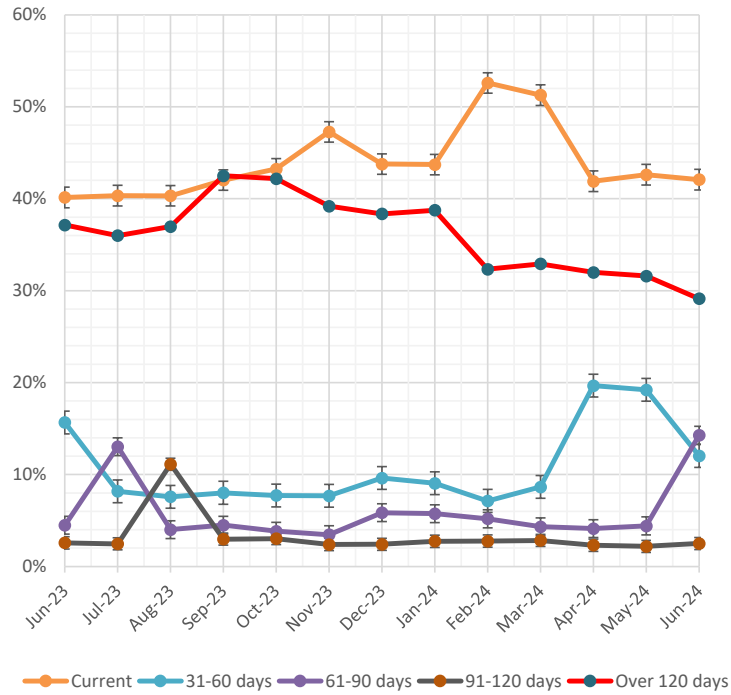


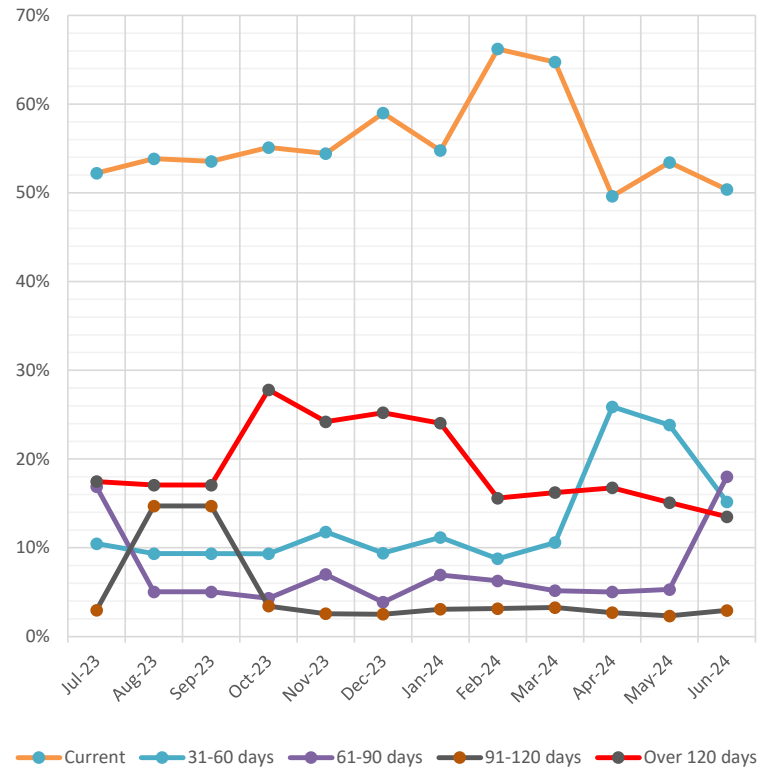


Overall – AR Aging

% of Aged AR Balance to Total AR Balance

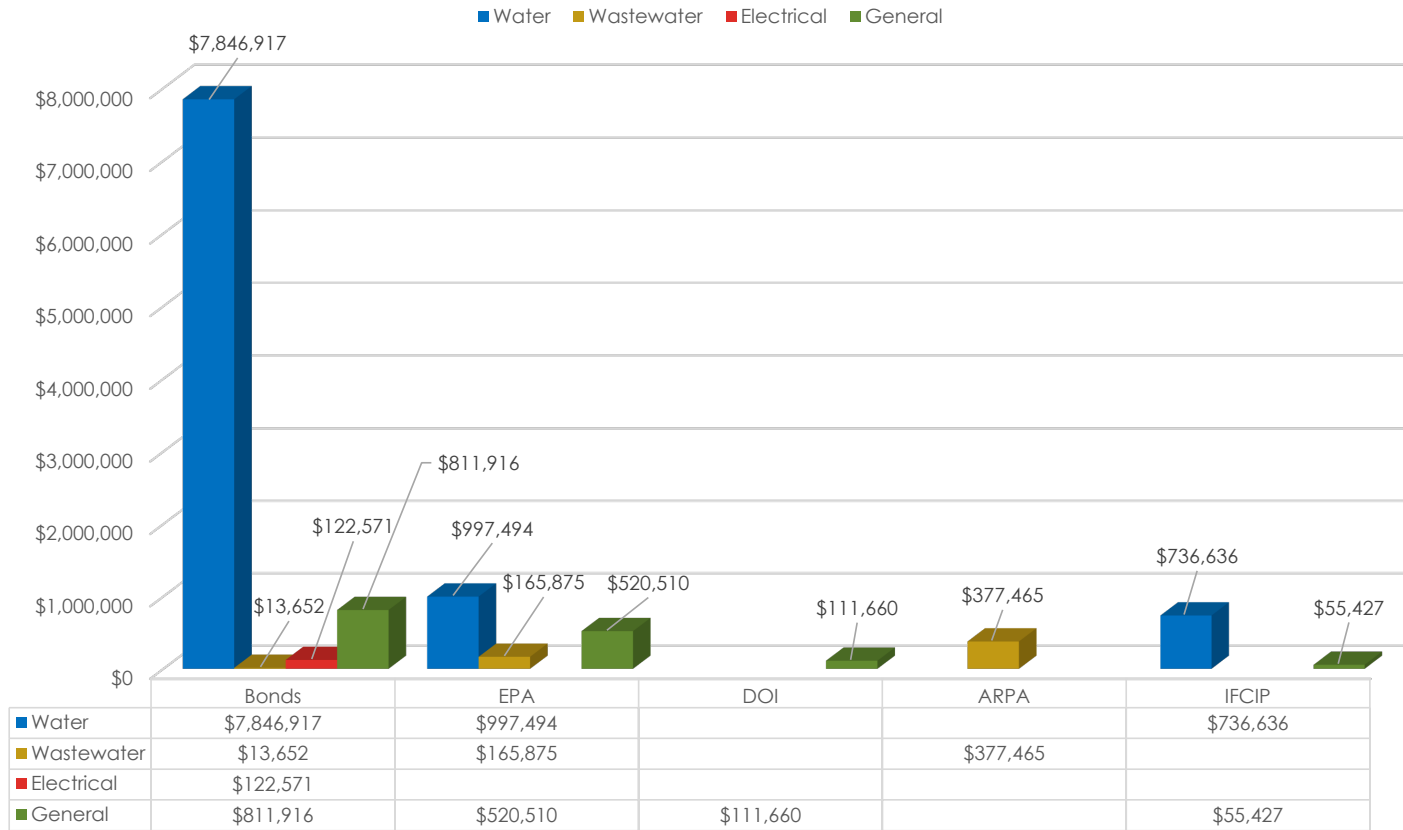


% of Aged AR Balance to Total AR Balance (without Inactive Accounts)

