
2. Restore water cut for non payment:	4	18	6	7	35	10	14	56
3. Terminate Water:	11	7	6	6	30	6	8	32
4. Copy of Bill:	41	41	38	55	175	45	50	200
5. Billing Dispute:	27	28	35	42	132	35	33	131
6. Billing Dispute follow up:	0	2	1	3	6	2	1	5
7. General Questions & Other:	40	25	38	44	147	36	51	203
8. Report a water leak:	1	2	0	1	4	1	0	1
9. Report water theft:	0	0	0	0	0	0	0	0
10. Payment Arrangement:	10	16	14	17	57	16	22	89
B. Julale Satellite Office – Hagatna								
i. Total Customers Assisted:	182	179	200	176	737	185	196	782
ii. Total Abandoned Requests:	5	5	6	7	23	6	4	14
iii. Average Wait Time:	5 minutes	2 minutes	2 minutes	3 minutes		3 minutes	2.25 minutes	
iv. Average Service Time:	9 minutes	8 minutes	10 minutes	12 minutes		9.75 minutes	8.5 minutes	
v. Purpose of lobby visit:								
1. Apply for water:	45	32	36	33	146	34	45	179
2. Restore water cut for non payment:	11	7	8	5	31	7	11	43
3. Terminate Water:	13	15	11	20	59	15	12	46
4. Copy of Bill:	38	66	52	53	209	57	42	167
5. Billing Dispute:	54	46	63	63	226	57	64	255
6. Billing Dispute follow up:	0	1	1	1	3	1	1	2
7. General Questions & Other:	19	21	32	24	96	26	25	99
8. Report a water leak:	1	0	0	0	1	0	0	1
9. Report water theft:	0	0	0	0	0	0	0	1
10. Payment Arrangement:	18	21	30	13	82	21	19	76
C. Upper Tumon Satellite Office – Upper Tumon								
i. Total Customers Assisted:	266	199	267	268	1000	245	265	1058
ii. Total Abandoned Requests:	6	8	10	7	31	8	5	20
iii. Average Wait Time:	5 minutes	4 minutes	6 minutes	6 minutes		5.25 minutes	3.25 minutes	
iv. Average Service Time:	11 minutes	17 minutes	12 minutes	13 minutes		13.25 minutes	13 minutes	
v. Purpose of lobby visit:								
1. Apply for water:	77	54	53	83	267	63	74	295
2. Restore water cut for non payment:	20	21	33	21	95	25	23	92
3. Terminate Water:	22	10	23	24	79	19	25	101
4. Copy of Bill:	45	31	35	26	137	31	30	121
5. Billing Dispute:	34	41	53	47	175	47	62	249
6. Billing Dispute follow up:	5	0	2	4	11	2	2	7
7. General Questions & Other:	53	46	57	46	202	50	41	163
8. Report a water leak:	0	0	1	5	6	2	1	3
9. Report water theft:	0	0	0	0	0	0	0	0
10. Payment Arrangement:	45	20	30	41	136	30	44	174

GWA Utility Services Division
 Monthly Status Report
 Month ending SEPT 2024

FY2024 UTILITY SERVICES DIVISION ACTIVITIES	WEEK	WEEK	WEEK	WEEK	SEPT 2024 MONTHLY TOTAL	WEEKLY AVERAGE SEPT 2024	PREVIOUS MONTH	
	ENDING:	ENDING:	ENDING:	ENDING:			WEEKLY	AUG 2024
	09/07/24	09/14/24	09/21/24	09/28/24			AVERAGE AUG 2024	MONTHLY TOTAL

Customer Service Activities (Electronic):								
i. Emails Received:								
1. customers@guamwaterworks.org:	123	162	163	158	606	161	163	653
Request type (email):								
a. Apply for water:	27	41	28	39	135	36	30	119
b. Terminate Water:	9	14	10	14	47	13	13	52
c. Copy of Bill:	2	7	9	1	19	6	3	12
d. Billing Dispute & follow up:	8	14	5	4	31	8	7	29
e. General Questions & Other:	64	67	84	79	294	77	85	341
f. Report a water leak:	1	0	1	1	3	1	5	18
g. Report water theft:	0	0	0	0	0	0	0	0
h. Online services inquiry:	10	16	23	19	68	19	17	66
2. gwasesmsme@guamwaterworks.org (realtors/prop mgrs):	2	3	3	1	9	2	4	16
ii. Emails Replied (both):	85	169	130	100	484	133	142	567
iii. Online Portal:								
Request type (online portal):								
a. Start Service:	3	2	1	2	8	2	5	18
b. Stop Service:	2	0	2	1	5	1	2	6
c. Payment Plan:	9	10	4	5	28	6	11	44
d. Customer Information Updates:	2	0	1	0	3	0	0	1
e. Service Investigations:	1	1	2	0	4	1	1	4
f. Account Inquiries:	5	8	6	2	21	5	4	17
g. Technical Support:	1	0	1	1	3	1	1	2
h. Outages & Emergencies:	0	0	0	0	0	0	0	1

Call Center Activities:								
i. Calls Received:	767	857	1279	1010	3913	1049	1048	4191
ii. Calls Immediately Answered:	221	275	270	270	1036	272	289	1155
iii. Calls Abandoned:	19	21	28	24	92	24	35	138
iv. Calls Handled by Voice mail:	503	540	942	695	2680	726	709	2837
v. Average duration of call:	3 minutes	3 minutes	3 minutes	4 minutes		3.25 minutes	2.85 minutes	
vi. Breakdown by request type:								
1. Apply/Terminate info:	26	33	37	29	125	33	39	156
2. Automated Telephone Call:	13	23	54	36	126	38	31	125
3. Balance Inquiry:	40	56	87	71	254	71	56	225
4. Call Back:	3	5	6	6	20	6	20	81
5. Dispatch:	6	4	16	3	29	8	10	41
6. Dispute:	5	8	6	4	23	6	4	14
7. Follow-up:	8	2	2	4	16	3	8	33
8. General Questions & Other:	50	34	65	51	200	50	79	315
9. Route Calls to GWA Staff:	31	34	45	29	139	36	45	178
10. No Water:	3	3	2	6	14	4	8	33
11. Online/Phone App Help:	20	21	23	24	88	23	23	90
12. Pay by Phone:	15	12	15	19	61	15	15	61
13. Pay Plan:	34	41	45	29	149	38	56	223
14. Restore Non-payment:	24	29	29	15	97	24	18	72
15. Secure/Unsecure Valve:	11	5	8	12	36	8	12	47
16. Voice Mail:	109	89	248	152	598	163	181	724
17. Water leak:	3	0	0	2	5	1	4	14
vii. Social media responses:								
GWA Facebook Messenger:	1	2	2	0	5	1	2	7
GWA Facebook Responsive Rate:	100%	100%	100%	n/a		100%	95%	
Total number of Facebook visits:	1100	642	1300	886	3928	982	1300	5200
Total number of Instagram profile visits:	59	53	66	89	267	67	81	303

Bill Dispute & Resolution Activities:								
i. Dispute Resolution:								
1. Number of disputed accounts resolved:	10	13	10	7	40	6	17	55
2. Number of disputed accounts under review:	793	799	802	813		538	817	

Data Entry of Completed Field work in CIS:								
i. Document Control:								
1. Number of field activities posted:	10	19	13	8	50	13	26	102
2. Number of field activities pending:	0	0	0	0	0	0	0	0

GWA Utility Services Division
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 Month ending SEPT 2024

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	09/07/24	09/14/24	09/21/24	09/28/24			AVERAGE AUG 2024	MONTHLY TOTAL

Field Response Activities:								
I. Number of field activities assigned:	247	210	188	199	844	199	223	891
II. Number of field activities completed:	251	221	199	219	890	213	207	826
III. Number of field activities pending field action:	16	10	11	13		11	10	

Meter Reading Activities:								
I. Number of meters read:								
A. Electronically Read Meters:	7203	13421	14108	5462	40194	10997	9039	36155
B. Manually Read Meters:	673	1139	852	415	3079	802	643	2573
i. Unread meters (Meters scheduled but not read):	5	9	6	0	20	5	3	11
ii. Number of data logs received:	26	28	53	42	149	41	39	155
iii. Number of data logs retrieved:	11	1	35	100	147	45	42	167
iv. Number of data logs pending field action:	0	0	0	0	0	0	0	0
v. Communication Errors/Reprogramming requests:	2	0	8	16	26	8	6	24
vi. Number of estimated readings (for the week):	3	7	5	2	17	5	3	10
vii. Reasons for Estimations:								
1. Cant locate meter:	0	0	0	0	0	0	0	0
2. Temporary Obstruction:	0	1	0	0	1	0	1	2
3. Vicious Dog:	0	0	0	0	0	0	0	0
4. Flooded meter:	0	3	0	1	4	1	0	1
5. Corrective action to database requested:	2	3	5	1	11	3	2	7
6. Possible changed out meter:	1	0	0	0	1	0	0	0
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:	848	1820	2003	620	5291	1481	1167	4669
b. Reverse Flow Detected:	87	167	122	195	571	161	229	917
c. No Usage Detected:	307	476	534	277	1594	429	359	1436
d. Tamper Code:	12	9	13	12	46	11	8	33
C. Electronic Read Percentage:	91.46%	92.18%	94.30%	92.94%		93.14%	93.16%	

Illegal Connection & Unauthorized Use of Water Activities:								
I. Number of Inactive Still Consuming Reports rec'd & investigated:	0	0	0	0	0	0	3	13
II. Number of Illegal Connection reports rec'd & investigated:	0	1	1	0	2	1	0	1

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.

Customer Leaks and High Usage Alert Notifications:								
High Use Alert Only Total:	457	1141	1549	584	3731	933	767	3836
SMS	101	266	363	134	864	216	220	881
EMAIL	102	246	336	128	812	203	212	846
DIALER	127	314	423	161	1025	256	263	1051
LETTER	127	315	427	161	1030	258	265	1058
Leak Alerts Only Total:	1140	2812	5538	2229	11719	3526	2899	11596
SMS	337	895	1746	698	3676	919	910	3638
EMAIL	359	848	1630	666	3503	876	873	3490
DIALER	439	1067	2154	863	4523	1131	1111	4444
LETTER	5	2	8	2	17	4	6	24
Leak & High Use Alerts Only Total:	277	524	1014	344	2159	627	528	2111
SMS	57	115	233	79	484	121	120	481
EMAIL	61	116	226	80	483	121	116	462
DIALER	78	146	276	92	592	148	145	581
LETTER	81	147	279	93	600	150	147	587

Highlights of Customer Care Section Operations – September 2024:

- The average wait time for all 3 locations for the month of September 2024 is 4 minutes as compared to August 2024 @ 3 minutes average wait time.
- The number one reason for visiting each GPWA location for the month of September 2024 is:
 - o Fadian office – Apply for water
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- The total number of Facebook visits in September 2024 is 3,928 as compared to August 2024 @ 5,200 total visits.
- Instagram profile visits for September 2024 is 267 visits as compared to August 2024 @ 303.
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**Engineering Monthly Report
October 2024**

Prepared by:

Brett Railey, P.E.
Acting Assistant General Manager of Engineering

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This Engineering Report summarizes activities for the month of September 2024.

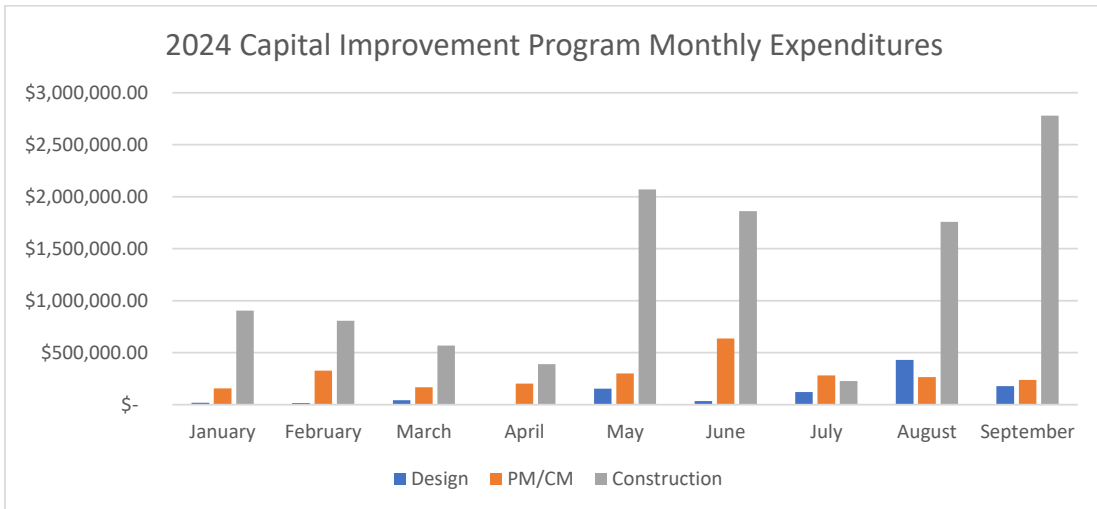
A. CIP Encumbrances

2024 Year To Date Engineering Encumbrances by Work Type				
Month	Design	PM/CM	Construction	Month Total
January	\$ 1,425,903.37	\$ -	\$ 43,633,085.48	\$ 45,058,988.85
February	\$ -	\$ -	\$ 22,834,768.00	\$ 22,834,768.00
March	\$ 750,000.00	\$ 439,711.10	\$ -	\$ 1,189,711.10
April	\$ -	\$ -	\$ 321,739.68	\$ 321,739.68
May	\$ -	\$ -	\$ 89,492.68	\$ 89,492.68
June	\$ 2,302,293.71	\$ 1,063,594.04	\$ 1,294,945.60	\$ 4,660,833.35
July	\$ -	\$ 3,811,241.00	\$ 8,150,517.79	\$ 11,961,758.79
August	\$ 849,351.00	\$ 198,922.50	\$ 483,266.89	\$ 1,531,540.39
September	\$ 57,074.00	\$ 123,817.55	\$ 860,280.55	\$ 1,041,172.10
YTD Total	\$ 5,384,622.08	\$ 5,637,286.19	\$ 77,668,096.67	\$ 88,690,004.94

2024 Year To Date Engineering Encumbrances by Funding Type				
Month	Bond	Grant	Other	Month Total
January	\$ 39,786,035.48	\$ 5,272,953.37	\$ -	\$ 45,058,988.85
February	\$ 22,834,768.00	\$ -	\$ -	\$ 22,834,768.00
March	\$ 1,189,711.10	\$ -	\$ -	\$ 1,189,711.10
April	\$ 321,739.68	\$ -	\$ -	\$ 321,739.68
May	\$ 80,154.25	\$ 9,338.43	\$ -	\$ 89,492.68
June	\$ 1,420,442.60	\$ 3,240,390.75	\$ -	\$ 4,660,833.35
July	\$ 1,640,049.79	\$ 9,500,000.00	\$ 821,709.00	\$ 11,961,758.79
August	\$ 1,531,540.39	\$ -	\$ -	\$ 1,531,540.39
September	\$ 984,098.10	\$ 57,074.00	\$ -	\$ 1,041,172.10
YTD Total	\$ 69,788,539.39	\$ 18,079,756.55	\$ 821,709.00	\$ 88,690,004.94

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

2024 Capital Improvement Project Monthly Expenditures				
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	\$ 1,996.20	\$ 202,572.90	\$ 389,813.84	\$ 594,382.94
May	\$ 154,277.58	\$ 300,369.12	\$ 2,069,255.88	\$ 2,523,902.58
June	\$ 34,814.14	\$ 635,671.94	\$ 1,861,479.07	\$ 2,531,965.15
July	\$ 122,748.64	\$ 280,107.89	\$ 228,283.29	\$ 631,139.82
August	\$ 431,536.27	\$ 264,038.11	\$ 1,757,890.60	\$ 2,453,464.98
September	\$ 179,679.87	\$ 239,110.47	\$ 2,779,682.14	\$ 3,198,472.48
Grand Total	\$ 1,002,336.02	\$ 2,573,666.65	\$ 11,368,995.02	\$ 14,944,997.69



C. Water Capital Improvement Projects (CIP)

I. Court Order Projects Summary

- 1) There have been 12 new concrete reservoirs constructed and 10 steel reservoirs repaired to date.

Concrete Reservoirs	Steel Reservoirs
Barrigada No. 1, No. 2	Santa Ana No. 2
Chaot No. 1, No. 2	Mangilao No. 1, No. 2
Agana Heights No. 1	Astumbo No. 1
Tumon No. 1	Yigo No. 3
Barrigada Heights No. 1	Agat-Umatac
Yigo No. 1, No. 2	Windward Hills
Astumbo No. 2	Santa Ana No. 1
Santa Rosa No. 2	Upper Nimitz
Sinifa No. 2	Lower Nimitz

- 2) There are a total of 6 steel reservoirs that need to be rehabilitated by December 2025. There are 5 steel reservoirs (Kaiser, Pigua Merizo, Santa Rosa No. 2, Sinifa No. 2 and Umatac Subdivision) currently under repair. The final tank Malojloj reservoir repair work is under negotiation with the Contractor and is expected to begin by the end of this year. All steel reservoirs are anticipated to be completed by the end of 2025.
- 3) There are 3 new concrete reservoirs (Tamuning No. 2, Manenggon No. 2, and Ugum No. 2) that need to be constructed by December 2025. All three sites have started construction and anticipated to be completed by the end of 2025.

II. The project status of the Water CIP that are currently in construction is shown in Table II.

III. The project status of the Water CIP that are currently in design is shown in Table III.

Table II. Project Status of Water CIP that are currently in construction

Project No.	Project Name	Start	Expected Completion	Project Status	2023 & Prior Years				2024				2025				2026				2027				2028							
					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	Tamuning, Manenggon*	1/22/2024	6/2025	Contractor preparing tank subgrade, detention basin, etc.					Construction				Target completion																			
IFB-02-ENG-2019	Pressure Zone Realignment Phase 1	4/2/2020	9/2024	95% complete, pending change order to replace valve covers	Construction				Target completion				Change order																			
IFB-02-ENG-2019	Pressure Zone Realignment Phase 2	7/1/2024	6/2026	Bids are being evaluated					Procurement Phase				Construction				Target completion															
IFB-06-ENG-2023	Ugum Reservoir No.2	2/3/2024	12/2025	Contractor started clearing and mobilization	Procurement				Construction				Project ongoing				Target completion															
IFB-06-ENG-2019	Tank Repair/Bypass																															
	Kaiser	10/1/2023	1/2025	Contractor is underway with the interior coating of the tank. Tank is anticipated to be online Nov.2024					Construction				Target completion				Floor welding complete															
	Astumbo No.2	11/1/2022	10/2024	Tank online, pending testing and commissioning.	Construction				Target completion				Interior coating																			
	Upper (10,000 gallon) and Lower Nimitz (3000 gallon)	12/1/2023	8/2024	Lower Nimitz and Upper Nimitz online, pending close out.	Construction				Target completion																							
	Pigua	8/1/2023	1/2025	Processing change order to begin repair work.	Construction				Target completion																							
	Malojloj	6/2024	11/2025	Pending price estimate from contractor for repair work.					Construction				Target completion																			
	Umatac Subdivision	9/2024	11/2025	Repair work ongoing					Construction				Target completion																			
IFB-05-ENG-2023	Ugum Water Treatment Plant Rehabilitation	2/5/2024	6/2025	Materials arrived, project is ongoing					Construction				Target completion																			
IFB-01-ENG-2019	Santa Rosa Concrete Tank (1 MG) & New Santa Rosa BPS	9/30/2019	9/2024	Santa Rosa Concrete Tank online. Santa Rosa BPS work ongoing.	Construction				Target completion				Ongoing																			
IFB-01-ENG-2019	Santa Rosa Steel Tank Repair	5/1/2024	9/2025	Steel tank repair work ongoing.					Construction				Target completion																			
IFB-01-ENG-2019	Sinifa Steel Tank Repair	7/1/2024	8/2025	Steel tank repair work ongoing.					Procurement				Construction				Target completion															
In Procurement	Deep Well A-23 & A-25 GAC Filter	8/1/2024	12/2027	IFB advertised September 25th; bids due November 15th.	Procurement				Construction				Target completion																			

Legend

- Procurement
- Design
- Construction

Table III. Project Status of Water CIP that currently in Design

					2023 & Prior Years				2024				2025				2026				2027				2028							
					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 Design																																
RFP-04-ENG-2019	Deep Wells D-17, Y-15, M-4 GAC Systems	3/11/2024	8/2024	100% design to be submitted in August 2024																												
In Procurement	Deep Wells: Emerging Contaminants Water Treatment			RFP advertised September 18, 2024																												
RFP-03-ENG-2018	Pressure Zone Realignment Phase 1-5	8/16/2018	12/2025	Phase 3 60% design and targeting 100% design by January 2025																												
Water Loss Program																																
RFP-03-ENG-2022	General Pipe Replacement	6/1/2024	9/2025	Contract phase, pending NTP																												
RFP-04-ENG-2022	ACP Pipe Replacement	7/1/2024	10/2025	Contract phase, pending NTP																												
RFP-07-ENG-2022	District Meter Areas (DMA)	8/1/2024	11/2025	Contract phase, pending NTP																												
RFP-01-ENG-2022	Undersize Pipe Replacement	8/1/2024	11/2025	Contract phase																												
RFP-03-ENG-2023	Waterline Repliment' at Various Bridges	2/22/2024	12/2025	Basis of Design completed, pending Change Order to include additional sites																												
In Procurement	Santa Rita Springs Design RFP	8/2024	11/2025	Proposals from interested firms due Ocotber 7, 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 October 2024.

- 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. Design and CM RFP for the Sewage Pump Station & Forcemain Assessment and Rehabilitation is in process to be released for advertisement in End of 2024 timeframe.
- 4) The Effective Date of the Partial Consent Decree is August 9th, 2024.

II. The project status of the Wastewater CIP that is currently in construction is shown in Table IV.

III. The project status of the Wastewater CIP that is currently in design is shown in Table V.

E. Electrical & Capital Improvement Projects (CIP)

Refer to Table VI for projects status of the Electrical & Capital Improvement Projects. Pago Bay Waterline Replacement is a Water CIP but it is currently being managed under the Electrical & Capital Improvement Projects.

Table IV. Wastewater CIP that are currently in Design are shown below.

Project No.	Project Name	Start	Expected Completion	Milestone	2023 & Prior Years				2024				2025				2026				2027				2028			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Wastewater CIP Design & CM																												
RFP-02-ENG-2024	Adacao Water & Sewer Infrastructure -CM/PM	11/30/2024	12/30/2026	Currently negotiation phase																								
RFP-09-ENG-2022	Adacao Water & Sewer Infrastructure	6/3/2024	12/31/2026	100% design pending comments																								
RFP-01-ENG-2020	Dungca Beach Sewer Line Relocation																											
	Phase I Trankilo Street	4/26/2021	7/5/2026	90% design, pending CO to include additional work																								
	Phase II Lagoon Drive	4/26/2021	6/30/2027	60% design																								
RFP-03-ENG-2020	Fujita SPS Redundant Force Main	10/5/2022	12/2024	30% design																								
RFP-02-ENG-2020	Hagatna Main SPS Redundant Force Main	4/7/2021	12/2024	Basis of Design completed; 60% design																								
RFP-08-ENG-2021	Hagatna Wastewater Treatment Plant Causeway and Facility Structure Analysis	4/2/2021	1/2025	30% design, waiting cost proposal for SCADA implementation																								
RFP-05-ENG-2023	Fats, Oils, Grease Receiver Station Design	7/1/2024	7/2025	Contract Phase, insurance review																								
RFP-09-ENG-2022	Gil Breeze Subdivision Water and Sewer	11/1/2024	4/2026	Contract Phase, review with Finance																								
RFP-06-ENG-2022	IDIQ Island-wide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement Design-Consent Decree Capacity Assurance Projects																											
	Route 12 at Route 2, Agat	6/1/2024	12/31/2027	Contract, CCU for task order#2 approval																								
	Barrigada Pump Station Sewer Lines	6/1/2024	12/31/2027	Contract, CCU for task order#2 approval																								
	Route 1, Dededo	6/1/2024	12/31/2027	Contract, CCU for task order#2 approval																								
	Route 4, Merizo PS 14 to PS18	6/1/2024	12/31/2027	Contract, CCU for task order#2 approval																								
Planning for Procurement	Wastewater Transmission System Design and Management Services																											
	Northern and Central			Target Advertise date by December 2024, pending CCU & PUC approvals																								
	Southern and Central			Target Advertise date by December 2024, pending CCU & PUC approvals																								
Other CIP Design																												
RFP-07-ENG-2023	Rojas Harmon Stormwater Drainage	5/27/2024	5/2025	Project ongoing																								

F. 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 September 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	16	12	16	8	18				140
Occupancy Permit	6	26	9	9	34	12	14	10	17				137
New Installation	27	24	23	24	31	13	19	22	3				186
Sewer Application	2	3	3	3	10	3	6	8	3				41
Sewer Inspection	2	3	2	3	0	0	0	0	0				10
Private Utility Acceptance	0	0	0	0	0	0	1	0	0				1
Relocation of Water Meter	3	5	3	1	1	2	2	0	2				19
Tapping-Water	5	3	3	2	2	0	4	0	0				19
Tapping-Sewer	2	4	0	2	0	0	4	0	0				12
Clearance-Water	14	10	14	7	21	9	15	15	15				120
Clearance-Sewer	13	8	2	4	11	3	9	0	0				50
Highway Encroachment	12	2	17	16	19	14	19	7	6				112
Verification of Utilities	11	9	10	13	13	8	7	15	17				103
Fire Flow Test	16	3	6	0	0	3	4	2	2				36
Schedule Water Outage	2	1	1	1	0	0	1	0	5				11
GPA Utility Clearances	12	3	5	17	4	10	13	10	4				78
GTA Utility Clearances	12	16	6	22	8	10	15	6	2				97

AVERAGE PROCESSING TIME FOR COMPLETIONS (DAYS) FOR SEPTEMBER 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 September 2024 was 14 days. To calculate the average processing time for Building Permits in September 2024, we refer to the Completed Permits table for September 2024, where we find that there were 18 Building permits completed. Each of the 18 building permits ranged from 3 to 69 days to complete. We calculate the average by adding up the total number of days it took to complete each building permit (249 days in total) and then dividing the total by 18, resulting in an average processing time of 14 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	12	13	17	38	14			
Occupancy Permit	0	0	0	0	0	0	0	0	0			
New Installation	163	80	98	58	151	73	98	54	40			
Sewer Application	0	0	0	0	0	0	0	0	0			
Sewer Inspection	0	0	0	0	0	0	0	0	0			
Private Utility Acceptance	0	0	0	0	0	0	12	0	0			
Relocation of Water Meter	30	30	14	14	27	132	7	0	540 ^{a1}			
Tapping-Water	0	0	0	0	0	0	0	0	0			
Tapping-Sewer	0	0	0	0	0	0	0	0	0			
Clearance-Water	0	0	6	0	3	3	3	0	5			
Clearance-Sewer	0	0	0	0	0	0	0	0	0			
Highway Encroachment	0	0	0	0	0	0	0	0	0			
Verification of Utilities	25	17	17	15	19	11	15	29	12			
Fire Flow Test	0	0	1	0	0	0	0	3	1			
Schedule Water Outage	0	0	0	0	0	0	0	0	1			
GPA Clearances	0	0	0	0	0	0	0	4	3			
GTA Clearances	0	0	0	0	0	0	0	2	1			

Subscript comments are based on what occurred during the month of **September**.

a1: Work was pending customers completing financial obligations, easement clearing, upgrading a service lateral and rerouting a waterline to a new meter relocation.

G. 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
MAY	8	1
JUNE	4	7
JULY	4	0
AUGUST	0	0
SEPTEMBER	1	3

H. Geographic Information System (GIS)

During the month of September 2024, the GIS Section did some updates to the Sewer and Water Systems, more time was spent on map request from various section within Engineering, GIS assistance for Consent Decrees, GIS Help Desk assistance, field work conducted, assisting the Guam Solid Waste Authority with their GIS install, and SOP creations.

Sewer System Updates

8 new sewer lines were created, which were 4, 8, 10, and 18, inches in diameter. This added 4706 linear feet, which equates to 0.89 miles. 32 sewer lines were edited, which were 4,6,8,10, 18, and 30 inches in diameter. This equates to 19,260 linear feet, which equates to 3.65 miles.

Water System Updates

No new updates were available on the Water System.

Map Requests

The GIS Section receives request for maps in various forms. The Engineering sections request maps for field work and for customers.

- a. Phase II Hydrant Replacement project.
- b. Consent Decree Force Main
- c. Maps for VOU's
- d. Customer requested maps.

GIS Assistance for Consent Decrees

The GIS Section participates in GoTo and Force Mains. GIS data is used to add to the spread sheets listing a variety of information for each Sewer Pump Station. The main data derived from the GIS is location and length of pipes.

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. Permits
- b. Wastewater
- c. Water
- d. Electrical
- e. Planning
- f. Acting AGME
- g. Compliance
- h. Safety

Field Work Conducted

The GIS Analyst 1 assisted the Electrical, Permits and Planning Sections out in the field.

Guam Solid Waste Authority (GSWA)

The GIS Section is assisting the Guam Solid Waste Authority with the installation of a GIS system. They need the system to plan for future growth of the authority.

Update

It was discovered that the workstation the ArcMap installation was supposed to go on was locked out. GSWA is working with their computer hardware contractor to grant installation access.

SOP Creations

The GIS Manager assisted Antonnette Gutierrez with her write-up of the Water Line Repair, and the Pressure Line Unit sections.

I. 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 nd 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 st appraisal report submitted to GWA 05/11/2022. 2 nd 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"> • GEPA has determined that a GWUDI Study be implemented and is in the process of finalizing their requirements. Once GWUDI requirements have been determined, HDR to provide a cost for new change order for GWUDI requirements into the design. • HDR is getting signatures for USACE “No Permit Required” to NPS, GWA, and GHURA. • No public comments as of 5/8/2024, a FONSI is being drafted by HDR for NPS to approve. • NPS posted New Release for EA on 3/26/2024 and comments will be accepted until 4/25/2024. • Revised Environmental Assessment report with NPS for review. 1/25/24 • 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.

<p>Adacao Sewer PS</p>	<p>T293 L19, Mangilao</p>	<p>Private</p>	<ul style="list-style-type: none"> • May 2, 2023: Right of Entry request sent to owners of properties for potential pump station sites • May 15, 2023 – August 30, 2023: Right of Entry letters received by owners. Received responses from owners of Lot 19 Tract 293 (Natividad Trust & BME) and Lot 14-R2 Tract 293 (Angelita Sionosa). No response from Angelita after initial contact. • September 15, 2023: DCA met with Natividad Trust & BME to discuss pump station on L19 T293 • September 25, 2023: Right of entry for Natividad Trust & BME L19 T293 signed by GM • January 26, 2024: DCA met with Natividad Trust & BME to progress with appraisal • January 30, 2024: Appraisal conducted on L19 T293 • March 13, 2024: Appraisal received • May 3, 2024: Received Ownership and Encumbrance Report on L19 T293 • May 15, 2024: Letters of Decision sent to property owners of T293 L19 • June 03, 2024: Followed up on LOD, no response yet from property owners • June 18, 2024: property owner responds with willing to sell • June 20, 2024: GWA sends offer letter • June 20, 2024: property owner responds with counter offer • June 25, 2024: GWA sends revised offer letter • June 26, 2024: property owner accepts GWA's revised offer • June 26, 2024: land agent to draft land purchase agreement for review • July 24, 2024: GWA signed LPSA was dropped off to property owner for signature • July 25, 2024: Acknowledgment and Acceptance of Escrow
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J. Planning & Support Services

Planning Activities for the May 2024

1. New Grant Proposals – Planning section is drafting and preparing 2 grant proposals due in November 2024 as described below:
 - a. USEPA Environmental and Climate Justice Community Change Grant – Gill Baza and Zero Down Subdivision Water and Sewer Project
 - b. USEPA Environmental and Climate Justice Community Change Grant – Gill Breeze Subdivision Water and Sewer Construction
2. FEMA Preliminary Damage Assessments – Planning is responsible for the coordination, preparation and submission of Preliminary Damage Assessments for Typhoon Mawar
 - a. Bi-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
3. 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
4. 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
5. 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
- 6. Special Projects are assigned to the Planning Section to verify the following:**
- a. Ordot Leachate Dye Testing – pending equipment delivery in order to conduct re-testing
 - b. Pipe Locating and Ground Penetrating Radar – conducts various pipe locating missions in order to verify utility locations
- 7. Engineering Procurement and Contract Admin –** The Planning section has taken a new role in leading the administrative efforts of Engineering Procurement and Contract Administration. This work consists of tracking procurement stages, gathering documents for transmittal to OAG office, inputting requisitions into Oracle Procurement Cloud, and ensuring projects go through a swift and law-abiding procurement life cycle.

K. CIP Exhibits

TOTAL NO. OF CIP PROJECTS: 48

ALL CIP SECTIONS

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

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

EXHIBIT NO.	PROJECT TITLE	STATUS
B-1	ID/IQ – Professional Civil and Structural Design Services	Active
B-2	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.