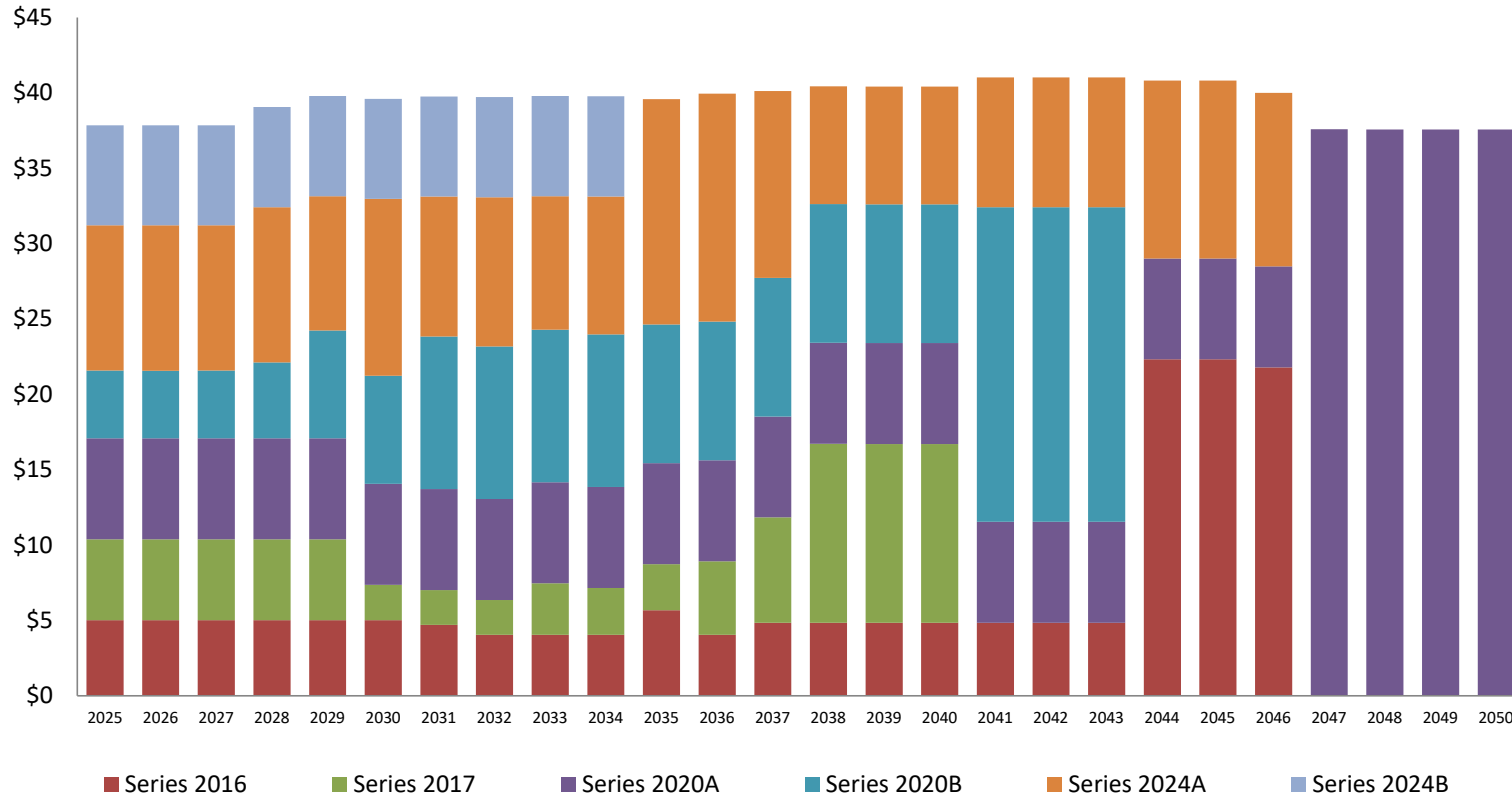




FY2024 YTD CIP Expenditures



GWA Debt Service After Series 2024A&B Issuance (\$mm) (Fiscal Year 9/30)



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

FY2024 UTILITY SERVICES DIVISION ACTIVITIES	WEEK	WEEK	WEEK	WEEK	WEEK	MAY 2024 MONTHLY TOTAL	WEEKLY AVERAGE MAY 2024	PREVIOUS MONTH	
	ENDING:	ENDING:	ENDING:	ENDING:	ENDING:			WEEKLY AVERAGE APR 2024	APR 2024 MONTHLY TOTAL
	05/04/24	05/11/24	05/18/24	05/25/24	06/01/24				
Collections Activities:									
I. Number of accounts cut for nonpayment:	55	62	78	75	43	313	65	85	320
II. Number of accounts restored for nonpayment:	43	65	73	59	35	275	58	68	271
III. Number of No water reports responded to:	3	1	3	2	2	11	2	1	8
IV. Number of Secure/Unsecure valve reports responded to:	6	6	1	4	3	20	4	6	22
V. Number of Verify reads responded to:	6	5	5	3	7	26	5	5	27
VI. Number of new pay plans negotiated for active accounts:	77	92	99	97	63	428	88	96	367
VII. Number of active pay plans negotiated and ongoing:	321	345	362	385	371		366	389	
VIII. Number of inactive accounts with a payment arrangement:	20	20	20	20	20		20	4	
IX. Number of broken payment plans:	101	30	43	43	37	254	38	39	185
Customer Service Activities (lobby visits):									
A. GBN Public Service Building – Fadian									
i. Total Customers Assisted:	201	165	194	181	177	918	179	167	671
ii. Total Abandoned Requests:	2	2	3	5	3	15	3	4	14
iii. Average Wait Time:	4 minutes	3 minutes	4 minutes	3 minutes	5 minutes		3.8 minutes	3.75 minutes	
iv. Average Service Time:	14 minutes	17 minutes	15 minutes	13 minutes	13 minutes		14.4 minutes	12.5 minutes	
v. Purpose of lobby visit:									
1. Apply for water:	71	65	63	54	52	305	59	51	191
2. Restore water cut for non payment:	12	8	17	13	5	55	11	8	36
3. Terminate Water:	22	14	16	16	17	85	16	12	55
4. Copy of Bill:	51	37	54	50	59	251	50	33	140
5. Billing Dispute:	42	29	38	56	44	209	42	33	152
6. Billing Dispute follow up:	1	2	2	5	1	11	3	3	10
7. General Questions & Other:	26	34	42	46	39	187	40	28	106
8. Report a water leak:	0	1	2	0	3	6	2	1	2
9. Report water theft:	0	0	0	0	1	1	0	0	0
10. Payment Arrangement:	13	13	25	11	9	71	15	14	64
B. Julale Satellite Office – Hagatna									
i. Total Customers Assisted:	208	162	199	189	199	957	187	161	691
ii. Total Abandoned Requests:	2	1	2	2	3	10	2	2	12
iii. Average Wait Time:	1 minutes	2 minutes	2 minutes	1 minutes	2 minutes		1.6 minutes	1.5 minutes	
iv. Average Service Time:	8 minutes	10 minutes	8 minutes	9 minutes	10 minutes		9 minutes	8.5 minutes	
v. Purpose of lobby visit:									
1. Apply for water:	45	33	40	37	52	207	41	33	153
2. Restore water cut for non payment:	11	24	16	6	5	62	13	10	41
3. Terminate Water:	15	15	13	16	22	81	17	11	44
4. Copy of Bill:	63	58	55	63	55	294	58	42	204
5. Billing Dispute:	67	47	50	51	57	272	51	51	202
6. Billing Dispute follow up:	0	1	0	1	1	3	1	0	0
7. General Questions & Other:	33	32	35	35	30	165	33	20	94
8. Report a water leak:	2	0	0	4	0	6	1	1	2
9. Report water theft:	0	0	0	0	0	0	0	0	0
10. Payment Arrangement:	13	15	16	23	16	83	18	9	43
C. Upper Tumon Satellite Office – Upper Tumon									
i. Total Customers Assisted:	282	251	246	276	222	1277	249	219	896
ii. Total Abandoned Requests:	14	16	4	3	5	42	7	4	18
iii. Average Wait Time:	3 minutes	4 minutes	3 minutes	3 minutes	5 minutes		3.6 minutes	3.5 minutes	
iv. Average Service Time:	12 minutes	13 minutes	12 minutes	11 minutes	14 minutes		12.4 minutes	12.5 minutes	
v. Purpose of lobby visit:									
1. Apply for water:	78	72	58	77	81	366	72	59	247
2. Restore water cut for non payment:	19	21	17	15	9	81	16	22	101
3. Terminate Water:	23	24	27	32	28	134	28	16	75
4. Copy of Bill:	29	36	43	54	27	189	40	34	169
5. Billing Dispute:	60	48	52	63	48	271	53	55	228
6. Billing Dispute follow up:	3	3	5	2	0	13	3	1	3
7. General Questions & Other:	74	72	65	53	40	304	58	46	200
8. Report a water leak:	0	1	1	2	0	4	1	1	5
9. Report water theft:	0	0	0	0	0	0	0	0	0
10. Payment Arrangement:	30	29	29	34	30	152	31	29	100