EXHIBIT NO.	PROJECT TITLE	STATUS
B-3	Gill Breeze Subdivision Water and Sewer Design RFP	Procurement
B-4	Adacao Water and Sewer Infrastructure Design Services	Design, In Progress

WATER

No. of Projects: 17 projects

There are 4 major water CIP construction projects in construction and the remaining projects in procurement, planning and design phases. The water CIP construction projects consist of multiple reservoir construction and rehabilitation, waterline replacement, and pressure zone realignment. Under the Court Order projects, there are currently 5 steel reservoir rehabilitation and 3 new concrete reservoir construction in progress.

EXHIBIT NO.	PROJECT TITLE	STATUS
B-5**	Well Abandonment	Planning**
B-6**	Well Rehab A-28, D-15, M-14, F-07	Planning**

B-7	Central Guam Reservoirs	Construction In Progress
B-8	Design and CM Services for Waterline Replacement of Various Bridges	Active Assessment/Design in Progress
B-9	Pressure Zone Realignment	Construction In Progress
B-10	Tai Rd./ S-13 and Canada-Toto Lp./Blas St. Waterline Replacement	Construction In Progress
B-11	Asan Springs Rehabilitation	EA in process, Design is complete, ROW agreement being negotiated with NPS
B-12	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;
B-13	ID/IQ - Design and CM Asbestos Concrete Pipe for Waterline Replacement	Procurement
B-14	ID/IQ - Design and CM for Waterline Replacement and Upgrades	Procurement
B-15	ID/IQ - Design and CM Implementation of District Meter Areas	Procurement
B-16	ID/IQ - Design and CM Undersized Waterline Replacement	Procurement
B-17	Santa Rita Springs Rehabilitation	Procurement
B-18	Brigade II Booster Pump Station	Design completed Seeking grants for additional funding
B-19	New Well Construction (AG-10, AG-12, Y-08)	Design Completed CM on hold pending funding availability for construction
B-20	Northern and Southern Guam Reservoirs	Design/CM/Construction In Progress
B-21	Tank Repair/Bypass	Design/CM/Construction In Progress

** No project worksheets.

WASTEWATERNo. of Projects: **14**

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
B-22	Asan-Adelup-Hagatna Route 1 Sewer Rehabilitation and Replacement Phase II	Construction Completed
		Close-Out In Progress
B-23	Southern SSES Sewer Rehabilitation Phase II (Baza Gardens-Santa Rita-Talofoto)	CM/Construction Completed
		Close-Out In Progress
B-24	Tamuning Hot Spots Sewer Line Rehabilitation and Replacement	Construction Completed
		Close-Out In Progress
B-25	Yigo Sewer Pump Station Flood Mitigation and Facility Rehabilitation	Construction, In Progress
B-26**	Southern Drainage Sewer Line Survey will be incorporated in Route 2 Gravity Sewer Rehab	Planning
B-27	Fats, Oil, Grease Receiving Station	Procurement**
B-28	Tumon Hot Spots	Design Completed**
B-29	Dungca Beach Sewer Line Relocation	Design, In Progress**
B-30	Fujita Sewage Pump Station Redundant Force Main	Design, In Progress
B-31	Hagatna Main Sewage Pump Station Redundant Force Main	Design, In Progress
B-32	Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis	Design, In Progress
B-33	Hagatna Wastewater Treatment Plant Interim Disinfection	Design, Close-Out In Progress
B-34	Aplacho Drainage and Roadway Improvements Construction	Pre-Construction In-progress

B-35	Indefinite Delivery-Indefinite Quantity Islandwide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement Design	Procurement
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** No project worksheets.

ELECTRICAL & CAPITAL IMPROVEMENTS

No. of Projects: 10

One (1) water project is completed but contractor correcting meter issues: Groundwater Production Meter Replacement. One (1) IDIQ task order assessment and design in progress. One (1) water project in planning, two (2) electrical projects, one (1) facility project and three (3) SCADA projects in planning. One (1) water project is in construction phase.

EXHIBIT NO.	PROJECT TITLE	STATUS
B-1	IDIQ Task Order No. 2 – Structural Assessment and Rehabilitation Design at Commercial Port and Chaot Sewer Pump Stations	Design (HDR), In Progress
B-36	Groundwater Production Meter Replacement	Construction, Completed
B-37	Ugum Water Treatment Plant Rehabilitation	PM/CM, In Progress Construction, In Progress
B-38	Design-Build of Pago Bay 12-inch Waterline Replacement	Planning
B-39	Current Balancing Unit for Deep Well A-09	Planning
B-40	Deep Well Power Line Conditioner Pilot Project	Planning
B-42	Design-Build GWA Upper Tumon Campus Improvements	Planning
B-43**	Design-Build GWA SCADA System Phases 1 & 2	** Planning
B-44**	SCADA Water Phase 3	** Planning
B-45**	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.

<u>B-46</u>	Rojas-Harmon Stormwater Drainage Improvements Design	Design In Progress
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B-1 ID/IQ – Professional Civil and Structural Design Services M19-001-BND

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 08/05/2024	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	21%
Design (HDR)	PW 09-03	\$750,000.00	

ACTIVITIES

<p>AECOM</p> <ul style="list-style-type: none"> • Task Order No. 1 Mataguac Booster Pump Station Rehabilitation Design: 90% design phase. <ul style="list-style-type: none"> a. Project Engineer: 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. <ul style="list-style-type: none"> a. Project Engineer: William F. Esteves b. TO cost: \$750,000.00 <p>9/11/2024: Preliminary Design Phase, site visits completed by designer, topographic survey contracting in progress, water model data being verified by designer. Project is on-track; next key date 9/23/24 for completion of Archaeological Monitoring and Data Recovery Plan.</p> <p>HDR</p> <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> a. Project Engineer: Jessey A. Mendiola b. TO cost: \$164,310.00; TO Amendment #1 approved on 8/2/24 • 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. Amendment no. 1 was submitted on May 24, 2024 and approved on August 21, 2024 to amend the schedule, no change in scope and cost. On May 28, 2024 HDR conducted site assessments and met with GWA Engineering and Wastewater Operations on May 29 to discuss findings and next steps. Initial Draft and Final Draft of Structural Assessment Report were submitted on July 22, 2024 and Aug 13, 2024 respectively. Aug 29, GWA and HDR discussed the design scope. GWA requested HDR to provide fee proposal to design new canopy and new monorail system at Baza SPS, improvements to existing chain hoist at Bayside SPS.

<p>a. Project Engineer: Ernie Villarin b. TO cost: \$61,547 c. Proposed funding source: MP-WW-Pump-01 Lift Station Rehabilitation/Replacement Program</p>

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 08/05/2024	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	08/23/2024	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 10/4/2024		Joseph Calvo	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	10/30/2024	DCA
Construction Management				
Construction				

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	USEPA grants	\$4,000,000.00	
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.
 5. DCA's fee proposal received (6/10/2024)
 6. Preparing to go to July CCU for approval of Scope and Fee (\$3,396,103.00).
 7. Resolution prepared for July but was pulled from agenda pending further negotiations.
 8. After further negotiations DCA provided a supporting narrative explaining why the proposed fee is fair and reasonable.
 9. GWA engineering concurs with the support narrative. Resolution prepared for August.
 10. Phase 4 of OAG's review started 9/6. Deadline for OAG comments 9/20
 11. Phase 4 of OAG's review completed. Contract routed through DocuSign for internal signatures.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 10/4/2024		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	90%
Construction Management	American Rescue Plan Act (ARPA) Grant	\$2,000,000.00	
Construction	American Rescue Plan Act (ARPA) Grant/USEPA Grants	\$8,178,602.52	

- 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.
 - Worked with Bobbie & DCA to produce letter/proposal for SPS property on BME lot; estimated appraisal value 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 3rd 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.
 - Total ARPA funding from Governor’s Office: \$8.7M, with interest now above \$8.9M

- Designer is progressing design to 90% to be completed submitted to GWA July 8, 2024
- Sent first offer letter of \$59K to BME (6/20/24) and received counter offer of \$80K same day; studied cost impacts of moving SPS to a different site, and sent counter offer of \$70K to BME (6/25/24) and BME accepted offer the following day (6/26/24); working to finalize purchase.
- Began discussions with Maria Lewis on utility easement through DOD property and an option for potential GAC treatment site (5/31/24)
- Received change order form designer for additional sewer line design in the area (6/10/2024); negotiated additional scope for CO (\$57K) and now routing for approval (7/3/24).
- Agreed to a fee of \$70,000.00 for purchase of a portion of the BME lot. All signatures obtained and escrow opened on 7/25/24
- Proxy email set up for public to contact if they had questions about the project 7/30/24. DCA began distributing information flyers to the public 8/1/2024
- RFP for PM/CM services produced, to be advertised 8/8/2024
- IFB produced pending bid form and bid set from DCA. Scheduled for advertisement 8/15/2024.
- Bid Set review meeting held 8/27 and 9/3
- Addendum issued for PM/CM RFP to change submission date to 9/13.
- Expected delivery of final plans 9/11.
- GHD selected for PM/CM Services 10/2. Scoping meeting to be held at GWA 10/7.
- Addendum 2 issued for IFB to extend Bid due date to 10/11.

B-7 Central Guam Reservoirs W14-006-BND

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
08/09/2024	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 (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 (Tumon, Chaot, Barrigada)	IFB-09-ENG-2017	02/02/2018	05/2023	AIC International
Construction (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 (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	15%
Construction (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 (Tamuning, Manenggon)	PW 09-11, PW 12-04, PW 12-06	\$34,509,709.25	11%

ACTIVITIES

Design:

- Tumon, Chaot, Barrigada, Tamuning, Manenggon 100% design 08/2022.
- A23/A25 GAC system scheduled to announce IFB on 09/25/2024. USDOJ and USEPA funded. Further design revisions expected to be released as an IFB addendum. Non-mandatory Pre-Bid Conference conducted on 10/02/2024.

Construction Management:

- RFP-01-ENG-2023 Tamuning and Manenggon Reservoirs: Contract signed 07/07/23. NTP issued 02/19/2024. Work ongoing.

Construction:

- Tumon, Chaot, Barrigada: All tanks completed and in service. Contractor working on final punchlist and close out documentation. 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 installing rebar for the floor foundation at Tamuning site. Contractor preparing tank sub-grade at Manenggon site.

B-8	Design and CM Services for Waterline Replacement of Various Bridges	W22-08-BND
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
10/08/2024	Brett E. Railey, P.E.	Ernesto L. Villarín	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	February 20, 2025	GHD Inc.
Construction				

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design/Construction Management	MP-PW-Pipe 12	\$1,356,199.90	16.56%
Construction			

ACTIVITIES
<p>01/31/24 - Design and CM Services contract under processing.</p> <p>02/02/24 - Letter of award was send to GHD</p> <p>02/22/24 - Design and CM Services contract was executed.</p> <p>02/26/24 - Notice to Proceed was issued, kick-off meeting was conducted.</p> <p>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.</p> <p>03/26/24 - GHD completed assessment of Agana 1, Asan Inland 2, and Asan Inland 3 bridges.</p> <p>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.</p> <p>05/31/24 - Inspection of Water and Sewer line crossings at all 31 bridges/culverts was completed. This will be followed by prioritization for design.</p> <p>06/18/24 - GHD presented to Engineering the completed assessment of waterline and sewerline bridge crossings. GHD will proceed to design stage on priority crossings that are leaking or badly corroded.</p> <p>06/27/24 - GHD coordinated a meeting with EonCoat, the pipe coating manufacturer.</p> <p>07/16/24 - GHD working on BOD and preliminary cost. GHD found 19 additional culverts with pipe crossings that were included in DPW of bridges and culverts. GHD was instructed to proceed with the assessment of additional 19 culvert crossings found.</p> <p>08/19/24 - GHD submitted draft BOD. Review in progress.</p> <p style="color: red;">09/08/24 - GHD found 19 coastal culverts, 19 inland culverts, and 5 bridges that were not included in the assessment list. GHD requesting change order (\$47,347.00) to complete assessment, update the priority list, and update the BOD.</p>

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<u>B-9</u>	Pressure Zone Realignment	W18-001-BND
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UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
08/05/2024	Brett E. Railey, P.E.	Garrett K. A. Yeoh, Jessey A. Mendiola, Ryan Diaz	Water
<p>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.</p>			

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. Terao property issues still in discussion with DoD.
- Phase 2: Bid Opening conducted 07/26/2024. Bid Submittals under review.

B-10 Tai Rd./ S-13 and Canada-Toto Lp./Blas St. M19-001BND
Waterline Replacement

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
10/01/2024	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, Bond 2020 MP-PW-Pipe-12, 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 approved on 8/2/24.

Taison Rd.: Complete.

Construction Change Order No. 6 pending. Additional street (Okso Ashley Rd.) that previously needed to be connected to the new 12" on Toto-Canada Loop has been completed by GWA PLU crew. Pending amendment to HDR's task order to either revise their CO to address a connection requested by Ops on Rd. S-13 (off of Tai Rd) or consider the project as complete and move on to close-out.

<u>B-11</u>	Asan Springs Rehabilitation	W11-003-BND
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
10/07/2024	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	87.1%

ACTIVITIES

Design:

Meeting with NPS to discuss ROW scheduled for 8/8/24.

Prior to NPS ROW agreement, NPS determine a need for GWA to provide a draft operations and maintenance plan with an equipment list, and a boundary survey with legal description done by HDR.

Discussion of design scope modification to include treatment for PFAS and GWUDI ongoing. Awaiting GEPA new GWUDI regulations and cost from designer. Pending additional scope from HDR.

Sequence of events: 1) NPS to issue FONSI, 2) HDR to provide SUP to perform boundary survey of ROW section, 3) GWA to provide draft O&M for NPS decision, 4) review and issue NPS ROW, 5) GWA may bid Asan Spring Construction and chosen Contractor will need to submit a Construction SUP.

B-12 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
10/07/2024	Brett Railey, P.E.	Ryan Diaz, 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-13 ID/IQ - Design and CM Asbestos Concrete Pipe for Waterline Replacement W22-05-BND

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
10/02/2024	Brett E. Railey, P.E.	Garrett Yeoh, William Esteves	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	07/11/2024		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.
 Agreement and TO-01 executed on 07/11/2024. Kick-off meeting conducted on 08/22/2024. Surveying and BOD development in progress.

B-14 ID/IQ - Design and CM for Waterline Replacement and Upgrades W22-04-BND

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
10/02/2024	Brett E. Railey, P.E.	Garrett Yeoh, William Esteves	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.

Agreement and Task Order 01 (\$1,439,732.00) signed 09/16/2024. NTP pending updated insurance from DCA.

B-15 ID/IQ - Design and CM Implementation of District Meter Areas W22-06-BND

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
10/02/2024	Brett E. Railey, P.E.	Garrett Yeoh, William Esteves	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.
Agreement and Task Order 01 (\$1,496,036.00) signed 09/16/2024. NTP pending updated insurance from DCA.

B-16	ID/IQ - Design and CM Undersized Waterline Replacement	W22-03-BND
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UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
10/02/2024	Brett E. Railey, P.E.	Garrett Yeoh, William Esteves	Water
<p>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.</p>			

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.
Agreement and Task Order 01 (\$1,371,033.00) being routed for ink signatures.

<u>B-17</u>	Santa Rita Springs Rehabilitation	12305
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
10/01/2024	Brett E. Railey, P.E.	Jessey Mendiola	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 advertised on 7/12/24

Revised scope of work includes PFAS treatment, Santa Rita tank relocation evaluation, GWUDI study and treatment (if needed), and addressing sanitary survey issues.

B-18 **Brigade II Booster Pump Station** **W11-004-BND**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
10/01/2024	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	99%
Construction Management			
Construction			

ACTIVITIES

Design:
100% design completed 8/2022. COP 6 paid out.

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

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

B-19 New Well Construction (AG-10, AG-12, Y-08)

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
10/01/2024	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-20 Northern and Southern Guam Reservoirs W14-007-BND

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
10/08/2024	Brett 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 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	\$1,514,701.00	14%
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	1%

ACTIVITIES

<p>Design:</p> <ul style="list-style-type: none"> Santa Rosa, Santa Rita, Sinifa, and Ugum No. 2 100% design completed. Inarajan and Agfayan BPS design ongoing (pending property acquisition for Agfayan). <p>Construction:</p> <ul style="list-style-type: none"> 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 Final Completion. Santa Rosa No. 1 and Sinifa No. 1 steel tanks change order for major repair have been issued. Repair work ongoing at both sites. 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
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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. Building permit still pending at DLM as of 05/31/2024. DLM approved and released on 06/13/24, both grading-clearing and building permits. The permits approval is now pending at GEPA.

GEPA approved both Clearing/Grading and Building permits 07/10/24. Both permits were submitted to DPW on 07/11/24. Submitted documents were lacking Traffic Control Plan required by DPW. TCP was provided by EOR and submitted to DPW on 7/18/24. DPW permits still pending.

Highway Encroachment Permit was approved on 08/19/24 and Building Permit was approved and released on 08/26/24. Contractor began mobilization by bringing in temporary facility materials including site office and storage, and installation of silt fence.

For the month of September, Contractor started installation of security fence, site clearing and grubbing, and potholing.

B-21 Tank Repair/Bypass W19-003-BND

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
08/09/2024	Brett E. Railey, P.E.	Garrett Yeoh, Ryan Diaz	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	79%

- 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: 09/03/24 in service.
 - Santa Ana: 11/21/23 in service.
 - Upper and Lower Nimitz: 10/01/24 in service.
 - Umatac Subdivision: Repair work ongoing.
 - Pigua: Change order for additional repair issued. Repair work ongoing.
 - Kaiser: Exterior coating ongoing.
 - Malojloj: Scope of work sent to Contractor for pricing. Change order anticipated to be issued Nov 2024.

<u>B-22</u>	Asan-Adelup-Hagatna Route 1 Sewer Rehabilitation and Replacement Phase II	S15-002-EPA
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 10/7/2024		Brown and Caldwell	Wastewater CIP
<p>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.</p>			

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
<p>Construction completed. Project manager to submit final records to GWA. Following up on final turnover items.</p>

**B-23 Southern SSES Sewer Rehabilitation Phase II S15-001-EPA
(Baza Gardens – Santa Rita – Talofoto)**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 10/7/2024		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.
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<u>B-24</u>	Tamuning Hot Spots Sewer Line Rehabilitation and Replacement (Base Contract)	S16-003-EPA
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 10/7/2024		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.

Working to closeout CM contract; sent letter requesting Release of Claims from CM, along with a Notification of Project Closeout on 7/5/24 giving AmOrient 30 days.

B-25 Yigo Sewer Pump Station Flood Mitigation and Facility Rehabilitation S18-001-BND

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 10/7/2024		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	75%
Construction	Bond 2020 MP-WW-Pump-01	\$1,201,305.13	90%

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 signed by GM and forwarded to Contractor (1/17/24).

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 programming. Met with IAN and MCS to discuss HLAP, and MCS visited site to determine needs for panel. After further negotiations, IAN submitted proposal for CO#4 work at \$69,998.39 (6/7/24). Producing CO#4 approved (8/5/24) and IAN given notice to move forward with CO work (8/6/24). IAN working with MCS to get High Level Alarm Panel (HLAP) and controls completed. MCS is currently finishing up configuring HLAP off site, and will install once all is ready. Will need to connect and reprogram pump controls once install.

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-27 **Fats, Oil, Grease Receiving Station** **S23-01-EPA**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 10/7/2024		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	12/2025	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); in procurement contracting. Approved by AGME (6/20/24) and Legal (7/2/24); GM approved (8/14/24).

Tentative kick-off meeting on week of 10/21/24, assuming NTP to be completed by 10/11/24 after insurance verified.

B-28 **Tumon & Tamuning Hot Spots** **S16-001-EPA**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 10/4/2024		Joseph Calvo	Wastewater
Sewer rehabilitation for sewer line between Holiday Resort and Guam Hyatt Hotel.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-01-ENG-2016	6/24/2016		TGE
Construction Management	RFP-04-ENG-2019	8/6/2024		B&C
Construction				

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	USEPA grants	\$572,089.00	Design 100%, construction support pending
Construction Management	USEPA grants	\$259,941.38	
	USEPA grants	\$8,248,000.00	

- ACTIVITIES**
1. The design has been completed. Designer is conducting a review and familiarization of design in preparation of rebid for construction by September.
 2. Construction Management is being handled through the Indefinite Delivery-Indefinite Quantity Islandwide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement.
 3. Met with TGE 7/18 to discuss project objectives and timelines. Began sending GWA standardized specs to TGE for their review for incorporation into the project.
 4. NTP for B&C Task Order 1 to complete a constructability review and provide CM services for the project on 8/6?
 5. Revised specifications submitted 9/6 and transmitted to B&C. Expected delivery of constructability review 9/20.
 6. B&C finalizing comments for constructability review. Anticipated completion 10/7-10/11

B-29 **Dungca Beach Sewer Line Relocation** **S20-001-EPA**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 10/7/2024		Rylma Nida A. Carino (PM)	Wastewater
<p>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.</p>			

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	USEPA Grant		
Construction			

ACTIVITIES

Phase I- Trankilo Street

1. GHD received the 90% Constructability review and incorporate into 100% design
2. The CCU Resolution approved
3. Change Order#2 were routed to Oracle for review and approval.
4. The 100% design were push to 5/26/2025 and completion date will be on 1/11/2027 due to the additional work.
5. A meeting with SHPO (Dr Peterson). GWA will submit a letter to SHPO describing the project details with attached maps indicating the project area along with the Memorial site.

Phase II Lagoon Drive

- a) 60% design accomplished.
- b) GWA, Land agent (Bobbie) request assistance to DPW to grant the easement heading to Lagoon Drive. GWA tried to coordinate with the relative of Maria Anderson Mantanane (lot owner) but not cooperating.
- c) GWA is pursuing a lot acquisitions for a new lift station (2, 500 sq ft) behind Shirley's generator spot. A Letter of Interest was sent to the Dr, Bez and Dr Annie Bordallo (Owner) and waiting for their response.

<u>B-30</u>	Fujita Sewage Pump Station Redundant Force Main	S20-003-EPA
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 10/7/2024		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 completed 14 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 submitted to SHPO week of 4/8/24. Borings completed; draft Geotech report submitted on 9/21/24 for review.

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 submitted CO#2 (6/3/24) for review; made additional comments and designer resubmitted (8/16/24). Includes drilling into old Tumon PS (Fujita) and assess possibility of using old PS as part of upgrade, as well as additional basis of design for Tumon PS to be used assuming it is structurally sound. Submitted CO#2 for CCU approval in September; CCU approved 9/25/24. Routing CO#2 for internal approval in October (for Phase I, \$145,894.58).

<u>B-31</u>	Hagatna Main Sewage Pump Station Redundant Force Main	S20-002-EPA
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 10/7/2024		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).

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. Moved forward with SPS design at a max of 16 mgd (3 pumps) for wet weather, and average daily of 7.5 mgd for purpose of BOD. GHD submitted draft Basis of Design (8/30/24); comments made and adjusting flow rate to have 2 pumps at 12mgd, and 1 pump at 7.5mgd, with 3 pumps flow rate TBD. GHD moving forward into draft 60% in October.

B-32	Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis	S20-004-BND
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 10/7/2024		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	\$180,499.00	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).
- DCA working on path forward on causeway, CO work, and additional scope for to include potential assessment on clarifiers, bypass on causeway, and SCADA/interim communication for Hagatna Main SPS.
- 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. Additional site walk through with DCA/MCS and GWA (5/17/24); MCS requested additional site visit (7/3/24) to finalize scope and fee.
- GWA reviewing SCADA/Interim communication scope; DCA finalized cost for SCADA/Comms scope at \$761,672.00 (7/24/24) as CO2; submitted for approval on 8/5/24, and still pending final approval in Docusign.
- DCA submitted additional scope for causeway and WWTP (clarifier, screening, & mechanical rehab) site assessment and design (9/10/24) for CO3 (\$116,964); submitted to CCU and approved by CCU 9/25/24; routing for CO3 approval in October.

Considering options for causeway rehabilitation.

<u>B-33</u>	Hagatna Wastewater Treatment Plant Interim Disinfection	S19-001-BND
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 10/7/2024			Wastewater CIP
<p>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.</p>			

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 3rd quarter of 2024.

B-34	Aplacho Drainage and Roadway Improvements	22202
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 10/7/2024		Rylma Carino	Wastewater
<p>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.</p>			

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**
1. Permit application and construction bid plans routed to GEPA. The required certificate training for Soil and Erosion Control was submitted. GEPA is waiting for the additional documents from the contractor (EPP plan and stormwater calculations)
 2. The contractor submit initial submittal for GWA 's review and approval today 09/10/2024.
 3. Pre -Construction meeting will be scheduled once the permit application approved.

B-35 Indefinite Delivery-Indefinite Quantity S22-002-BND
 Islandwide Sewer Collection/Transmission
 System Repair, Rehabilitation, and
 Replacement

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 10/7/2024		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
Project/ Construction Management	RFP-06-ENG-2022	06/2024	n/a	AECOM
Project/ Construction Management	RFP-06-ENG-2022	In Procurement	n/a	Brown and Caldwell
Design/Build Construction				

PHASE	FUNDING SOURCES	COST	% COMPLETE
PM/CM, AECOM	GWA Bonds, USEPA SRF Grants, SDC	\$938,097.04	0%
PM/CM, Brown and Caldwell	GWA Bonds, USEPA SRF Grants, SDC	\$989,532.00	0%
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.
 - TO No. 1: BC sent updated fees (4/4/24); 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. Revise Agreement and TO1 reviewed and signed by both AECOM (5/21/24) and BC (5/28/24). No CCU approval needed.
 - AECOM Agreement/TO1 hard copy routed for approval, with OPC routing to follow later; both hard copies (Agreement/TO1) signed by GM on 6/26/24 and NTP signed by AECOM for 7/1/24.
 - BC Agreement/TO1 hard copy routed for approval; GM approved (7/12/24). Insurance documents received and NTP on 8/7/24.
 - Negotiating scope for TO No. 2 for both AECOM and BC for CCTV work, and design of high priority gravity mains per CD, to include Capacity Assurance Projects and acute defects, as well as assistance with producing reports for EPA; seeking CCU approval in October.
 - Seeking CCU approval of TO2 costs: BC - \$3,962,296, AECOM - \$3,786,806.57
 - 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-36 Groundwater Production Meter Replacement W19-001-BND

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 10/08/2024	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: 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. D-19, Battery voltage readings were normal but found water inside the meter housing. After replacing electronic module, the meter worked. M-17B – Battery voltage was very low. Batteries, electronic module, and display module were all replaced and the meter worked. 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.
- 05/30/24 Ordered meter batteries arrived. Batteries for deep wells M-05 and M-17A are scheduled to be replaced 06/04.24.
- 06/05/24 Contractor received and installed ordered batteries for deep wells M-17A and M-05. The meter display worked after installation of batteries. All deficiencies have now been corrected.
- 07/31/00 A follow-up was sent to Contractor asking to submit the remaining closeout documents (as-built drawings were submitted 05/02/23).
- 08/08/24 Contractor submitted Release on Claim and Project Warranty.
- 08/23/24 Notice of Project Acceptability and Final Acceptance Letter were signed by AGME.
- 08/25/24 Contractor submitted its Invoice No. 10 (Final).
- 09/24/24 Jo Sanalila confirmed that this final payment will be processed thru the old system of using signed hard copy because it is for release of retention only. The final COP No. 10 was sent to Acting AGME for signature.

B-37 Ugum Water Treatment Plant Rehabilitation W22-10-BND

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
As of 10/08/2024	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 IDIQ PM/CM	07/06/2021	04/2022	Duenas, Camacho and Associates, Inc.
Construction Management	Task Order No. 3 IDIQ PM/CM		04/05/2025	Duenas, Camacho and Associates, Inc.
Construction	IFB-05-ENG-2023	02/05/2024	04/05/2025	SMCC

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	10%
Construction	2010/2013/2020 PW 09-01 2016 WW 11-03 2020 MP-PW-SWTP-02 2020 MP-PW-SWTP-03 EPA Grant M96902621	766,129.23 1,798,477.47 1,174,000.00 887,396.00 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.
05/31/2024 About 70% of the material submittals have been approved and ordered.
06/25/2024 Amendment No. 1 to DCA Task Order No. 3 has been approved through Oracle.
06/28/2024 Engineering and Operations met with DCA and its mechanical subconsultant. Proposed changes to Consultant's scope of work were discussed. Scope to include work that will address GEPA's 2024 significant deficiency findings in the treatment plant.
07/26/2024 Meeting with GM, AGME, AGMC&S, Senior Engineer Supervisors, Project Manager, O&M Water Production Manager, Ugum WTP Leader, and the CM about the improvements to Operations/Chemical Building that will address GEPA's deficiency findings. The group agreed on the option to take.
07/31/2024 Engineering commenced the preparation of the Operation/Chemical Building drawings that would show the proposed improvements.
08/31/2024 Processing review of product submittals. Magnetic flow meters and container location accepted. Schedule will be impacted due to delay on pump delivery. Contractor proposed a pump substitute, pending acceptance.
09/24/2024 Change Order No. 1 amounting to \$413,268.50 (reinstating the work items that were removed from the original scope due to funding limitations) was executed. Contractor delivered to the site spare valves for the Pipe Gallery.
09/25/2024 Copy of executed change order no. 1 was sent to DCA.

<u>B-38</u>	Design-Build of Pago Bay 12-inch Waterline Replacement	12303
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 08/31/2024	Barbara Ann C. Cruz, P.E.	Ernesto L. Villarin	Engineering Support
<p>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.</p>			

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 Sr Engineer Supervisor the General Conditions – Design Builder, EJCDC D-700.
04/30/2024	Review of the General Conditions – Design-Builder, EJCDC D-700 still in progress.
05/31/2024	Draft revisions to EJCDC General Conditions (D-700) and Supplementary Conditions (D-800) are > 90% complete.

06/26/2024	Completed revisions to EJCDC General Conditions (D-700).
07/2024	Received comments from AGME to move the terms and conditions, which are standard and common to CIPs, from D-800 to D-700.
08/18/2024	Submitted revised drafts of D-700 General Conditions and D-800 Supplementary Conditions for AGME review.

B-39 Current Balancing Unit for Deep Well A-09

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 08/31/2024	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 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.

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.

08/31/2024	Nothing to report at this time.
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B-40 Deep Well Power Line Conditioner Pilot Project

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 08/31/2024	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.
08/31/2024	Nothing to report at this time.

B-42 GWA Upper Tumon Campus Improvements

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 10/08/2024	Barbara Ann C. Cruz, P.E.	Ernesto L. Villarin	Engineering Support
<p>This project involves the following:</p> <ol style="list-style-type: none"> 1. Phase 1 - Upper Tumon Warehouse Renovation and Meter Testing Facility Repair 2. Phase 2 – Upper Tumon Customer Service Center Renovation and Laboratory Equipment Replacement <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.
05/31/2024	Draft revisions to EJCDC General Conditions (D-700) and Supplementary Conditions (D-800) are > 90% complete.
06/26/2024	Completed revisions to EJCDC General Conditions (D-700).
08/18/2024	Revised drafts of D-700 General Conditions and D-800 Supplementary Conditions submitted for AGME review.
08/28/2024	A PO for the repair of MTF to replace damaged metal roofing, second floor acoustic ceiling tiles, and mold infested gypsum board walls was awarded to R&E Builders for \$99,875.00.

<u>B-46</u>	Rojas-Harmon Stormwater Drainage Improvements Design	42306
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 09/01/2023	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	7/1/24	7/1/2025	GHD, Inc

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	SO-98T45501-01	\$871,765.99	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.
 Contract was approved. Notice to Proceed was issued on July 1, 2024.
 Design is ongoing. Lidar survey in progress.