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

FY2024 UTILITY SERVICES DIVISION ACTIVITIES	WEEK	WEEK	WEEK	WEEK	WEEK	MAY 2024 MONTHLY TOTAL	WEEKLY AVERAGE MAY 2024	PREVIOUS MONTH	
	ENDING: 05/04/24	ENDING: 05/11/24	ENDING: 05/18/24	ENDING: 05/25/24	ENDING: 06/01/24			WEEKLY AVERAGE APR 2024	APR 2024 MONTHLY TOTAL
Customer Service Activities (Electronic):									
i. Emails Received:									
1. customers@guamwaterworks.org:	153	155	166	217	175	866	178	137	507
Request type (email):									
a. Apply for water:	38	31	17	37	28	151	28	31	116
b. Terminate Water:	16	9	10	24	13	72	14	9	31
c. Copy of Bill:	5	4	2	5	3	19	4	5	14
d. Billing Dispute & follow up:	19	2	3	7	4	35	4	8	37
e. General Questions & Other:	66	86	83	82	79	396	83	66	230
f. Report a water leak:	3	5	4	10	7	29	7	6	20
g. Report water theft:	0	0	0	1	0	1	0	1	3
h. Online services inquiry:	2	14	41	46	36	139	34	10	44
2. gwaservesme@guamwaterworks.org (realtors/prop mgrs):	4	4	6	5	5	24	5	2	12
ii. Emails Replied (both):	147	135	152	194	148	776	157	141	554
iii. Online Portal:									
Request type (online portal):									
a. Start Service:	0	5	1	3	2	11	3	3	13
b. Stop Service:	2	1	0	4	1	8	2	1	4
c. Payment Plan:	6	5	5	4	5	25	5	10	36
d. Customer Information Updates:	5	0	0	1	2	8	1	1	2
e. Service Investigations:	2	0	1	0	0	3	0	2	7
f. Account Inquiries:	4	6	5	5	8	28	6	4	19
g. Technical Support:	0	0	1	5	0	6	2	0	1
h. Outages & Emergencies:	0	0	1	0	0	1	0	0	0
Call Center Activities:									
i. Calls Received:	1154	1367	1415	1741	1828	7505	1588	1389	5779
ii. Calls Immediately Answered:	337	339	443	463	121	1703	342	399	1401
iii. Calls Abandoned:	75	84	86	128	58	431	89	84	349
iv. Calls Handled by Voice mail:	711	917	884	1105	1118	4735	1006	867	3885
v. Average duration of call:	3 minutes	3 minutes	3 minutes	3 minutes	3.5 minutes		3.1 minutes	3 minutes	
vi. Breakdown by request type:									
1. Apply/Terminate info:	42	39	27	58	28	194	38	29	98
2. Automated Telephone Call:	15	18	57	88	16	194	45	47	148
3. Balance Inquiry:	73	31	73	89	34	300	57	58	188
4. Call Back:	56	75	71	94	86	382	82	77	274
5. Dispatch:	26	10	11	16	4	67	10	18	57
6. Dispute:	14	7	9	14	10	54	10	2	7
7. Follow-up:	17	14	10	11	12	64	12	17	62
8. General Questions & Other:	98	62	89	69	49	367	67	71	218
9. Route Calls to GWA Staff:	32	19	29	29	10	119	22	23	78
10. No Water:	25	18	23	11	6	83	15	8	26
11. Online/Phone App Help:	5	10	52	72	30	169	41	13	41
12. Pay by Phone:	27	34	62	65	21	209	46	33	128
13. Pay Plan:	32	38	35	36	33	174	36	34	113
#REF!	16	22	35	28	7	108	23	30	97
14. Secure/Unsecure Valve:	11	13	13	9	4	50	10	14	47
15. Voice Mail:	65	73	61	145	97	441	94	72	350
16. Water leak:	0	5	2	6	3	16	4	2	5
vii. Social media responses:									
1. GWA Facebook Messenger:	3	5	0	2	2	12	3	4	17
2. GWA Facebook Responsive Rate:	88%	14%	100%	50%	100%		70%	58%	
3. Total number of Facebook visits:	1200	2900	1200	907	1300	7507	1552	1181	4722
4. Total number of Instagram profile visits:	50	156	56	41	94	397	76	78	310
Bill Dispute & Resolution Activities:									
i. Dispute Resolution:									
1. Number of disputed accounts resolved:	3	5	2	1	9	20	4	1	23
2. Number of disputed accounts under review:	818	823	825	826	835		829	846	
Data Entry of Completed Field work in CIS:									
i. Document Control:									
1. Number of field activities posted:	9	3	38	18	11	79	18	9	30
2. Number of field activities pending:	0	0	0	0	0	0	0	0	0

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

FY2024 UTILITY SERVICES DIVISION ACTIVITIES	WEEK	WEEK	WEEK	WEEK	WEEK	MAY 2024 MONTHLY TOTAL	WEEKLY AVERAGE MAY 2024	PREVIOUS MONTH	
	ENDING:	ENDING:	ENDING:	ENDING:	ENDING:			WEEKLY	APR 2024
	05/04/24	05/11/24	05/18/24	05/25/24	06/01/24			AVERAGE APR 2024	MONTHLY TOTAL
Field Response Activities:									
I. Number of field activities assigned:	347	368	421	361	414	1911	391	162	783
II. Number of field activities completed:	308	220	213	223	245	1209	225	232	996
III. Number of field activities pending field action:	39	148	208	138	169	702	166	3	15
Meter Reading Activities:									
I. Number of meters read:									
A. Electronically Read Meters:	4364	8111	15451	11856	1291	41073	9177	11213	41280
B. Manually Read Meters:	318	633	684	614	69	2318	500	529	2108
i. Unread meters (Meters scheduled but not read):	2	3	2	3	0	10	2	2	14
ii. Number of data logs received:	17	17	28	60	39	161	36	36	138
iii. Number of data logs retrieved:	16	16	14	18	96	160	36	37	137
iv. Number of data logs pending field action:	0	0	0	0	0	0	0	0	0
v. Communication Errors/Reprogramming requests:	8	5	6	4	8	31	6	3	13
vi. Number of estimated readings (for the week):	2	2	5	3	2	14	3	4	17
vii. Reasons for Estimations:									
1. Cant locate meter:	0	0	0	0	0	0	0	0	0
2. Temporary Obstruction:	0	0	0	0	0	0	0	0	2
3. Vicious Dog:	0	0	0	0	0	0	0	0	1
4. Flooded meter:	0	0	0	1	0	1	0	0	0
5. Corrective action to database requested:	2	2	5	2	2	13	3	3	11
6. Possible changed out meter:	0	0	0	0	0	0	0	0	3
7. Communication/Programming error (code 92's):	0	0	0	0	0	0	0	0	0
8. Other:	0	0	0	0	0	0	0	0	0
a. Leaks detected on customer's private line:	561	1017	2052	1541	118	5289	1182	1474	5366
b. Reverse Flow Detected:	33	52	731	208	8	1032	250	187	613
c. No Usage Detected:	207	277	503	538	59	1584	344	431	1613
d. Tamper Code:	5	4	17	17	3	46	10	12	47
C. Electronic Read Percentage:	93.21%	92.76%	95.76%	95.08%	94.93%		94.63%	95.47%	
Illegal Connection & Unauthorized Use of Water Activities:									
I. Number of Inactive Still Consuming Reports rec'd & investigated:	1	3	0	1	0	5	1	1	4
II. Number of Illegal Connection reports rec'd & investigated:	0	2	0	1	3	6	2	3	9

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:	11	629	1897	1801	338	4676	935	734	3672
SMS	3	136	438	412	74	1063	213	157	627
EMAIL	2	144	408	387	74	1015	203	153	764
DIALER	3	174	525	499	95	1296	259	190	759
LETTER	3	175	526	503	95	1302	260	192	768
Leak Alerts Only Total:	2	1942	3903	4113	1321	11281	2820	2725	12098
SMS	1	590	1260	1301	398	3550	710	956	3823
EMAIL	0	587	1121	1201	412	3321	664	880	3521
DIALER	1	756	1516	1598	509	4380	876	1181	4724
LETTER	0	9	6	13	2	30	6	8	30
Leak & High Use Alerts Only Total:	0	357	950	956	328	2591	648	364	1655
SMS	0	76	220	219	77	592	118	95	378
EMAIL	0	77	200	206	65	548	110	90	361
DIALER	0	101	264	265	92	722	144	114	457
LETTER	0	103	266	266	94	729	146	115	459