L. Completed CIP Projects to date

1. Talofoto Sewer Improvement
2. Bayside Sewer Pump Station Rehabilitation
3. Casimiru Waterline Replacement
4. Reifsnider Street Waterline
5. Temporary Booster Pump Station Consolacion Street, Asan

GWA Work Session - October 15, 2024 - GWA GM REPORT

Guam Waterworks Authority		Date: 9/30/2024	 GUAM WATERWORKS AUTHORITY WATER DISTRIBUTION FACILITIES REPORT
		Time:	
REVIEWS			
TOTAL PUMPS INSTALLED	67	OVERALL AVERAGE	96%
TOTAL PUMPS OPERATIONAL	64	% OF OPERATING PUMPS	96%
TOTAL BOOSTER PUMP STATIONS	29		

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	3	100%	OP	A						
2	Gayinero	20	2	2	100%	OP	A						
3	Mataguac	25	2	1	50%	OP	A	Pump repairs completed, pending installation.					
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	2	100%	OP	A						
9	Agana Hieghts	30	3	3	100%	OP	A						
10	Nimitz Hill	7.5	2	2	100%	N/A							
11	Adawag	1.5	2	2	100%	N/A	N/A						
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	Asan	1.5	2	2	100%	N/A	N/A						
TOTAL = 14			33	31	94%								
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	7-1-24 .Damaged shaft. Pending quotation for repairs.	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						
Total=7			15	14	93%								
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						
Total=8			19	19	100%								
pump availability =no of operational pumps/no of pumps*100%													



Guam Waterworks Authority
VEHICLE FLEET STATUS
9/30/2024

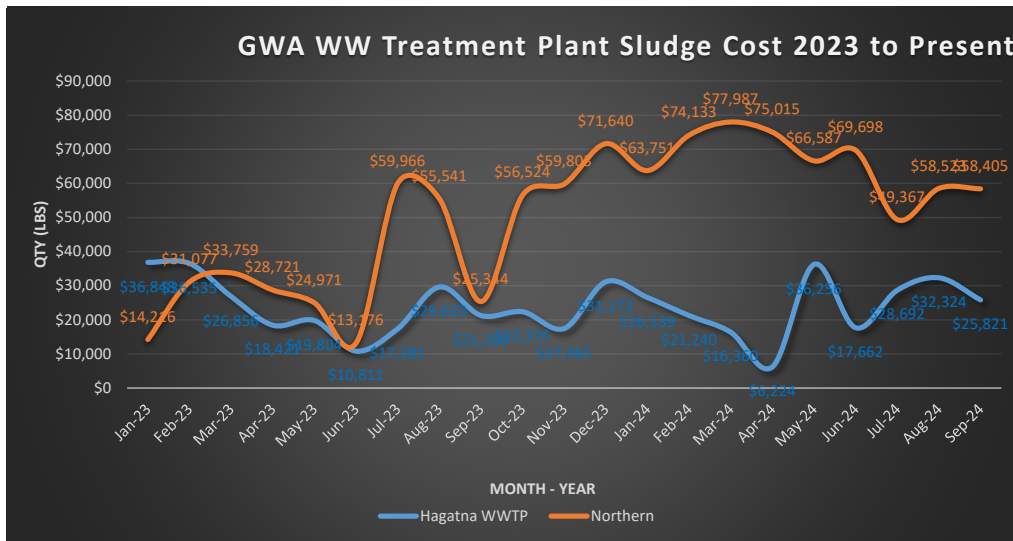
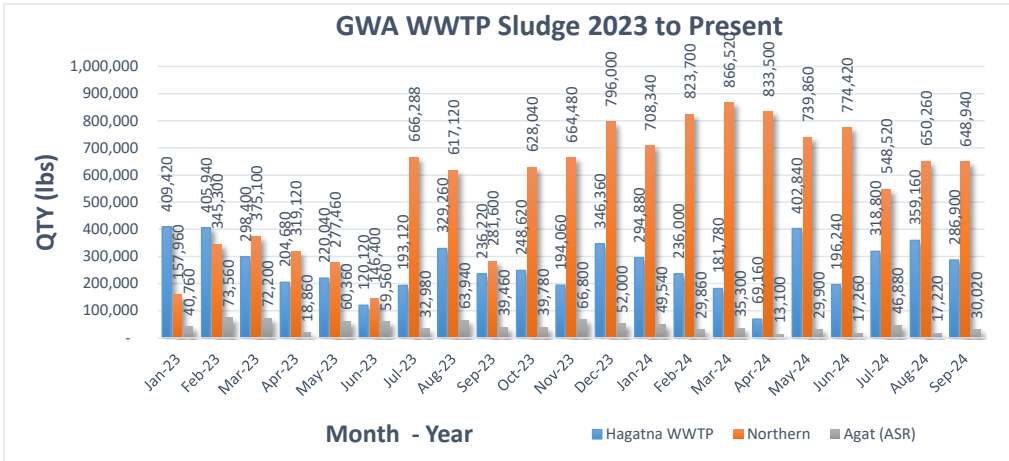
EQUIPMENT STATUS					SUMMARY						
Description	Number of Equipment	Number of Equipment Available	Number of Equipment Not Available	Percentage	Operational	Operational w/Rprs Pending	Not in Operation-Accident (Docs Pending)	Not in Operation-Assessment Pending	Not in Operation-Repairs Pending	Not in Operation-Vendor 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	1	1	50%	0	1	0	0	1	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	16	11	5	69%	10	1	0	0	0	4	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	135	104	31	77%	102	2	1	9	11	2	8
Mini Backhoe	2	0	2	0%	0	0	0	0	2	0	0
Pumper Truck	1	0	1	0%	0	0	0	0	0	0	1
Skidster	1	1	0	100%	1	0	0	0	0	0	0
Sludge Truck	3	2	1	67%	2	0	0	0	1	0	0
Tractor	2	2	0	100%	1	1	0	0	0	0	0
Tractor Mower	1	1	0	100%	0	1	0	0	0	0	0
Trailer	17	12	5	71%	12	0	0	2	3	0	0
Trencher	1	0	1	0%	0	0	0	0	0	0	1
Vacuum Truck	6	2	4	33%	2	0	0	0	2	0	2
Water Buffalo	2	0	2	0%	0	0	0	0	0	0	2
Water Tanker	6	2	4	33%	2	0	0	0	0	0	4
Compressor	1	1	0	100%	1	0	0	0	0	0	0
Total	216	156	60		150	6	1	11	21	7	20

Wastewater Treatment Plan Sludge Production and Disposal Expense Report 2023 and 2024

2023 Month- Yr	Hagatna WWTP		Northern		Agat (ASR)		Hagatna + Northern + Agat	
	Qty lbs	Cost \$	Qty lbs	Cost \$	Qty lbs	Cost \$	Qty lbs	Cost \$
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
Grand Total	3,206,240	\$288,562	5,274,868	\$474,738	620,260	\$55,823	9,101,368	\$819,123
Monthly Avg	267,187	\$24,047	439,572	\$39,562	51,688	\$4,652	758,447	\$68,260

2024 Month- Yr	Hagatna WWTP		Northern		Agat (ASR)		Hagatna + Northern + Agat	
	Qty lbs	Cost \$	Qty lbs	Cost \$	Qty lbs	Cost \$	Qty lbs	Cost \$
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	402,840	\$36,256	739,860	\$66,587	29,900	\$2,691	1,172,600	\$105,534
Jun-24	196,240	\$17,662	774,420	\$69,698	17,260	\$1,553	987,920	\$88,913
Jul-24	318,800	\$28,692	548,520	\$49,367	46,880	\$4,219	914,200	\$82,278
Aug-24	359,160	\$32,324	650,260	\$58,523	17,220	\$1,550	1,026,640	\$92,398
Sep-24	286,900	\$25,821	648,940	\$58,405	30,020	\$2,702	965,860	\$86,927
Oct-24		\$0		\$0		\$0	-	\$0
Nov-24		\$0		\$0		\$0	-	\$0
Dec-24		\$0		\$0		\$0	-	\$0
Grand Total	2,345,760	\$211,118	6,594,060	\$593,465	269,080	\$24,217	9,208,900	\$828,801
Monthly Avg	260,640	\$17,593	732,673	\$49,455	29,898	\$2,018	767,408	\$69,067

Hagatna and Northern WWTP Sludge Report 2023 to present, GWA Operations kcog / da, 10/12/2024

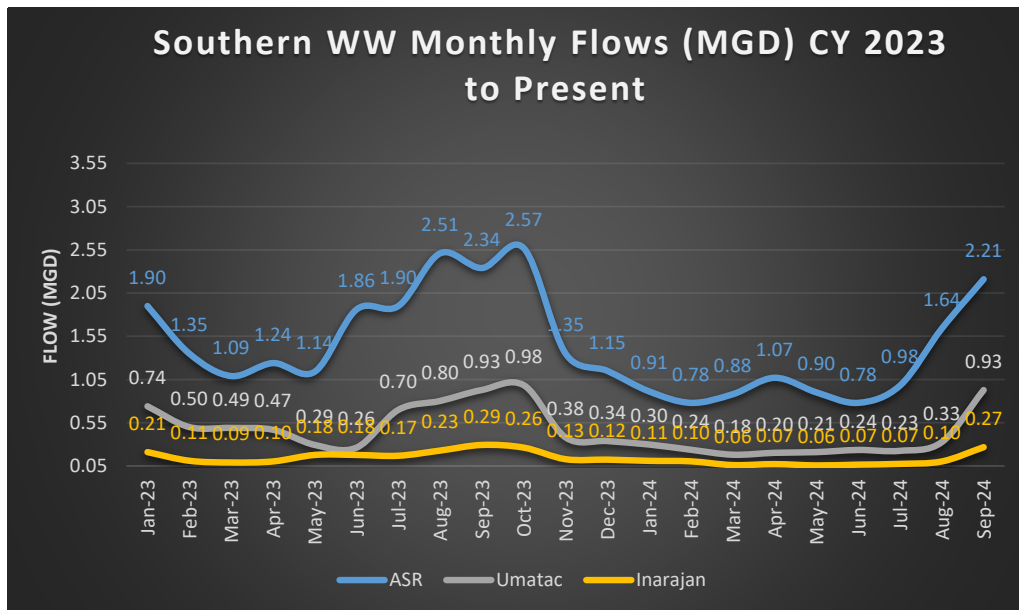
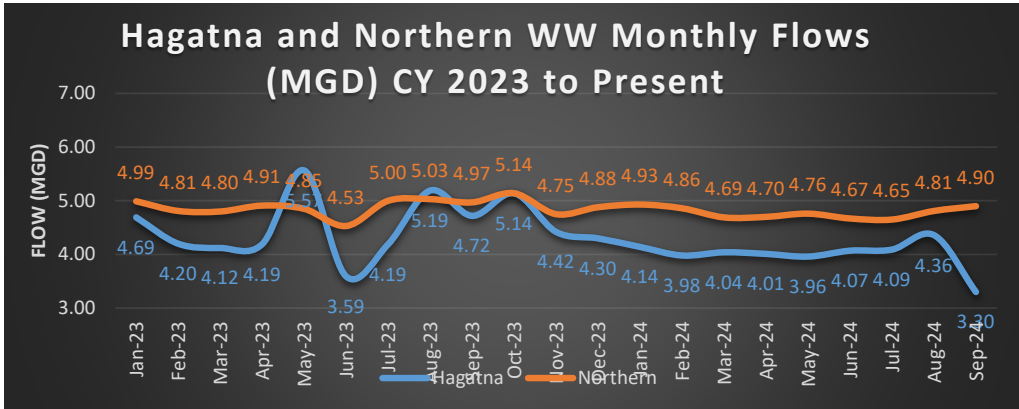


Hagatna and Northern WWTP Sludge Report 2023 to present, GWA Operations kcog / da, 10/12/2024

Wastewater Treatment Plant Average Monthly Flows Million Gallons Per Day

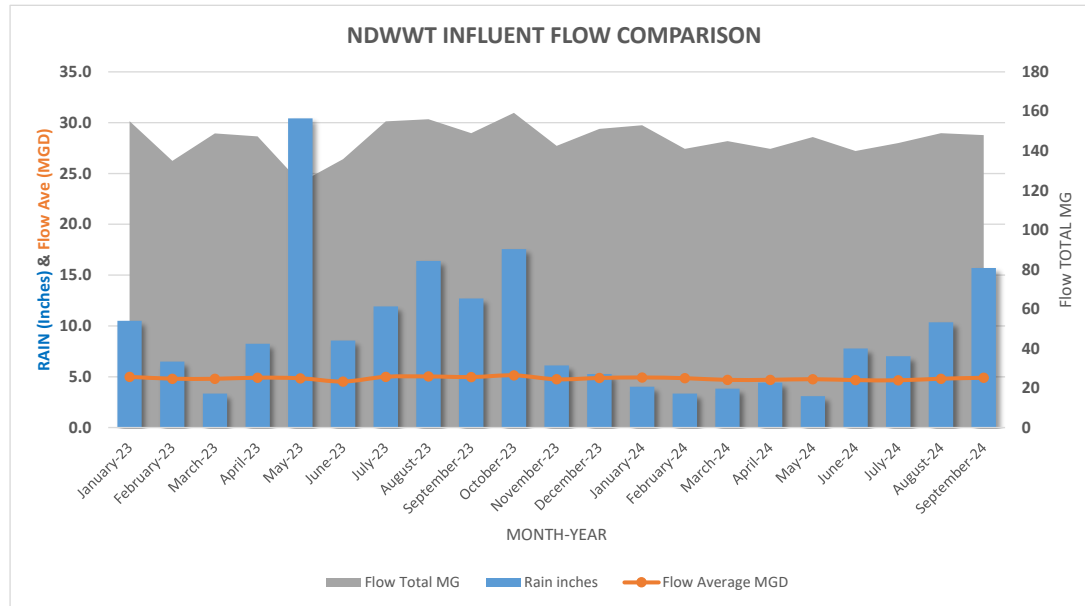
2023	Hagatna	Northern	ASR	Umatac	Inarajan
Jan-23	4.69	4.99	1.90	0.74	0.21
Feb-23	4.20	4.81	1.35	0.50	0.11
Mar-23	4.12	4.80	1.09	0.49	0.09
Apr-23	4.19	4.91	1.24	0.47	0.10
May-23	5.57	4.85	1.14	0.29	0.18
Jun-23	3.59	4.53	1.86	0.26	0.18
Jul-23	4.19	5.00	1.90	0.70	0.17
Aug-23	5.19	5.03	2.51	0.80	0.23
Sep-23	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
2023 Average MGD	4.53	4.89	1.70	0.57	0.11
2023 Total MGY	1,654	1,785	622	210	63

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	3.96	4.76	0.90	0.21	0.06
Jun-24	4.07	4.67	0.78	0.24	0.07
Jul-24	4.09	4.65	0.98	0.23	0.07
Aug-24	4.36	4.81	1.64	0.33	0.10
Sep-24	3.30	4.90	2.21	0.93	0.27
Oct-24					
Nov-24					
Dec-24					
2024 Average MGD	3.99	4.77	1.13	0.32	0.10
2024 Total MGY	1,091	1,303	308	86	27



NDWWT INFLUENT FLOW vs RAIN COMPARISON

Date	Rain inches	Flow Average MGD	Flow Total 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	3.1	4.76	147
June-24	7.8	4.67	140
July-24	7.0	4.65	144
August-24	10.4	4.81	149
September-24	15.7	4.90	148
October-24			
November-24			
December-24			



GWA Work Session - October 15, 2024 - GWA GM REPORT



Guam Waterworks Authority		Date: 10/7/2024
REVIEWS		
TOTAL PUMPS INSTALLED	186	OVERALL AVERAGE 83%
TOTAL PUMPS OPERATIONAL	155	% 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	2	50%	GPA	A	Pump #1 repairs were completed and installed. #1 is still secured due to burnt VFD. VFD needs replacing. VFD #3 is secured due to burnt VFD. Using #3 soft starter from Rt 16 to run pump. Pump #4 is secured due to burnt VFD. All pumps are operational. #1/#4 secured due to VFDs are burnt.	P#1 WO # 1429516 P#3 WO # 1470318 P#4 WO # 1471325	Engineering, PIT, and electricians are working with vendor to switch to soft starters.			pending OR from IT
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 P#4 WO 1376739	VFD #2 and #3 are inoperable and in need of replacement. (PIT are working on new replacement)			P#2 OR 54967 (pending PO) P#4 PO 502730 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				GEN # 202400262 (Pending PO)
5	HARMON	2	2	2	100%	GPA	A						
6	ROUTE 16	1	4	2	50%	GPA	M	P#1 was installed but is secured due to reading low amperage. Pending further investigation (possible worn impeller). P#3 secured 9/15/22 due to damaged volute and defective check valve. #4 back online using new softstarter.	P#3 WO #1332734	VFD #3 needs to be replaced. (PIT are working on new replacement) Calvin will be working on write up for new pumps, valves, and pedestals for #3 & #4.			
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	HABA ADAI	2	2	1	50%	GPA	A	Pump #2 was removed due to motor was grounded.	WO# 1417247				PO 700474 (pending approval)
14	YPAO PAO	1	3	2	67%	GPA	N/A	7/5/23 Pump #1 shorted as per electricians.	WO #1376323				P#1 20004 (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				PO 700468 (pending approval)
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 PO 700467 (pending approval)
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 - October 15, 2024 - GWA GM REPORT