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

FY2024 UTILITY SERVICES DIVISION ACTIVITIES	WEEK ENDING: 06/08/24	WEEK ENDING: 06/15/24	WEEK ENDING: 06/22/24	WEEK ENDING: 06/29/24	JUNE 2024 MONTHLY TOTAL	WEEKLY AVERAGE JUNE 2024	PREVIOUS MONTH	
							WEEKLY AVERAGE MAY 2024	MAY 2024 MONTHLY TOTAL
							Collections Activities:	
I. Number of accounts cut for nonpayment:	44	77	48	68	237	59	65	313
II. Number of accounts restored for nonpayment:	37	63	42	56	198	50	58	275
III. Number of No water reports responded to:	2	3	2	4	11	3	2	11
IV. Number of Secure/Unsecure valve reports responded to:	4	4	3	1	12	3	4	20
V. Number of Verify reads responded to:	7	4	6	8	25	6	5	26
VI. Number of new pay plans negotiated for active accounts:	79	95	103	94	371	93	88	428
VII. Number of active pay plans negotiated and ongoing:	332	354	385	388		365	366	
VIII. Number of inactive accounts with a payment arrangement:	20	20	20	20		20	20	
IX. Number of broken payment plans:	77	43	33	40	193	48	38	254
Customer Service Activities (lobby visits):								
A. GBN Public Service Building – Fadian								
i. Total Customers Assisted:	171	155	162	183	671	168	179	918
ii. Total Abandoned Requests:	5	3	3	5	16	4	3	15
iii. Average Wait Time:	5 minutes	2 minutes	4 minutes	3 minutes		3.5 minutes	3.8 minutes	
iv. Average Service Time:	16 minutes	15 minutes	14 minutes	14 minutes		14.75 minute	14.4 minutes	
v. Purpose of lobby visit:								
1. Apply for water:	65	40	40	48	193	48	59	305
2. Restore water cut for non payment:	8	14	10	6	38	10	11	55
3. Terminate Water:	11	12	15	22	60	15	16	85
4. Copy of Bill:	43	59	41	27	170	43	50	251
5. Billing Dispute:	35	30	39	25	129	32	42	209
6. Billing Dispute follow up:	2	1	1	3	7	2	3	11
7. General Questions & Other:	47	40	43	56	186	47	40	187
8. Report a water leak:	0	2	0	2	4	1	2	6
9. Report water theft:	0	0	0	0	0	0	0	1
10. Payment Arrangement:	22	21	18	19	80	20	15	71
B. Julale Satellite Office – Hagatna								
i. Total Customers Assisted:	188	228	202	193	811	203	187	957
ii. Total Abandoned Requests:	4	5	10	4	23	6	2	10
iii. Average Wait Time:	1 minutes	2 minutes	4 minutes	1 minutes		2 minutes	1.6 minutes	
iv. Average Service Time:	8 minutes	7 minutes	9 minutes	9 minutes		8.25 minutes	9 minutes	
v. Purpose of lobby visit:								
1. Apply for water:	38	52	45	44	179	45	41	207
2. Restore water cut for non payment:	4	9	9	5	27	7	13	62
3. Terminate Water:	16	20	21	13	70	18	17	81
4. Copy of Bill:	53	43	55	45	196	49	58	294
5. Billing Dispute:	62	78	55	94	289	72	51	272
6. Billing Dispute follow up:	0	1	1	0	2	1	1	3
7. General Questions & Other:	36	28	31	30	125	31	33	165
8. Report a water leak:	0	1	1	1	3	1	1	6
9. Report water theft:	0	0	0	0	0	0	0	0
10. Payment Arrangement:	13	23	34	19	89	22	18	83
C. Upper Tumon Satellite Office – Upper Tumon								
i. Total Customers Assisted:	294	244	207	293	1038	260	249	1277
ii. Total Abandoned Requests:	11	5	8	4	28	7	7	42
iii. Average Wait Time:	4 minutes	2 minutes	3 minutes	4 minutes		3.25 minutes	3.6 minutes	
iv. Average Service Time:	12 minutes	12 minutes	11 minutes	13 minutes		12 minutes	12.4 minutes	
v. Purpose of lobby visit:								
1. Apply for water:	82	69	54	99	304	76	72	366
2. Restore water cut for non payment:	17	12	12	22	63	16	16	81
3. Terminate Water:	39	24	17	36	116	29	28	134
4. Copy of Bill:	49	31	30	36	146	37	40	189
5. Billing Dispute:	70	60	35	72	237	59	53	271
6. Billing Dispute follow up:	2	2	0	2	6	2	3	13
7. General Questions & Other:	50	53	54	35	192	48	58	304
8. Report a water leak:	0	2	0	1	3	1	1	4
9. Report water theft:	1	0	0	0	1	0	0	0
10. Payment Arrangement:	40	34	37	29	140	35	31	152

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

FY2024 UTILITY SERVICES DIVISION ACTIVITIES	WEEK	WEEK	WEEK	WEEK	JUNE 2024 MONTHLY TOTAL	WEEKLY AVERAGE JUNE 2024	PREVIOUS MONTH	
	ENDING:	ENDING:	ENDING:	ENDING:			WEEKLY	MAY 2024
	06/08/24	06/15/24	06/22/24	06/29/24			AVERAGE	MONTHLY
Customer Service Activities (Electronic):								
i. Emails Received:								
1. customers@guamwaterworks.org:	212	166	168	174	720	180	178	866
Request type (email):								
a. Apply for water:	49	57	29	26	161	40	28	151
b. Terminate Water:	12	7	15	18	52	13	14	72
c. Copy of Bill:	5	2	9	3	19	5	4	19
d. Billing Dispute & follow up:	2	5	11	2	20	5	4	35
e. General Questions & Other:	95	63	83	99	340	85	83	396
f. Report a water leak:	6	1	3	2	12	3	7	29
g. Report water theft:	0	0	1	0	1	0	0	1
h. Online services inquiry:	36	29	15	22	102	26	34	139
2. gwaservesme@guamwaterworks.org (realtors/prop	7	2	2	2	13	3	5	24
ii. Emails Replied (both):	199	148	170	158	675	169	157	776
iii. Online Portal:								
Request type (online portal):								
a. Start Service:	6	4	6	1	17	4	3	11
b. Stop Service:	2	1	1	2	6	2	2	8
c. Payment Plan:	4	8	19	3	34	9	5	25
d. Customer Information Updates:	2	0	1	1	4	1	1	8
e. Service Investigations:	1	2	2	0	5	1	0	3
f. Account Inquiries:	4	2	5	2	13	3	6	28
g. Technical Support:	5	3	3	1	12	3	2	6
h. Outages & Emergencies:	0	0	0	0	0	0	0	1
Call Center Activities:								
i. Calls Recieved:	1564	1630	2044	1738	6976	1744	1588	7505
ii. Calls Immediately Answered:	403	438	394	366	1601	400	342	1703
iii. Calls Abandoned:	82	86	134	73	375	94	89	431
iv. Calls Handled by Voice mail:	1078	1075	1477	1252	4882	1221	1006	4735
v. Average duration of call:	3 minutes	3 minutes	3 minutes	3 minutes	2.325 minute	3.1 minutes		
vi. Breakdown by request type:								
1. Apply/Terminate info:	66	50	46	38	200	50	38	194
2. Automated Telephone Call:	25	56	59	33	173	43	45	194
3. Balance Inquiry:	87	83	80	70	320	80	57	300
4. Call Back:	115	86	84	77	362	91	82	382
5. Dispatch:	12	13	20	26	71	18	10	67
6. Dispute:	1	6	13	4	24	6	10	54
7. Follow-up:	10	9	7	1	27	7	12	64
8. General Questions & Other:	95	85	117	74	371	93	67	367
9. Route Calls to GWA Staff:	15	17	11	12	55	14	22	119
10. No Water:	17	15	25	22	79	20	15	83
11. Online/Phone App Help:	70	66	47	52	235	59	41	169
12. Pay by Phone:	75	64	76	65	280	70	46	209
13. Pay Plan:	33	50	41	46	170	43	36	174
#REF!	9	40	24	29	102	26	23	108
14. Secure/Unsecure Valve:	7	14	8	7	36	9	10	50
15. Voice Mail:	106	117	160	154	537	134	94	441
16. Water leak:	3	1	2	0	6	2	4	16
vii. Social media responses:								
1. GWA Facebook Messenger:	0	2	4	4	10	2	3	12
2. GWA Facebook Responsive Rate:	n/a	100%	100%	50%	83%	70%		
3. Total number of Facebook visits:	1800	1900	2100	1600	7400	1933	1552	7507
4. Total number of Instagram profile visits:	64	86	131	58	339	94	76	397
Bill Dispute & Resolution Activities:								
i. Dispute Resolution:								
1. Number of disputed accounts resolved:	6	7	3	3	19	4	4	20
2. Number of disputed accounts under review:	834	840	851	855	849	829		

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

FY2024 UTILITY SERVICES DIVISION ACTIVITIES	WEEK	WEEK	WEEK	WEEK	JUNE 2024 MONTHLY TOTAL	WEEKLY AVERAGE JUNE 2024	PREVIOUS MONTH	
	ENDING:	ENDING:	ENDING:	ENDING:			WEEKLY	MAY 2024
	06/08/24	06/15/24	06/22/24	06/29/24			AVERAGE	MONTHLY
Data Entry of Completed Field work in CIS:								
i. Document Control:								
1. Number of field activities posted:	15	54	4	9	82	21	18	79
2. Number of field activities pending:	0	0	0	0	0	0	0	0
Field Response Activities:								
I. Number of field activities assigned:	304	332	275	222	1133	283	391	1911
II. Number of field activities completed:	271	289	221	199	980	245	225	1209
III. Number of field activities pending field action:	1047	1164	1242	1254		1177	166	702
Meter Reading Activities:								
I. Number of meters read:								
A. Electronically Read Meters:	9807	13894	13306	3844	40851	10213	9177	41073
B. Manually Read Meters:	790	804	626	220	2440	610	500	2318
i. Unread meters (Meters scheduled but not read):	5	6	4	2	17	4	2	10
ii. Number of data logs received:	22	35	39	49	145	36	36	161
iii. Number of data logs retrieved:	18	21	30	65	134	34	36	160
iv. Number of data logs pending field action:	0	0	0	0	0	0	0	0
v. Communication Errors/Reprogramming requests:	3	1	4	5	13	3	6	31
vi. Number of estimated readings (for the week):	3	6	9	6	24	6	3	14
vii. Reasons for Estimations:								
1. Cant locate meter:	0	0	0	0	0	0	0	0
2. Temporary Obstruction:	0	2	2	0	4	1	0	0
3. Vicious Dog:	0	0	0	0	0	0	0	0
4. Flooded meter:	1	1	1	3	6	2	0	1
5. Corrective action to database requested:	1	2	4	3	10	3	3	13
6. Possible changed out meter:	0	0	0	0	0	0	0	0
7. Communication/Programming error (code 92's):	1	1	2	0	4	1	0	0
8. Other:	0	0	0	0	0	0	0	0
a. Leaks detected on customer's private line:	1116	1805	1798	435	5154	1289	1182	5289
b. Reverse Flow Detected:	217	760	107	31	1115	279	250	1032
c. No Usage Detected:	370	448	556	194	1568	392	344	1584
d. Tamper Code:	11	14	15	9	49	12	10	46
C. Electronic Read Percentage:	92.55%	94.53%	95.51%	94.59%		94.30%	94.63%	
Illegal Connection & Unauthorized Use of Water Activities:								
I. Number of Inactive Still Consuming Reports rec'd & investigated:	0	1	0	0	1	0	1	5
II. Number of Illegal Connection reports rec'd & investigated:	4	2	2	0	8	2	2	6

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 it 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:	533	717	825	459	2534	634	935	4676
SMS	113	167	189	106	575	144	213	1063
EMAIL	122	151	177	97	547	137	203	1015
DIALER	149	199	227	128	703	176	259	1296
LETTER	149	200	232	128	709	177	260	1302
Leak Alerts Only Total:	1505	3308	4861	2040	11714	2929	2820	11281
SMS	458	1056	1547	635	3696	924	710	3550
EMAIL	458	975	1424	619	3476	869	664	3321
DIALER	584	1275	1882	785	4526	1132	876	4380
LETTER	5	2	8	1	16	4	6	30
Leak & High Use Alerts Only Total:	242	427	578	364	1611	403	648	2591
SMS	53	101	132	84	370	93	118	592
EMAIL	60	88	122	79	349	87	110	548
DIALER	64	119	162	100	445	111	144	722
LETTER	65	119	162	101	447	112	146	729

Highlights of Customer Care Section Operations – May 2024:

- The average wait time for all 3 locations is 3 minutes as compared to 3.4 minutes for April 2024.
- The number one reason for visit to each GPWA location for the month of May 2024 is
 - Gloria B Nelson Public Service Bldg. Fadian = Apply for water
 - Julale Satellite Office = Copy of bill
 - Upper Tumon Satellite Office = Apply for water
- The total number of Facebook visits in May is 7507 as compared to 4722 for April 2024.
- Instagram profile visits for May 2024 are 397 as compared to 310 in April 2024.
- May 2024 average number of active pay plans is 366 which compares similarly to 389 in April 2024.
- 890 total emails were received in May 2024 as compared to 519 in April 2024.
- Meter Reading Unit reported a small decrease in the successful electronic read percentage average @ 94.6% as compared to 95.5% in April 2024. The decrease is the result of depleting endpoint battery life.
- 12.8% of GWA active customer meters recorded ongoing private side leakages in May 2024 which compares similarly to April 2024 @ 12.9%.
- All Supervisors and Program Manager successfully completed in person USERRA training.

Highlights of Customer Care Section Operations – June 2024:

- The average wait time for all 3 locations for the month of June 2024 compares similarly to the wait time recorded in May 2024 of 3 minutes.
- The number one reason for visit to each GPWA location for the month of June 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 June 2024 is 7400 as compared to May 2024 @ 7507.
- Instagram profile visits for June 2024 are 339 as compared to May 2024 @ 397.
- June 2024 average number of active pay plans is 365 as compared to May 2024 @ 366.
- 733 total emails were received and responded to in June 2024 as compared to 890 in May 2024.
- The Meter Reading Unit reported a small decrease in successful electronic read percentage average @ 94.3% for June 2024 as compared to 94.6% for May 2024. The decrease continues to be the result of depleted endpoint battery life.
- 12.6% of GWA active meters recorded ongoing leakages for the month of June 2024 as compared to 12.8% in May 2024.
- All Customer Care Section team members successfully completed 2 online training sessions in June 2024 in the areas of Defining and Handling Sensitive Information and Recognizing & Avoiding Conflicts of Interest.
- One Utility Customer Experience weekly work sessions continue with both GPA and GWA Program Managers and Section Supervisors working diligently towards improving service to our ratepayers.



**Engineering Monthly Report
June 2024**

Prepared by:

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

TABLE OF CONTENTS

A.	CIP Encumbrances	1
B.	Water CIP Expenditure (Grants, Grants/IFCIP)	2
C.	Water Capital Improvement Projects (CIP)	3
D.	Wastewater Capital Improvement Projects (CIP)	6
E.	Permits	9
F.	2024 Application Review Committee (ARC)	10
G.	Geographic Information System (GIS)	11
H.	Land Management	14
I.	Planning & Support Services	17
J.	CIP Exhibits (COVER PAGE)	19
K.	Completed CIP Projects	19

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

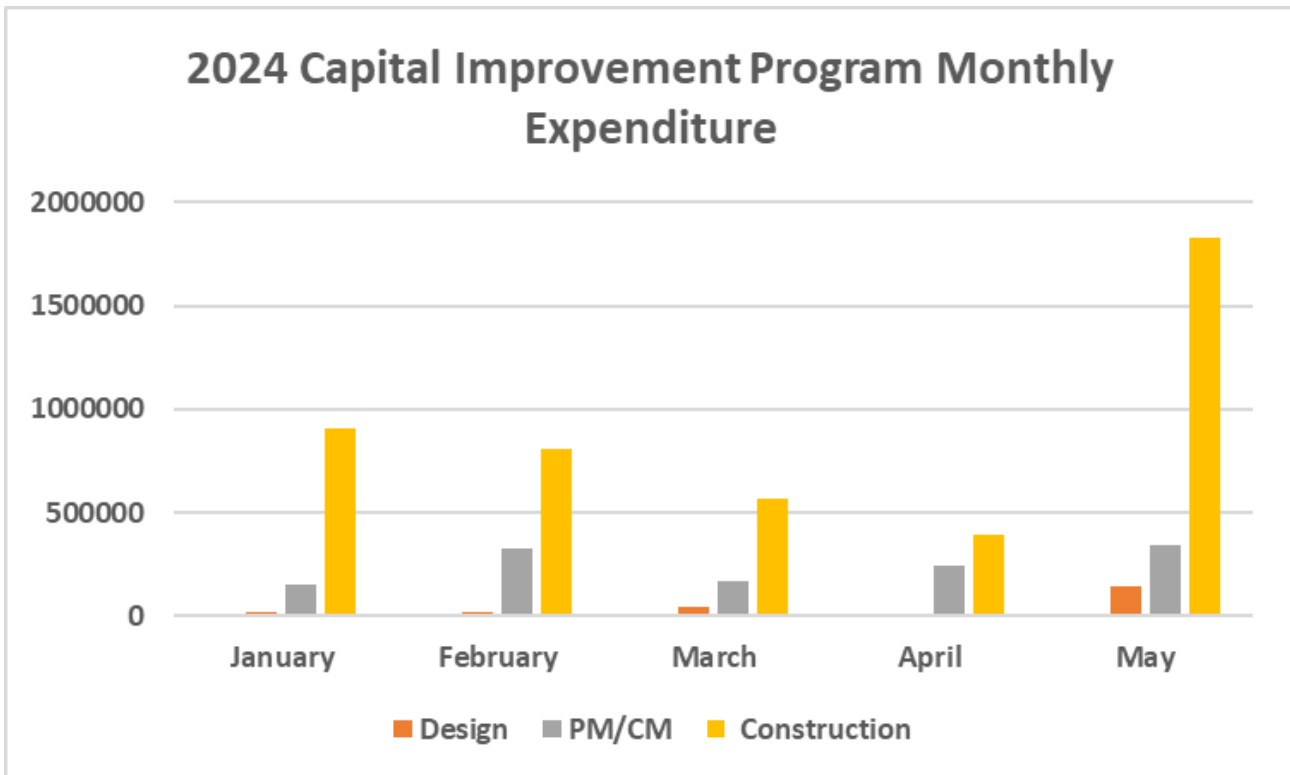
A. CIP Encumbrances

2024 Year To Date Engineering Encumbrances by Work Type				
Month	Design	PM/CM	Construction	Month Total
January	\$ 1,425,903.37	\$ -	\$ 43,618,332.00	\$ 45,044,235.37
February	\$ -	\$ -	\$ 22,834,768.00	\$ 22,834,768.00
March	\$ 750,000.00	\$ 439,711.10	\$ -	\$ 1,189,711.10
April	\$ 87,679.00	\$ -	\$ 331,078.11	\$ 418,757.11
May	\$ -	\$ -	\$ 1,053,819.91	\$ 1,053,819.91
YTD Total	\$ 2,263,582.37	\$ 439,711.10	\$ 67,837,998.02	\$ 70,541,291.49