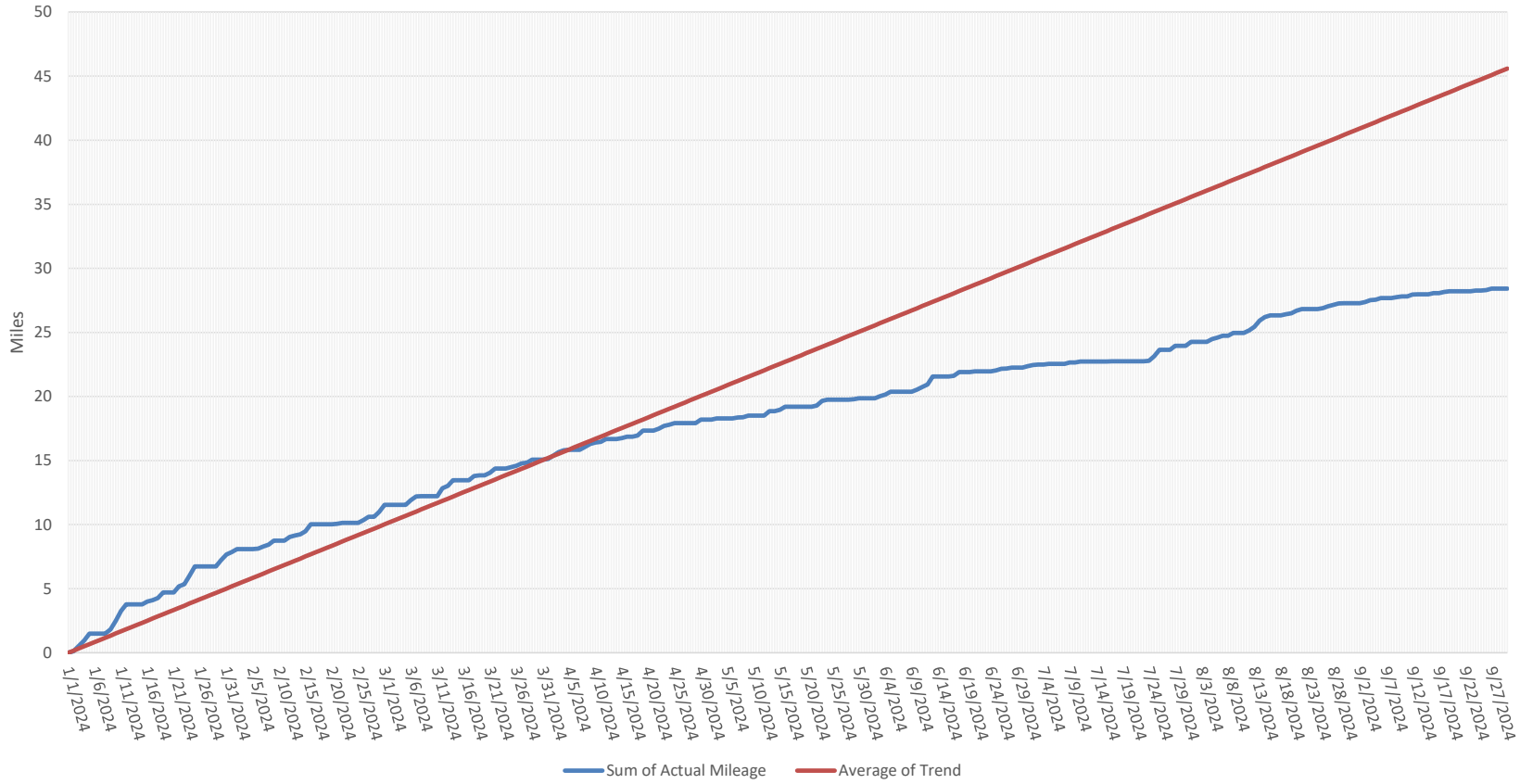
Guam Waterworks Authority			Date: 10/7/2024										
REVIEWS					OVERALL AVERAGE								
TOTAL PUMPS INSTALLED	186				83%								
TOTAL PUMPS OPERATIONAL	155				% OF OPERATING PUMPS	83%							
TOTAL PUMP STATIONS	84												
Central District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED 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	M						
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 repping 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	2	100%	INOP	A						
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	2	100%	Portable	A						
25	MAITE	2	2	1	50%	GPA	A	Motor #1 was removed and installed at Namu.					
26	BAYSIDE	2	2	2	100%	INOP	A	Pump #1/#2 softstarters are defective. Using contactor to bypass Softstarters for the meantime.	P1 WO #1466478 P2 WO #1464293				
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. (PIT 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.	WO #1452742				
Total	30		66	57	86%								

GWA Work Session - October 15, 2024 - GWA GM REPORT



Guam Waterworks Authority		Date: 10/7/2024											
REVIEWS													
TOTAL PUMPS INSTALLED	186	OVERALL AVERAGE	83%										
TOTAL PUMPS OPERATIONAL	155	% OF OPERATING PUMPS	83%										
TOTAL PUMP STATIONS	84												
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 #2 was removed due to seal failure.	P #2 WO - 1461123	#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 P#2 PO 700462 (pending approval)
2	PUMP STATION #11	2	2	1	50%	INOP	AUTO	Pump #2 was secured due to check valve issues. Pending further investigation.	WO # 1479177				
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	1	50%	OP	AUTO	Pump #1 was secured due to defective line backer. Pending replacement from electricians.	WO #1475399				
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				PO 700473 (pending approval)
13	CHALIGAN	2	2	2	100%	OP	MAN						
14	EJECTOR #2	2	2	2	100%	PORTABLE /INOP	NA						
15	EJECTOR #3	2	2	1	50%	PORTABLE /INOP	NA	Compressor #2 secured due to compressor not building air.	WO #1377595				OR 11176 (pending PO)
16	EJECTOR #4	2	2	1	50%	PORTABLE /INOP	NA	#1 is secured due to defective motor.	WO#1465108				OR 11175 (pending PO)
17	EJECTOR #5	2	2	2	100%	PORTABLE/INOP	NA	#2 was removed and installed at Ejector 7.					
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 and motor from Ejector 5 on line #2.	WO #1399569				OR 11176/11175 (pending PO)
20	NORTH REYES	2	2	2	100%	PORTABLE/INOP	NA						
21	LEYON #3 (DanDan)	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. 66067 installed at Windward on line #2. 66068 was removed due to hairline crack on shaft currently at maintenance for repairs. 66069 was removed on 1/8/24 due to seal failure.	66068 WO#-1472810 66069 WO#-1418194				66068 PO 700344 OR 55197 (pending PO) 66069
25	Windward Hills	1	3	2	67%	OP	AUTO	61079 currently installed at baza #2 61105 installed on line #1. 61106 was removed due to seal failure. 61107 was removed 9/29 and brought to maintenance shop due to low megger and seal failure.	61106 - WO # 1461495 61107 - WO #1398233	PO 501369 for valves (pending approval)			61106 - pending OR 61107 OR 54740 (pending PO)
26	Aplacho	1	3	2	67%	OP	AUTO	7027 was removed and brought to maintenance due to motor grounded. 7029 was removed and sent to vendor due to motor grounded. 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.	7027 - WO #1463219 7029 - WO #1463215 7030 - WO #1374300				7027 - PO 700413 (pending approval) 7029 - PO 700415 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 was sent to vendor for repairs.	WO #1399563				PO 700302
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	58	85%								

As of September 2024 CCTV/Sewer Cleaning Graph



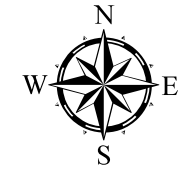
Row Labels	Total Mileage of Sewer Lines Cleaned	Required Mileage of Sewer Lines to be Cleaned	Percent Completion
2024-01	7.67	5.21	147.2%
2024-02	3.33	4.87	68.3%
2024-03	4.09	5.21	78.5%
2024-04	3.11	5.04	61.7%
2024-05	1.67	5.21	32.1%
2024-06	2.39	5.04	47.4%
2024-07	1.70	5.21	32.6%
2024-08	3.33	5.21	64.0%
2024-09	1.14	5.04	22.7%
Grand Total	28.42	46.02	→6,207 ft / 5 days = 1,241.4 ft required to be completed daily








Court Order Unit Work for September



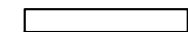
Location Map



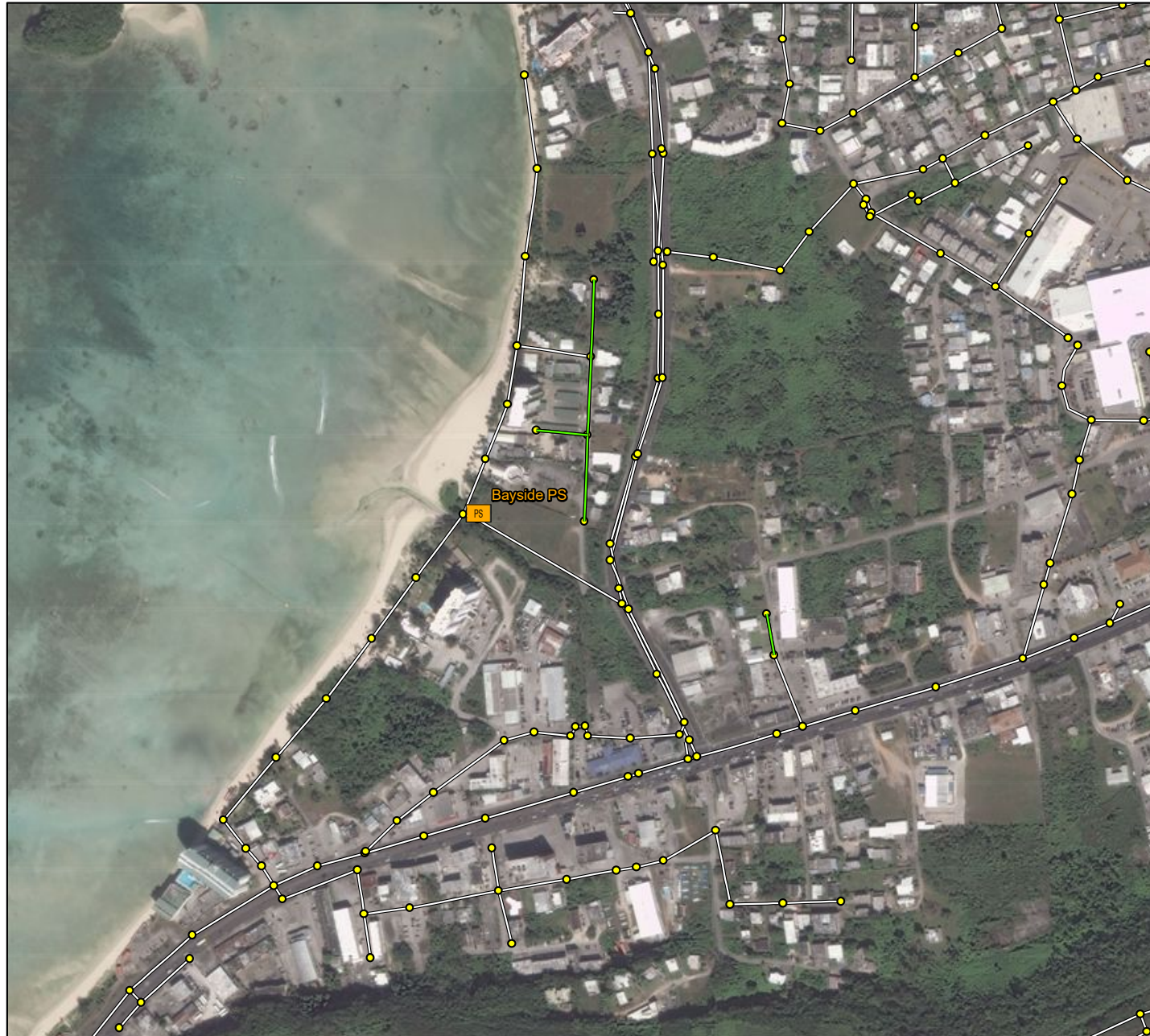
Legend

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

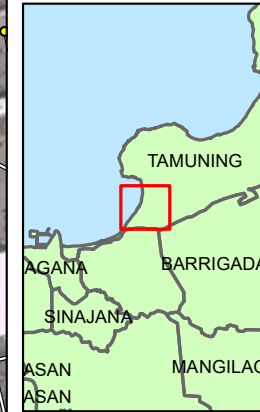
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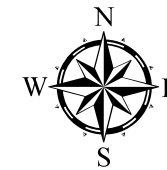
1 inch = 500 feet