2024 Year To Date Engineering Encumbrances by Funding Type				
Month	Bond	Grant	Other	Month Total
January	\$ 39,771,282.00	\$ 5,272,953.37	\$ -	\$ 45,044,235.37
February	\$ 22,834,768.00	\$ -	\$ -	\$ 22,834,768.00
March	\$ 1,189,711.10	\$ -	\$ -	\$ 1,189,711.10
April	\$ 409,418.68	\$ 9,338.43	\$ -	\$ 418,757.11
May	\$ -	\$ 1,053,819.91	\$ -	\$ 1,053,819.91
YTD Total	\$ 64,205,179.78	\$ 6,336,111.71	\$ -	\$ 70,541,291.49

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	\$ 243,838.75	\$ 389,813.84	\$ 635,648.79
May	\$ 147,321.60	\$ 347,276.74	\$ 1,823,874.33	\$ 2,318,472.67
Grand Total				\$ 5,965,791.20



C. Water Capital Improvement Projects (CIP)

I. Court Order Projects Summary

- 1) There are twelve (12) new concrete reservoirs that have been completed to date and seven (7) steel reservoirs completed to date.

<u>Concrete Reservoirs</u>	<u>Steel Reservoirs</u>
Barrigada No. 1 & No. 2	Santa Ana No. 2
Chaot No. 1 & No. 2	Mangilao No. 1
Agana Heights No. 1	Mangilao No. 2
Tumon No. 1	Yigo No. 3
Barrigada Heights No. 1	Agat-Umatac
Yigo No. 1 & No. 2	Windward Hills No. 1
Astumbo No. 1	Santa Ana No. 1
Santa Rosa No. 2	
Sinifa No. 2	

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

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 Site preparation is on-going at both sites.			Construction on-going				Target completion																					
IFB-02-ENG-2019	Pressure Zone Realignment Phase 1	4/2/2020	6/2024	95% complete, pending change to replace valve covers			95% complete				Target completion																					
IFB-02-ENG-2019	Pressure Zone Realignment Phase 2	7/1/2024	6/2026	In Procurement, bid submission deadline July 1st.			Procurement Phase				Construction				Target completion																	
IFB-03-ENG-2019	Fire Hydrant Replacement Phase 1	9/30/2019	2/17/2024	Final inspection, CO#6 in process for 4 additional hydrants to be completed by June 2024			Substantial completion in April 2024																									
IFB-06-ENG-2023	Ugum Reservoir No.2	2/3/2024	12/2025	Construction Permit submitted to DLM on 2/26/2024 and delayed pending DLM approval	Procurement		Critical Path- Construction Permit on hold at DLM				Target completion																					
IFB-06-ENG-2019	Tank Repair/Bypass																															
	Kaiser	10/1/2023	11/2024	Contractor is underway with the interior coating of the tank. Tank is anticipated to be online Nov.2024			Floor welding complete				Target completion																					
	Astumbo No.2	11/1/2022	8/2024	Exterior and interior coating on-going. Target is anticipated to be online July-August 2024			Interior coating				Target completion																					
	Upper (10,000 gallon) and Lower Nimitz (5000 gallon)	12/1/2023	12/2024	Lower Nimitz foundation poured. Working on new inlet pipe connection. After Lower Nimitz new tank goes online, Upper Nimitz will be taken offline for repair.			Foundation preparation				Target completion																					
	Pigua	8/1/2023	12/2024	Sand blasting completed but structural cracks were identified. AIC is providing an estimate on the structural work needed.			Coating				Target completion																					
	Malojloj	6/2024	8/2024	Tank bypass scheduled to start in June 2024. Tank will be taken down for inspections and placed back online in August 2024.			Condition assessment & repairs				Target completion																					
IFB-05-ENG-2023	Ugum Water Treatment Plant	2/5/2024	6/2025	Permit Phase, long lead items were ordered.			Permitting				Target completion																					
IFB-01-ENG-2019	Santa Rosa Concrete Tank (1 MG) & New Santa Rosa BPS	9/30/2019	7/2024	Santa Rosa Concrete Tank completed and BPS Electrical Controls and Transformer in progress			Ongoing				Target completion																					
IFB-01-ENG-2019	Santa Rosa Steel Tank Repair	5/1/2024	8/2025	Change order issued for major steel repair. Under permitting.			Notice to Proceed				Target completion																					
IFB-01-ENG-2019	Sinifa Steel Tank Repair	7/1/2024	8/2025	Change order issued for major steel repair. Under permitting.			Negotiating Change Order				Target completion																					
Planning Procurement	Deep Well A-23 & A-25 GAC Filter	8/1/2024	12/2027	Bid package preparation in progress and anticipated to be completed in July 2024.	Revise specs and design																											

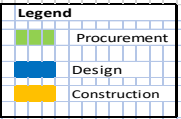


Table III. Project Status of Water CIP that currently in Design

					2023 & Prior Years				2024				2025				2026				2027							
					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	10/2024	60% design																								
In Procurement	Deep Wells: Emerging Contaminants Water Treatment			Draft scope of work review.																								
RFP-03-ENG-2018	Pressure Zone Realignment Phase III	8/16/2018	1/2025	75% 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																								
RFP-04-ENG-2022	ACP Pipe Replacement	7/1/2024	10/2025	Contract phase																								
RFP-07-ENG-2022	District Meter Areas (DMA)	8/1/2024	11/2025	Contract phase																								
RFP-01-ENG-2022	Undersize Pipe Replacement	8/1/2024	11/2025	Contract phase																								
RFP-03-ENG-2023	Waterline Replment' at Various Bridges	2/22/2024	12/2025	Bridge assessment 3 of 30 sites																								
In Procurement	Santa Rita Springs Design RFP	8/2024	11/2025	Target Advertise date by June 2024																								

D. Wastewater Capital Improvement Projects (CIP)

I. Consent Decree Projects Summary

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

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

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

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

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

IV. Table II. Wastewater CIP that are currently in construction 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 Construction																																
IFB-07-ENG-2023	Aplacho Drainage and Roadway Improvements	6/3/2024	6/2/2025	Contract phase																												
IFB-01-ENG-2021	Yigo SPS Flood Mitigation and Facility Rehabilitation	4/26/2021	7/28/2024	SCADA implementation and punchlist items																												

V. Table III. Wastewater CIP that are in Design are shown below.

Project No.	Project Name	Start	Expected Completion	Milestone	2023 & Prior Years				2024				2025				2026				2027				2028				Q1	Q2				
					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																																		
RFP-09-ENG-2022	Adacao Water & Sewer Infrastructure	6/3/2024	12/31/2026	60% design					40% design				100% design				Procurement-Construction				Procurement-Construction				Target Completion									
Dungca Beach Sewer Line Relocation																																		
RFP-01-ENG-2020	Phase I Trankilo Street	4/26/2021	7/2024	90% design					90% design				100% design				Procurement-Construction				Procurement-Construction				Target Completion									
	Phase II Lagoon Drive	4/26/2021	8/2024	60% design					60% design				100% design				Procurement-Construction				Procurement-Construction				Target Completion									
RFP-03-ENG-2020	Fujita SPS Redundant Force Main	10/5/2022	12/2024	30% design					30% design				100% design				Procurement-Construction				Procurement-Construction				Target Completion									
RFP-02-ENG-2020	Hagatna Main SPS Redundant Force Main	4/7/2021	12/2024	30% design					30% design				100% design				Procurement-Construction				Procurement-Construction				Target Completion									
RFP-08-ENG-2021	Hagatna Wastewater Treatment Plant Causeway and Facility Structure Analysis	4/2/2021	12/2024	30% design, waiting cost proposal for SCADA implementation					30% design				100% design				Procurement-Construction				Procurement-Construction				Target Completion									
RFP-05-ENG-2023	Fats, Oils, Grease Receiver Station Design	7/1/2024	7/2025	Contract Phase	Procurement-Contract																													
RFP-09-ENG-2022	Gil Breeze Subdivision Water and Sewer	11/1/2024	4/2026	Fee negotiation	Procurement-Selection																													
IDIQ Island-wide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement Design-Consent Decree Capacity Assurance Projects																																		
RFP-06-ENG-2022	Route 12 at Route 2, Agat	6/1/2024	12/31/2027	Contract Phase	Assessment				Procurement-Design				Procurement-Design				Procurement-Design				Procurement-Design				Procurement-Design				100% Design				Procurement-Construction	
	Barrigada Pump Station Sewer Lines	6/1/2024	12/31/2027	Contract Phase	Assessment				Procurement-Design				Procurement-Design				Procurement-Design				Procurement-Design				Procurement-Design				100% Design				Procurement-Construction	
	Route 1, Dededo	6/1/2024	12/31/2027	Contract Phase	Assessment				Procurement-Design				Procurement-Design				Procurement-Design				Procurement-Design				Procurement-Design				100% Design				Procurement-Construction	
	Route 4, Merizo PS 14 to PS18	6/1/2024	12/31/2027	Contract Phase	Assessment				Procurement-Design				Procurement-Design				Procurement-Design				Procurement-Design				Procurement-Design				100% Design				Procurement-Construction	
					Assessment				Procurement-Design				Procurement-Design				Procurement-Design				Procurement-Design				Procurement-Design				100% Design				Procurement-Construction	
IDIQ Wastewater Transmission System Design and Management Services																																		
Planning for Procurement	Pump Station - Tier 1			Target Advertise date by July 2024																														
	Force Mains - Condition Assessment			Target Advertise date by July 2024																														