Court Order Unit
Work for September



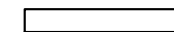
Location Map



Legend

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

Scale
500



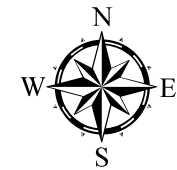
1 inch = 500 feet








Court Order Unit Work for September



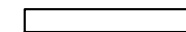
Location Map



Legend

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

Scale
500



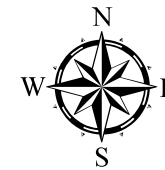
1 inch = 500 feet








Court Order Unit Work for September



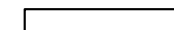
Location Map



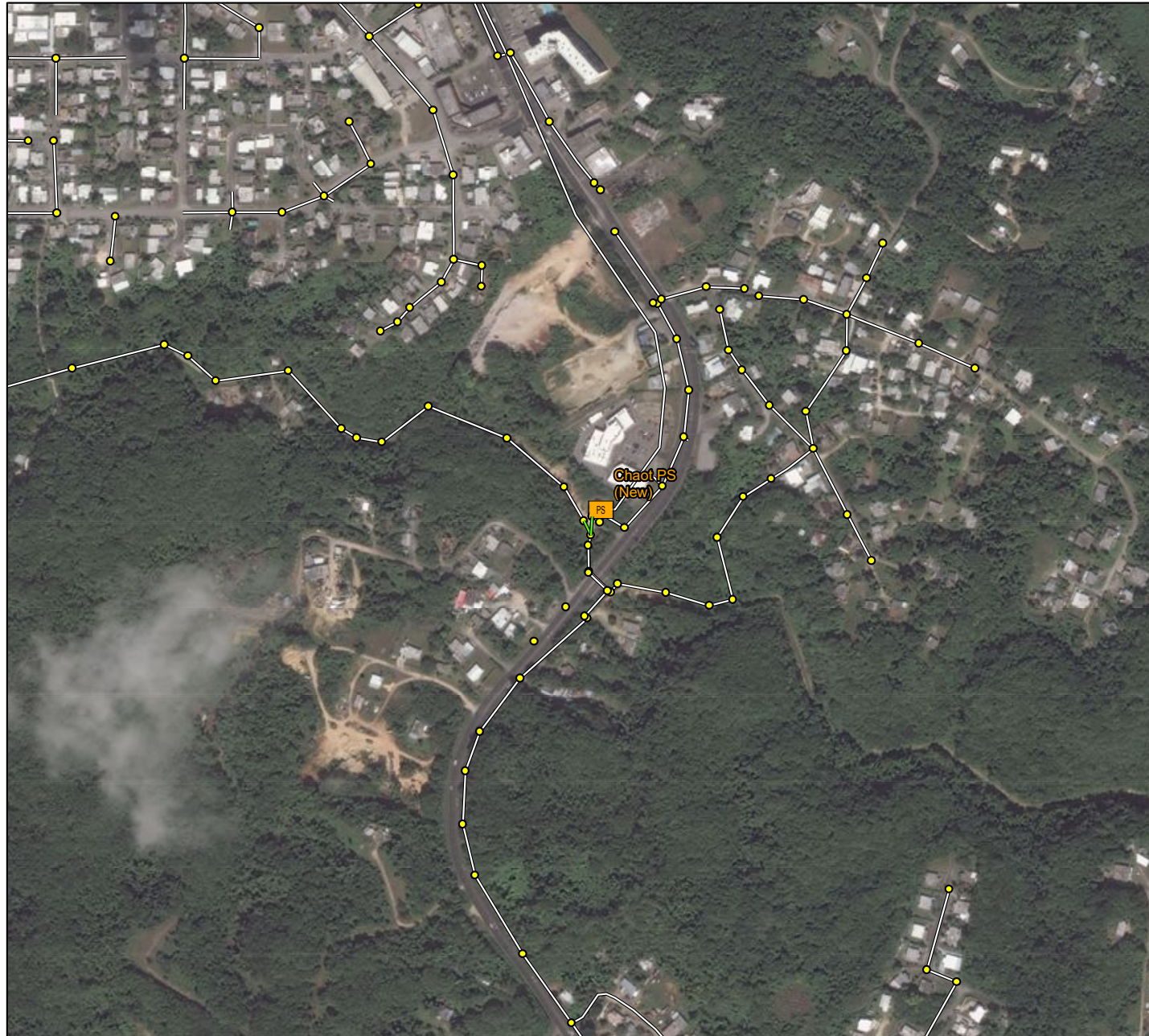
Legend

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

Scale
500



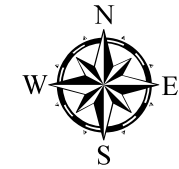
1 inch = 500 feet








Court Order Unit Work for September



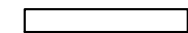
Location Map



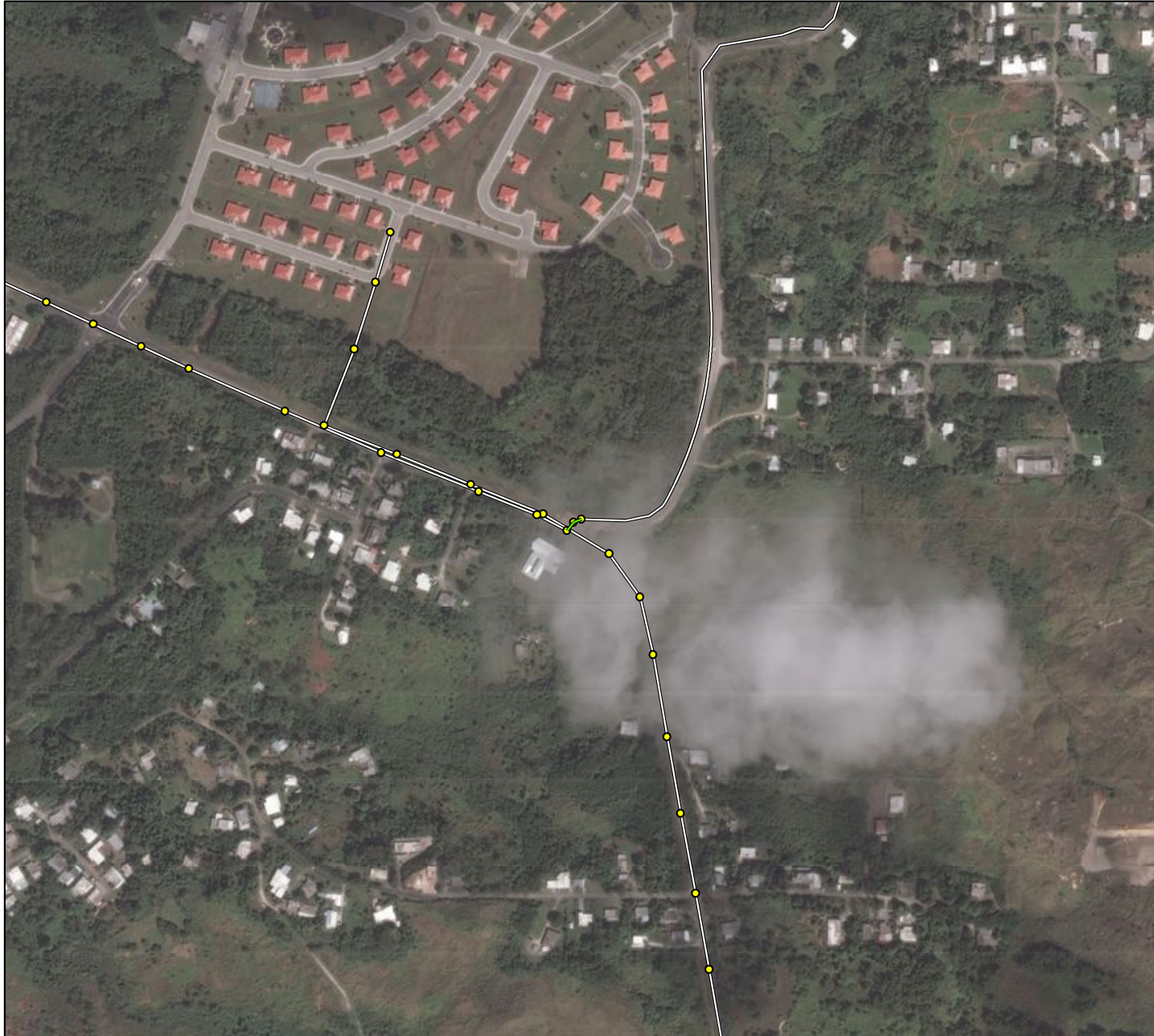
Legend

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

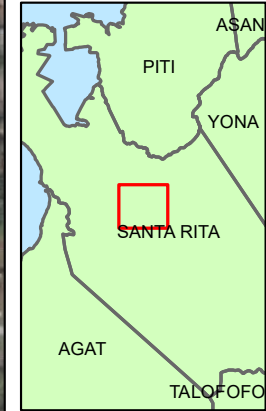
Scale
500



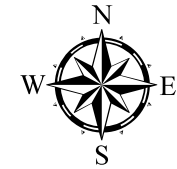
1 inch = 500 feet








Court Order Unit Work for September



Location Map



Legend

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

Scale
500



1 inch = 500 feet

GWA Work Session - October 15, 2024 - GWA GM REPORT

UGUM WATER TREATMENT PLANT
DAILY OPERATION'S REPORT

#308 Paulino Heights Road Talofofo, Guam 96932

Sep-24

	DISTRIBUTION												Ugum Production		Ugum Demand		Total Chemical Usage		BACKWASH	RECYCLE BACKWASH							
	TIME	NTU	CL2	TIME	NTU	CL2	TIME	NTU	CL2	TIME	NTU	CL2	TIME	NTU	CL2	TIME	NTU	CL2		GPM	MGD	GPM	MGD	Chlorine (lbs.)	ACH (Gal)	GPM	MGD
1	2400	0.04	1.4	400	0.05	1.3	800	0.06	1.2	1200	0.07	1.2	1600	0.06	1.2	2000	0.10	1.2	1,285	1,850,400	1,204	1,733,760	38.0	7.70	233,280	162	233,280
2	2400	0.11	1.3	400	0.10	1.4	800	0.07	1.4	1200	0.09	1.4	1600	0.07	1.4	2000	0.08	1.4	1,192	1,716,480	1,220	1,756,800	40.0	7.80	230,400	160	230,400
3	2400	0.06	1.4	400	0.07	1.4	800	0.07	1.4	1200	0.07	1.4	1600	0.07	1.4	2000	0.08	1.4	1,226	1,765,440	1,170	1,684,800	40.0	7.70	231,840	161	231,840
4	2400	0.06	1.6	400	0.07	1.6	800	0.07	1.5	1200	0.07	1.6	1600	0.07	1.6	2000	0.07	1.6	1,177	1,694,880	1,158	1,667,520	41.0	7.80	234,720	163	234,720
5	2400	0.06	1.8	400	0.07	1.8	800	0.08	1.6	1200	0.09	1.6	1600	0.11	1.4	2000	0.08	1.4	870	1,252,800	1,116	1,607,040	25.0	23	136,800	95	136,800
6	2400	0.08	1.5	400	0.08	1.3	800	0.07	1.4	1200	0.08	1.3	1600	0.10	1.2	2000	0.08	1.3	1,228	1,768,320	1,060	1,526,400	32.0	44.6	230,400	160	230,400
7	2400	0.08	1.3	400	0.07	1.3	800	0.08	1.3	1200	0.08	1.3	1600	0.08	1.4	2000	0.07	1.3	1,134	1,632,960	1,101	1,585,440	32.0	29.3	184,320	128	184,320
8	2400	0.07	1.4	400	0.08	1.3	800	0.06	1.2	1200	0.07	1.2	1600	0.07	1.4	2000	0.09	1.3	1,275	1,836,000	1,277	1,838,880	31.0	23	187,200	130	187,200
9	2400	0.07	1.2	400	0.08	1.3	800	0.07	1.3	1200	0.07	1.4	1600	0.09	1.6	2000	0.07	1.7	1,334	1,920,960	1,213	1,746,720	40.0	20.5	236,160	164	236,160
10	2400	0.06	1.6	400	0.06	1.6	800	0.07	1.6	1200	0.09	1.6	1600	0.07	1.6	2000	0.07	1.6	1,321	1,902,240	1,181	1,700,640	41.0	17.9	236,160	164	236,160
11	2400	0.06	1.6	400	0.08	1.6	800	0.07	1.4	1200	0.07	1.3	1600	0.07	1.6	2000	0.07	1.9	567	816,480	864	1,244,160	20.0	20.50	138,240	96	138,240
12	2400	0.07	1.8	400	0.08	1.8	800	0.09	1.7	1200	0.09	1.7	1600	0.08	1.8	2000	0.08	1.6	1,139	1,640,160	1,010	1,454,400	43.0	37.1	182,880	127	182,880
13	2400	0.10	1.6	400	0.08	1.8	800	0.09	1.5	1200	0.08	1.5	1600	0.08	1.6	2000	0.09	1.5	1,124	1,618,560	1,208	1,739,520	34.0	25.4	141,120	98	141,120
14	2400	0.08	1.4	400	0.08	1.6	800	0.09	1.6	1200	0.09	1.6	1600	0.09	1.6	2000	0.06	1.6	1,313	1,890,720	994	1,431,360	32.0	43.3	188,640	131	188,640
15	2400	0.09	1.6	400	0.08	1.5	800	0.06	1.6	1200	0.06	1.5	1600	0.08	1.6	2000	0.07	1.8	1,143	1,645,920	1,021	1,470,240	37.0	33	190,080	132	190,080
16	2400	0.08	1.6	400	0.08	1.5	800	0.09	1.5	1200	0.07	1.6	1600	0.07	1.6	2000	0.07	1.6	684	984,960	1,084	1,560,960	19.0	33.7	95,040	66	95,040
17	2400	0.07	1.6	400	0.07	1.5	800	0.06	1.6	1200	0.07	1.6	1600	0.09	1.5	2000	0.08	1.6	1,161	1,671,840	736	1,059,840	31.0	27.6	240,480	167	240,480
18	2400	0.06	1.5	400	0.07	1.6	800	0.07	1.6	1200	0.07	1.6	1600	0.07	1.5	2000	0.08	1.6	1,309	1,884,960	1,166	1,679,040	36.0	17.1	236,160	164	236,160
19	2400	0.07	1.4	400	0.07	1.4	800	0.08	1.6	1200	0.09	1.6	1600	0.07	1.6	2000	0.08	1.6	1,279	1,841,760	1,217	1,752,480	37.0	15.2	144,000	100	144,000
20	2400	0.06	1.4	400	0.07	1.5	800	0.08	1.6	1200	0.08	1.6	1600	0.09	1.6	2000	0.08	1.6	1,235	1,778,400	1,251	1,801,440	36.0	15.20	288,000	200	288,000
21	2400	0.07	1.5	400	0.09	1.6	800	0.08	1.6	1200	0.08	1.5	1600	0.07	1.6	2000	0.07	1.4	1,245	1,792,800	1,229	1,769,760	37.0	17.70	190,080	132	190,080
22	2400	0.09	1.6	400	0.08	1.4	800	0.09	1.5	1200	0.09	1.5	1600	0.07	1.6	2000	0.07	1.8	1,287	1,853,280	1,218	1,753,920	36.0	25.60	233,280	162	233,280
23	2400	0.08	1.6	400	0.07	1.6	800	0.09	1.5	1200	0.11	1.4	1600	0.10	1.6	2000	0.08	1.4	946	1,362,240	1,202	1,730,880	27.0	42.10	144,000	100	144,000
24	2400	0.07	1.8	400	0.08	1.8	800	0.09	1.4	1200	0.07	1.2	1600	0.08	1.4	2000	0.07	1.6	1,301	1,873,440	1,185	1,706,400	37.0	28.10	282,240	196	282,240
25	2400	0.07	1.8	400	0.08	1.8	800	0.06	1.6	1200	0.06	1.4	1600	0.08	1.5	2000	0.07	1.4	1,307	1,882,080	1,178	1,696,320	37.0	20.40	283,680	197	283,680
26	2400	0.08	1.6	400	0.09	1.6	800	0.10	1.6	1200	0.09	1.5	1600	0.08	1.4	2000	0.09	1.5	1,309	1,884,960	1,174	1,690,560	35.0	27.50	190,080	132	190,080
27	2400	0.07	1.6	400	0.08	1.6	800	0.07	1.4	1200	0.08	1.5	1600	0.09	1.4	2000	0.09	1.5	1,278	1,840,320	1,169	1,683,360	35.0	21.70	187,200	130	187,200
28	2400	0.06	1.5	400	0.08	1.6	800	0.08	1.5	1200	0.08	1.5	1600	0.09	1.5	2000	0.08	1.6	1,160	1,670,400	1,186	1,707,840	29.0	19.00	190,080	132	190,080
29	2400	0.08	1.6	400	0.07	1.6	800	0.09	1.5	1200	0.07	1.5	1600	0.08	1.4	2000	0.08	1.6	1,251	1,801,440	1,211	1,743,840	31.0	15.10	237,600	165	237,600
30	2400	0.07	1.4	400	0.08	1.4	800	0.09	1.2	1200	0.08	1.1	1600	0.09	1.5	2000	0.08	1.6	1,268	1,825,920	1,189	1,712,160	32.0	15.10	195,840	136	195,840

Received By:

Date:


GWA Work Session - October 15, 2024 - GWA GM REPORT

Ugum Surface Water Treatment Plant Monthly Report: September, 2024



DATE	CHEMICAL USAGE												River Pumps		RECYCLE BACKWASH PROCESS		NPOES PERMIT DISCHARGE GALLONS	PLANT PRODUCTION		PLANT DEMAND	
	CHLORINE GAS LBS.	CHLORINE COST \$\$\$	ACH GALLONS	ACH COST \$\$\$	SODIUM BISULFITE GALLONS	SODIUM BISULFITE COST \$\$\$	SODIUM HYDROXIDE GALLONS	SODIUM HYDROXIDE COST \$\$\$	CITRIC ACID GALLONS	CITRIC ACID COST \$\$\$	SULFURIC ACID GALLONS	SULFURIC ACID COST \$\$\$	GPM	MGD	FILTER BACKWASH GALLONS	RECYCLED BACKWASH GALLONS		AVERAGE GPM	TOTAL GALLONS	AVERAGE GPM	TOTAL GALLONS
Sep-24																					
1	38	\$127.30	7.70	\$73.30		\$0.00	\$0.00		\$0.00		\$0.00		1,285	1,850,400	233,280	233,280		1,285	1,850,400	1,204	1,733,760
2	40	\$134.00	7.80	\$74.26		\$0.00	\$0.00		\$0.00		\$0.00		1,192	1,716,480	230,400	230,400		1,192	1,716,480	1,220	1,756,800
3	40	\$134.00	7.70	\$73.30		\$0.00	\$0.00		\$0.00		\$0.00		1,226	1,765,440	231,840	231,840		1,226	1,765,440	1,170	1,684,800
4	41	\$137.35	7.80	\$74.26		\$0.00	\$0.00		\$0.00		\$0.00		1,177	1,694,880	234,720	234,720		1,177	1,694,880	1,158	1,667,520
5	25	\$83.75	23.00	\$218.96		\$0.00	\$0.00		\$0.00		\$0.00		870	1,252,800	136,800	136,800	16,207	859	1,236,593	1,116	1,607,040
6	32	\$107.20	44.60	\$424.59		\$0.00	\$0.00		\$0.00		\$0.00		1,228	1,768,320	230,400	230,400		1,228	1,768,320	1,060	1,526,400
7	32	\$107.20	29.30	\$278.94		\$0.00	\$0.00		\$0.00		\$0.00		1,134	1,632,960	184,320	184,320		1,134	1,632,960	1,101	1,585,440
8	31	\$103.85	23.00	\$218.96		\$0.00	\$0.00		\$0.00		\$0.00		1,275	1,836,000	187,200	187,200		1,275	1,836,000	1,277	1,838,880
9	40	\$134.00	20.50	\$195.16		\$0.00	\$0.00		\$0.00		\$0.00		1,334	1,920,960	236,160	236,160		1,334	1,920,960	1,213	1,746,720
10	41	\$137.35	17.90	\$170.41		\$0.00	\$0.00		\$0.00		\$0.00		1,321	1,902,240	236,160	236,160		1,321	1,902,240	1,181	1,700,640
11	20	\$67.00	20.50	\$195.16		\$0.00	\$0.00		\$0.00		\$0.00		567	816,480	138,240	138,240		567	816,480	864	1,244,160
12	43	\$144.05	37.10	\$353.19		\$0.00	\$0.00		\$0.00		\$0.00		1,139	1,640,160	182,880	182,880		1,139	1,640,160	1,010	1,454,400
13	34	\$113.90	25.40	\$241.81		\$0.00	\$0.00		\$0.00		\$0.00		1,124	1,618,560	141,120	141,120		1,124	1,618,560	1,208	1,739,520
14	32	\$107.20	43.30	\$412.22		\$0.00	\$0.00		\$0.00		\$0.00		1,313	1,890,720	188,640	188,640		1,313	1,890,720	994	1,431,360
15	37	\$123.95	33.00	\$314.16		\$0.00	\$0.00		\$0.00		\$0.00		1,143	1,645,920	190,080	190,080		1,143	1,645,920	1,021	1,470,240
16	19	\$63.65	33.70	\$320.82		\$0.00	\$0.00		\$0.00		\$0.00		684	984,960	95,040	95,040		684	984,960	1,084	1,560,960
17	31	\$103.85	27.60	\$262.75		\$0.00	\$0.00		\$0.00		\$0.00		1,161	1,671,840	240,480	240,480		1,161	1,671,840	736	1,059,840
18	36	\$120.60	17.10	\$162.79		\$0.00	\$0.00		\$0.00		\$0.00		1,309	1,884,960	236,160	236,160		1,309	1,884,960	1,166	1,679,040
19	37	\$123.95	15.20	\$144.70		\$0.00	\$0.00		\$0.00		\$0.00		1,279	1,841,760	144,000	144,000		1,279	1,841,760	1,217	1,752,480
20	36	\$120.60	15.20	\$144.70		\$0.00	\$0.00		\$0.00		\$0.00		1,235	1,778,400	288,000	288,000		1,235	1,778,400	1,251	1,801,440
21	37	\$123.95	17.70	\$168.50		\$0.00	\$0.00		\$0.00		\$0.00		1,245	1,792,800	190,080	190,080		1,245	1,792,800	1,229	1,769,760
22	36	\$120.60	25.60	\$243.71		\$0.00	\$0.00		\$0.00		\$0.00		1,287	1,853,280	233,280	233,280		1,287	1,853,280	1,218	1,753,920
23	27	\$90.45	42.10	\$400.79		\$0.00	\$0.00		\$0.00		\$0.00		946	1,362,240	144,000	144,000		946	1,362,240	1,202	1,730,880
24	37	\$123.95	28.10	\$287.51		\$0.00	\$0.00		\$0.00		\$0.00		1,301	1,873,440	282,240	282,240		1,301	1,873,440	1,185	1,706,400
25	37	\$123.95	20.40	\$194.21		\$0.00	\$0.00		\$0.00		\$0.00		1,307	1,882,080	283,680	283,680		1,307	1,882,080	1,178	1,696,320
26	35	\$117.25	27.50	\$261.80		\$0.00	\$0.00		\$0.00		\$0.00		1,309	1,884,960	190,080	190,080		1,309	1,884,960	1,174	1,690,560
27	35	\$117.25	21.70	\$206.58		\$0.00	\$0.00		\$0.00		\$0.00		1,278	1,840,320	187,200	187,200		1,278	1,840,320	1,169	1,683,360
28	29	\$97.15	19.00	\$180.88		\$0.00	\$0.00		\$0.00		\$0.00		1,160	1,670,400	190,080	190,080		1,160	1,670,400	1,186	1,707,840
29	31	\$103.85	15.10	\$143.75		\$0.00	\$0.00		\$0.00		\$0.00		1,251	1,801,440	237,600	237,600		1,251	1,801,440	1,211	1,743,840
30	32	\$107.20	15.10	\$143.75		\$0.00	\$0.00		\$0.00		\$0.00		1,268	1,825,920	195,840	195,840		1,268	1,825,920	1,189	1,712,160
Total	1,021.00	\$3,420.35	689.70	\$6,565.94	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	1,178	\$50,901,120	6,120,000	6,120,000	16,207	1,178	50,884,913	1,140	49,236,480