E. Permits

The Completed Permits table below lists the number of work orders completed by Permits inspectors/engineers for customer requests related to certain permits or utility services. It also summarizes the total work orders completed 'year to date' up to December. The table is updated in this Monthly Engineering Report for May 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								86
Occupancy Permit	6	26	9	9	34								84
New Installation	27	24	23	24	31								129
Sewer Application	2	3	3	3	10								21
Sewer Inspection	2	3	2	3	0								10
Private Utility Acceptance	0	0	0	0	0								0
Relocation of Water Meter	3	5	3	1	1								13
Tapping-Water	5	3	3	2	2								15
Tapping-Sewer	2	4	0	2	0								8
Clearance-Water	14	10	14	7	21								66
Clearance-Sewer	13	8	2	4	11								38
Highway Encroachment	12	2	17	16	19								66
Verification of Utilities	11	9	10	13	13								56
Fire Flow Test	16	3	6	0	0								25
Schedule Water Outage	2	1	1	1	0								5
GPA Utility Clearances	12	3	5	17	4								41
GTA Utility Clearances	12	16	6	22	8								64

AVERAGE PROCESSING TIME FOR COMPLETIONS (DAYS) FOR MAY 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 May 2024 was 12 days. To calculate the average processing time for Building Permits in May 2024, we refer to the Completed Permits table for May 2024, where we find that there were 16 Building permits completed. Each of the 16 building permits ranged from 5 to 38 days to complete. We calculate the average by adding up the total number of days it took to complete each building permit (184 days in total) and then dividing the total by 16, resulting in an average processing time of 12 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							
Occupancy Permit	0	0	0	0	0							
New Installation	163	80	98	58	151							
Sewer Application	0	0	0	0	0							
Sewer Inspection	0	0	0	0	0							
Private Utility Acceptance	0	0	0	0	0							
Relocation of Water Meter	30	30	14	14	27							
Tapping-Water	0	0	0	0	0							
Tapping-Sewer	0	0	0	0	0							
Clearance-Water	0	0	6	0	3							
Clearance-Sewer	0	0	0	0	0							
Highway Encroachment	0	0	0	0	0							
Verification of Utilities	25	17	17	15	19							
Fire Flow Test	0	0	1	0	0							
Schedule Water Outage	0	0	0	0	0							
GPA Clearances	0	0	0	0	0							
GTA Clearances	0	0	0	0	0							

F. 2024 Application Review Committee (ARC)

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

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

CURRENT MONTH	NO. OF ACTIVE ARC APPLICATIONS	NO. OF ARC APPLICATIONS PROCESSED/SIGNED
JANUARY	5	1
FEBRUARY	5	4
MARCH	3	2
APRIL	4	4
MAY	8	1

G. Geographic Information System (GIS)

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

Sewer System Updates

Three new sewer lines were created, which were 8 and 30 inches in diameter. This added 8,955 linear feet, which equates to 1.7 miles. A glitch happened with the force mains that turned them into gravity lines. So 87 sewer lines were edited to change them back to force mains ranging from 4, 6, 8, 10, 12, 14, 15, 16, 20, 24, 30, 36, and 48 inches, for a total of 72,225 linear feet which equates to 14 miles.

Water System Updates

5 new water lines were created ranging from 8 and 12 inches. This added 910 linear feet, which equates to 0.17 miles. 10 water lines were edited, ranging from 2,6,8,and12 inches in diameter, for a total of 2,491 linear feet which equates to 0.47 miles.

Map Requests

The GIS Section receives request for maps in various forms. The Engineering sections request maps for field work and for customers. The Compliance office and Permits Section requested maps during this period.

- a. Grid maps for gravity sewer lines were created.
- b. Basic maps for customers.
- c. Two Verification of Utilities (VOU) maps were made for the Permits Section.

GIS Assistance for Consent Decrees

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

- Completed Grid maps the Compliance Section.
- The mapping of NASSCO # 4 Rated sewer line capacity maps.
- Attended Monday and Tuesday GoTo Meetings for the Consent Decrees.

Updating the GIS

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

GIS Help Desk Assistance

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

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

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

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

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

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

Update: GPA has agreed to do the procurement to obtain the imagery while GWA assures funding for half of the cost.

Installed ArcGIS Pro

Installed ArcGIS Pro in Ryan Diaz workstation. Ryan has worked with the software during his military assignments. Gerald Gattoc, modeling engineer, will receive ArcGIS Pro next due to the modeling software being upgraded to use ArcGIS Pro.

Guam Fire Department GIS Installation for Fire Hydrant

History

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

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

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

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

At this time, we await GFD's schedule for classroom training at GWA.

H. Land Management

GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Tanks	Astumbo-L10164	Gov't. - CLTC	Petition of Land Registration package forwarded to Attorney General by DLM 11/04/19. AG pending court filing 06/30/2021 – Follow up status sent to DLM 10/06/2021; 11/03/2021; 01/27/2022; 03/04/2022; 05/12/2022; 07/07/2022;09/12/2022; 12/27/2022; DLM response 07/11/2023 have not been able to meet with Assignment AG for LR proceedings. Land Agent has followed up and emailed multiple times with Margarita at DLM on meeting with DLM attorney on status of Land Registration proceedings 10/02/2023. This process is crucial for GWA to acquire property for GWA reservoir. 02/01/2024: Follow up sent to Margarita at DLM; 02/09/2024: Response from Margarita at DLM- Because it has almost been 4 years since we requested the assistance of the AG to initiate the Land Registration, I would recommend that a formal letter from GWA requesting the urgency of the registration and indicate the reasoning behind it. This would support our request for immediate processing with the AG.
	Piti-L259	Private/Federal	Received final comments from DoAg. Waiting on the archaeological report before we can submit 299 forms. Waiting for permission from NPS to access the lot and perform the Archeological survey.
	Ugum River Intake/Booster Pump Station	Private	When the UGUM Water treatment plant was built in 1990, no land reservations for the area by the booster pump station, the Ugum river intake and access road. Land Agent currently researching the area under Lot 292, owned by the Aguon Family. GWA would need to secure a Grant of Easement for the access road and booster pump facility along the river intake. 12/19/2023: GWA coordinating with DCA for survey services to perform a boundary retracement survey of the subject lot to establish the limits of the survey; as-built existing facilities, structures, and road, to obtain + 2,376 square meters for the parcel and create the easement for GWA reservation. 03/06/2024: DCA field survey work begins.
Deep Wells	AG-12-L10154-4	Dept. of Agriculture/Manhita Farms	Right of Entry Agreement sent to Manhita Farms for signature 05/24/18. 2 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.
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 Sionosa). No response from Angelita after initial contact. • September 15, 2023: DCA met with Natividad Trust & BME to discuss pump station on L19 T293

			<ul style="list-style-type: none">• 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
--	--	--	--

I. Planning & Support Services

Planning Activities for the May 2024

1. New Grant Proposals – Planning section is drafting and preparing 2 grant proposals due in June 2024 as described below:
 - a. Office of Local Defense Community Cooperation (OLDCC) Department of Defense – Construction of Brigade II BPS
 - b. OLDCC Construction of Asan Springs Rehabilitation/Improvement
2. FEMA Preliminary Damage Assessments – Planning is responsible for the coordination, preparation and submission of Preliminary Damage Assessments for Typhoon Mawar
 - a. Weekly meetings with GWA Management and support staff in order to report updates, communicate challenges and coordinate the execution of work.
 - b. Documentation and FEMA claims – Planning is Project Manager for putting gathering documentation to support FEMA claims and ensuring reimbursements. Planning successfully submitted for \$1.4M claim for CAT B Emergency Protective Measures
 - c. Coordination with Asset Management team and Engineering to execute remaining repairs/damages from Mawar – funding request is pending Finance and Management approval
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
- c.