GWA Work Session - October 15, 2024 - GWA GM REPORT

 GUAM WATERWORKS AUTHORITY Ugum Surface Water Treatment Plant Monthly Operations Report: #308 Paulino Heights Road Talofofo, Guam 96932											
DATE	RAW PUMPS		CHLORINE LBS.	CHEMICALS USAGE			RECYCLE PROCESS		NPDES DISCHARGE	WATER PRODUCTION	
	GPM	MGD		(CL2) COST \$\$\$	ACH GALS.	(ACH) COST \$\$\$	FILTER BACKWASH	RECYCLE BACKWASH		GPM	TOTAL GALS.
1	1,285	1,850,400.0	38	\$115.90	7.7	\$71.84	233,280	233,280		1,285	1,850,400
2	1,192	1,716,480.0	40	\$122.00	7.8	\$72.77	230,400	230,400		1,192	1,716,480
3	1,226	1,765,440.0	40	\$122.00	7.7	\$71.84	231,840	231,840		1,226	1,765,440
4	1,177	1,694,880.0	41	\$125.05	7.8	\$72.77	234,720	234,720		1,177	1,694,880
5	870	1,252,800.0	25	\$76.25	23.0	\$214.59	136,800	136,800	16,207	859	1,236,593
6	1,228	1,768,320.0	32	\$97.60	44.6	\$416.12	230,400	230,400		1,228	1,768,320
7	1,134	1,632,960.0	32	\$97.60	29.3	\$273.37	184,320	184,320		1,134	1,632,960
8	1,275	1,836,000.0	31	\$94.55	23.0	\$214.59	187,200	187,200		1,275	1,836,000
9	1,334	1,920,960.0	40	\$122.00	20.5	\$191.27	236,160	236,160		1,334	1,920,960
10	1,321	1,902,240.0	41	\$125.05	17.9	\$167.01	236,160	236,160		1,321	1,902,240
11	567	816,480.0	20	\$61.00	20.5	\$191.27	138,240	138,240		567	816,480
12	1,139	1,640,160.0	43	\$131.15	37.1	\$346.14	182,880	182,880		1,139	1,640,160
13	1,124	1,618,560.0	34	\$103.70	25.4	\$236.98	141,120	141,120		1,124	1,618,560
14	1,313	1,890,720.0	32	\$97.60	43.3	\$403.99	188,640	188,640		1,313	1,890,720
15	1,143	1,645,920.0	37	\$112.85	33.0	\$307.89	190,080	190,080		1,143	1,645,920
16	684	984,960.0	19	\$57.95	33.7	\$314.42	95,040	95,040		684	984,960
17	1,161	1,671,840.0	31	\$94.55	27.6	\$257.51	240,480	240,480		1,161	1,671,840
18	1,309	1,884,960.0	36	\$109.80	17.1	\$159.54	236,160	236,160		1,309	1,884,960
19	1,279	1,841,760.0	37	\$112.85	15.2	\$141.82	144,000	144,000		1,279	1,841,760
20	1,235	1,778,400.0	36	\$109.80	15.2	\$141.82	288,000	288,000		1,235	1,778,400
21	1,245	1,792,800.0	37	\$112.85	17.7	\$165.14	190,080	190,080		1,245	1,792,800
22	1,287	1,853,280.0	36	\$109.80	25.6	\$238.85	233,280	233,280		1,287	1,853,280
23	946	1,362,240.0	27	\$82.35	42.1	\$392.79	144,000	144,000		946	1,362,240
24	1,301	1,873,440.0	37	\$112.85	28.1	\$262.17	282,240	282,240		1,301	1,873,440
25	1,307	1,882,080.0	37	\$112.85	20.4	\$190.33	283,680	283,680		1,307	1,882,080
26	1,309	1,884,960.0	35	\$106.75	27.5	\$256.58	190,080	190,080		1,309	1,884,960
27	1,278	1,840,320.0	35	\$106.75	21.7	\$202.46	187,200	187,200		1,278	1,840,320
28	1,160	1,670,400.0	29	\$88.45	19.0	\$177.27	190,080	190,080		1,160	1,670,400
29	1,251	1,801,440.0	31	\$94.55	15.1	\$140.88	237,600	237,600		1,251	1,801,440
30	1,268	1,825,920.0	32	\$97.60	15.1	\$140.88	195,840	195,840		1,268	1,825,920

Monthly Totals

DAYS	RAW WATER MILLION GALLONS	CHLORINE LBS.	CHEMICAL USAGE			RECYCLE PROCESS		NPDES DISCHARGE GALS.	WATER PRODUCTION GALLONS
			(CL2) COST \$\$\$	ACH GALS.	(ACH) COST \$\$\$	FILTER BACKWASH	RECYCLE BACKWASH		
30	50,901,120	1,021	\$ 3,114.05	690	\$6,434.90	6,120,000	6,120,000	16,207	50,884,913


GUAM WATERWORKS AUTHORITY
Monthly Report to Primacy Agency for
Compliance Determination - Filtered Systems

Month/Year: Sep-24

System/Treatment: Ugum Water Treatment Plant
 Type of Treatment: Filtration and Disinfection
 Turbidity Limit: 0.15
 PWSID: GU000001

Turbidity Performance Criteria:

- A. Total number of filtered water turbidity measurements: = 186
- B. Total number of filtered water turbidity measurements that are less than or equal to the specified limits for the filtration technology employed: = 186
- C. The percentage of turbidity measurements meeting the specified limits = B/A x 100 = 100.0%
- D. Record the date and turbidity value for any measurements exceeding 1.0 NTU: if none, enter "none".

Date	Turbidity, NTU
None	None

Disinfection Performance Criteria:

A. Point-of-Entry Minimum Disinfection Residual Criteria

Date	Minimum CL2 Residual at Point-of-Entry to system (mg/L)	Date	Minimum CL2 Residual at Point-of-Entry to system (mg/L)	Date	Minimum CL2 Residual at Point-of-Entry to system (mg/L)
1	1.2	12	1.6	23	1.4
2	1.3	13	1.5	24	1.2
3	1.4	14	1.4	25	1.4
4	1.5	15	1.5	26	1.4
5	1.4	16	1.5	27	1.4
6	1.2	17	1.5	28	1.5
7	1.3	18	1.5	29	1.4
8	1.2	19	1.4	30	1.1
9	1.2	20	1.4		
10	1.6	21	1.4		
11	1.3	22	1.4		

Days the Residual was < 0.2 mg/L		
Day	Duration of Low Level (hrs)	Date Reported to Primacy Agency
None	None	None

B. Distribution System Disinfectant Residual Criteria

The value of a, b, c, d, and e from Table 6-5, as specified in 40 CFR 141.75 (b) (2) (iii) (a) - (e)

a = b = c = d = e =

$$V = (c + d + e / a + b) \times 100 = \quad \quad \quad 0.00\%$$

For previous month, V = N/A

Prepared by: Vincent Tyquiengco, WTP Leader  #866 Date: 10/2/2024

Reviewed By: Date: Concurred By: Date:
 Manager, Prod. & Treatment Asst. General Manager, Compliance

GWA Work Session - October 15, 2024 - GWA GM REPORT



TIME	Midnight Shift						Day Shift						Swing Shift						Daily Average		
Sep-24	12 AM		4 AM		8 AM		12 PM		4 PM		8 PM		Daily Average								
DATE	NTU	CL2	NTU	CL2	NTU	CL2	NTU	CL2	NTU	CL2	NTU	CL2	NTU	DIS	CL2	NTU	DIS	CL2			
1	0.04	1.4	0.05	1.3	0.06	1.2	0.07	1.2	0.06	1.2	0.10	1.2	0.06		1.2	0.06		1.3			
2	0.11	1.3	0.10	1.4	0.07	1.4	0.09	1.4	0.07	1.4	0.08	1.4	0.09		1.4	0.09		1.4			
3	0.06	1.4	0.07	1.4	0.07	1.4	0.07	1.4	0.07	1.4	0.08	1.4	0.07		1.4	0.07		1.4			
4	0.06	1.6	0.07	1.6	0.07	1.5	0.07	1.6	0.07	1.6	0.07	1.6	0.07		1.6	0.07		1.6			
5	0.06	1.8	0.07	1.8	0.08	1.6	0.09	1.6	0.11	1.4	0.08	1.4	0.08		1.4	0.08		1.6			
6	0.08	1.5	0.08	1.3	0.07	1.4	0.08	1.3	0.10	1.2	0.08	1.3	0.08		1.3	0.08		1.3			
7	0.08	1.3	0.07	1.3	0.08	1.3	0.08	1.3	0.08	1.4	0.07	1.3	0.08		1.3	0.08		1.3			
8	0.07	1.4	0.08	1.3	0.06	1.2	0.07	1.2	0.07	1.4	0.09	1.3	0.07		1.3	0.07		1.3			
9	0.07	1.2	0.08	1.3	0.07	1.3	0.07	1.4	0.09	1.6	0.07	1.7	0.08		1.4	0.08		1.4			
10	0.06	1.6	0.06	1.6	0.07	1.6	0.09	1.6	0.07	1.6	0.07	1.6	0.07		1.6	0.07		1.6			
11	0.06	1.6	0.08	1.6	0.07	1.4	0.07	1.3	0.07	1.6	0.07	1.9	0.07		1.6	0.07		1.6			
12	0.07	1.8	0.08	1.8	0.09	1.7	0.09	1.7	0.08	1.8	0.08	1.6	0.08		1.7	0.08		1.7			
13	0.10	1.6	0.08	1.8	0.09	1.5	0.08	1.5	0.08	1.6	0.09	1.5	0.09		1.6	0.09		1.6			
14	0.08	1.4	0.08	1.6	0.09	1.6	0.09	1.6	0.09	1.6	0.06	1.6	0.08		1.6	0.08		1.6			
15	0.09	1.6	0.08	1.5	0.06	1.6	0.06	1.5	0.08	1.6	0.07	1.8	0.07		1.6	0.07		1.6			
16	0.08	1.6	0.08	1.5	0.09	1.5	0.07	1.6	0.07	1.6	0.07	1.6	0.08		1.6	0.08		1.6			
17	0.07	1.6	0.07	1.5	0.06	1.6	0.07	1.6	0.09	1.5	0.08	1.6	0.07		1.6	0.07		1.6			
18	0.06	1.5	0.07	1.6	0.07	1.6	0.07	1.6	0.07	1.5	0.08	1.6	0.07		1.6	0.07		1.6			
19	0.07	1.4	0.07	1.4	0.08	1.6	0.09	1.6	0.07	1.6	0.08	1.6	0.08		1.6	0.08		1.5			
20	0.06	1.4	0.07	1.5	0.08	1.6	0.08	1.6	0.09	1.6	0.08	1.6	0.08		1.6	0.08		1.6			
21	0.07	1.5	0.09	1.6	0.08	1.6	0.08	1.5	0.07	1.6	0.07	1.4	0.08		1.6	0.08		1.5			
22	0.09	1.6	0.08	1.4	0.09	1.5	0.09	1.5	0.07	1.6	0.07	1.8	0.08		1.6	0.08		1.6			
23	0.08	1.6	0.07	1.6	0.09	1.5	0.11	1.4	0.10	1.6	0.08	1.4	0.07		1.4	0.09		1.5			
24	0.07	1.8	0.08	1.8	0.09	1.4	0.07	1.2	0.08	1.4	0.07	1.6	0.08		1.6	0.08		1.5			
25	0.07	1.8	0.08	1.8	0.06	1.6	0.06	1.4	0.08	1.5	0.07	1.4	0.07		1.4	0.07		1.6			
26	0.08	1.6	0.09	1.6	0.10	1.6	0.09	1.5	0.08	1.4	0.09	1.5	0.09		1.5	0.09		1.5			
27	0.07	1.6	0.08	1.6	0.07	1.4	0.08	1.5	0.09	1.4	0.09	1.5	0.08		1.5	0.08		1.5			
28	0.06	1.5	0.08	1.6	0.08	1.5	0.08	1.5	0.09	1.5	0.08	1.6	0.08		1.6	0.08		1.5			
29	0.08	1.6	0.07	1.6	0.09	1.5	0.07	1.5	0.08	1.4	0.08	1.6	0.08		1.6	0.08		1.5			
30	0.07	1.4	0.08	1.4	0.09	1.2	0.08	1.1	0.09	1.5	0.08	1.6	0.08		1.6	0.08		1.4			
>0.15	0		0		0		0		0		0		0		MO. AVG.	0.08		1.5			
>1.0	0		0		0		0		0		0		0								
secured	0		0		0		0		0		0		0								
CL2 <0.2	0		0		0		0		0		0		0								
Prepared By:	Vincent Tyquiengco		10/2/2024		Reviewed By:				Concurred By:												
	Water Treatment Plant Leader		DATE		Manager, Production & Treatment		DATE		Assistant General Manager, Compliance		DATE										



**DOWNTIME REPORT
TUMON MAUI WELL**

WORK ORDER NO.	1396404
LOCATION:	UPPER MAUI
SCHEDULE:	None

Lead Worker	Gavin Concepcion
Crew	Rachel Carrick
Crew	
Crew	
IT	
IT	

JUSTIFICATION	TUMON MAUI WELL FOUND OFFLINE
---------------	-------------------------------

DATE		ESTIMATED DOWNTIME	
FROM:	9/14/2024	TO:	9/14/2024
FROM:		TO:	

PROBLEM

1. Rachel Carrick found TMW offline @0830hrs
 1 Constant rain was the main factor of the power outage.

estimated loss of flow/production is around 949,000 gallons

WORK PERFORM

1. Rachel Carrick worked on the SCADA to reset setpoints.
 2. Manually activated well pumps to gain reservoir for well pump stop level (20.0ft) to put back tmw on auto for booster pumps to activate.
 3. RC was able to get TMW bol at 0907hrs.



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

October 10, 2024

Commissioners
Consolidated Commission on Utilities

RE: Written Recommendation to Discuss GWA Litigation Matters in Executive Session during
Guam Waterworks Authority Work Session on October 15, 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 October 15, 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