7. Active Engineering Procurement Projects

- a. IFB-07-ENG-2023, Aplacho Drainage and Roadway Improvements
 - i. Fund Source: Bond 2016 WW 11-03
 - ii. Status: En route for signature in Oracle Procurement Cloud (OPC).
- b. IFB-02-ENG-2024, Pressure Zone Realignment Phase II Construction
 - i. Fund Source: USEPA Grant
 - ii. Status: Issued Addendum No. 4.
- c. RFP-01-ENG-2022, Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and CM Services for Undersized Waterline Replacement
 - i. Fund Source: USEPA Grants, Bonds, Revenue
 - ii. Status: Pending review by the Office of Attorney General (OAG).
- d. RFP-03-ENG-2022, Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and CM Services for Waterline Replacement and Upgrades
 - i. Fund Source: USEPA Grant
 - ii. Status: Awaiting PUC approval from the Legal Counsel regarding the use of ID/IQ for Engineering projects.
- e. RFP-04-ENG-2022, Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and CM Services for Asbestos Concrete Pipes (ACP) Waterline Replacement
 - i. Fund Source: USEPA Grant
 - ii. Status: Awaiting PUC approval from the Legal Counsel regarding the use of ID/IQ for Engineering projects.
- f. RFP-05-ENG-2022, Construction Management Services for Pressure Zone Realignment Construction Phase II
 - i. Fund Source: USEPA Grant
 - ii. Status: Status quo. Next step: NTP will be issued once construction contract is in place. IFB PZR Ph II Construction is on Solicitation and Bidding Phase (2).

- g. RFP-06-ENG-2022, Indefinite Delivery/Indefinite Quantity (ID/IQ) Professional Project/Construction Management for Islandwide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement
 - i. Fund Source: GWA Bond, USEPA Grant, SDC
 - ii. Status: 06/13/2024 (Th): Pending review of Determinations. Next step: Phase 4 (Agreement and TO No. 1 for BC) to be sent to the OAG.
- h. RFP-07-ENG-2022, Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and Construction Management Services for the Implementation of District Metered Areas (DMA)
 - i. Fund Source: USEPA Grant
 - ii. Status: Awaiting PUC approval from the Legal Counsel regarding the use of ID/IQ for Engineering projects.
- i. RFP-02-ENG-2023, Indefinite Delivery/Indefinite Quantity (ID/IQ) for Water and Wastewater Hydraulic Modeling Services
 - i. Fund Source:
 - ii. Status: PM to prepare a CCU resolution for July 2024.
- j. RFP-05-ENG-2023, Fats, Oil, and Grease Receiving Station Design Services
 - i. Fund Source: USEPA Grant
 - ii. Status: Created OPC Order No. 700188 to en route for signature.
- k. RFP-07-ENG-2023, Rojas-Harmon Stormwater Drainage Improvements Design
 - i. Fund Source: USEPA Grant
 - ii. Status: Created OPC Order No. 700190. Awaiting establishment of subledger in OPC by the Budget Office.
- l. RFP-01-ENG-2024 Gill Breeze Subdivision Water and Wastewater Infrastructure
 - i. Fund Source: USEPA Grant
 - ii. Status: Pending review of fee proposal.

J. CIP Exhibits (COVER PAGE)

TOTAL NO. OF CIP PROJECTS: 48

ALL CIP SECTIONS

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

There are 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: 18 projects

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

EXHIBIT NO.	PROJECT TITLE	STATUS
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	Assessment/Design in Progress
B-9	Pressure Zone Realignment	Construction, In Progress
B-10	Fire Hydrant Replacement Phase 1	Construction, Completed Replacement of 72 Fire Hydrant-Phase I. Will continue replacement of additional 4 more fire hydrant.
B-11	Tai Rd./ S-13 and Canada-Toto Lp./Blas St. Waterline Replacement	Construction, In Progress
B-12	Asan Springs Rehabilitation	EA in process, Design is complete, ROW agreement being negotiated with NPS
B-13	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-14	ID/IQ - Design and CM Asbestos Concrete Pipe for Waterline Replacement	Procurement
B-15	ID/IQ - Design and CM for Waterline Replacement and Upgrades	Procurement
B-16	ID/IQ - Design and CM Implementation of District Meter Areas	Procurement
B-17	ID/IQ - Design and CM Undersized Waterline Replacement	Procurement
B-18	Santa Rita Springs Rehabilitation	Procurement
B-19	Brigade II Booster Pump Station	Design completed Seeking grants for additional funding
B-20	New Well Construction (AG-10, AG-12, Y-08)	Design Completed CM on hold pending funding availability for construction
B-21	Northern and Southern Guam Reservoirs	Design/CM/Construction In Progress
B-22	Tank Repair/Bypass	Design/CM/Construction In Progress

** No project worksheets.

WASTEWATER

No. 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-23	Asan-Adelup-Hagatna Route 1 Sewer Rehabilitation and Replacement Phase II	Construction Completed
		Close-Out In Progress
B-24	Southern SSES Sewer Rehabilitation Phase II (Baza Gardens-Santa Rita-Talofoto)	CM/Construction Completed
		Close-Out In Progress
B-26	Tamuning Hot Spots Sewer Line Rehabilitation and Replacement	Construction Completed
		Close-Out In Progress
B-28	Yigo Sewer Pump Station Flood Mitigation & Facility Rehabilitation	Construction, In Progress
B-29**	Southern Drainage Sewer Line Survey will be incorporated in Route 2 Gravity Sewer Rehab	Planning
B-30	Fats, Oil, Grease Receiving Station	Procurement**
B-31	Tumon Hot Spots	Design Completed**
B-32	Dungca Beach Sewer Line Relocation	Design, In Progress**
B-33	Fujita Sewage Pump Station Redundant Force Main	Design, In Progress
B-34	Hagatna Main Sewage Pump Station Redundant Force Main	Design, In Progress
B-35	Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis	Design, In Progress
B-36	Hagatna Wastewater Treatment Plant Interim Disinfection	Design, Close-Out In Progress
B-37	Aplacho Drainage and Roadway Improvements Construction	Procurement

B-38	Indefinite Delivery-Indefinite Quantity Islandwide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement Design	Procurement
----------------------	--	-------------

** No project worksheets.

ELECTRICAL & CAPITAL IMPROVEMENTS

No. of Projects: 11

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, 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-42	Groundwater Production Meter Replacement	Construction, Completed
B-43	Ugum Water Treatment Plant Rehabilitation	PM/CM, In Progress Construction, In Progress
B-44	Design-Build of Pago Bay 12-inch Waterline Replacement	Planning
B-45	Current Balancing Unit for Deep Well A-09	Planning
B-46	Deep Well Power Line Conditioner Pilot Project	Planning
B-47	GWA Upper Tumon Warehouse Renovation (Replaced by GWA Upper Tumon Campus Improvements)	
B48	GWA Upper Tumon Campus Improvements	Planning
B-50**	SCADA Control Center Phases 1 and 2	** Planning
B-51**	SCADA Water Phase 3	** Planning
B-52**	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.

B-49	Rojas Harmon Stormwater Drainage Improvement Design	Procurement
----------------------	---	-------------

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 06/07/2024	Asst. GM of Engineering	See Activities	Water/WW/Support
Indefinite Delivery/Indefinite Quantity for professional civil and structural design services for various type of water and wastewater utility projects.			

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

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

ACTIVITIES

<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. Kick off meeting held April 19, 2024. <ul style="list-style-type: none"> a. Project Engineer: William F. Esteves b. TO cost: \$750,000.00
<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 • Task Order No. 2 – Structural Assessment and Rehabilitation Design at Commercial Port and Chaot Sewer Pump Stations. This involves the structural assessment of structural system failures at Commercial Port and Chaot SPSs, and design of structural modifications to entry/exit for removal/reinstallation of pumps at Chaot SPS. On May 24, 2024 Amendment no. 1 was submitted to process approval. 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. <ul style="list-style-type: none"> a. Project Engineer: Ernie Villarin b. TO cost: \$61,547 c. Proposed funding source: MP-WW-Pump-01 Lift Station Rehabilitation/Replacement Program

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

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

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

ACTIVITIES

- Brown and Caldwell Task Orders:
1. Bond Report
 2. Route 4 Sewer CIP (completed)
 3. Asan-Adelup-Hagatna Sewer Rehabilitation CIP (completed)
 4. Southern SSES CIP (completed)
 5. Cost of Services Study
 6. Water Meter Technical Assistance
 7. Wastewater Hydraulic Model
 8. Master Plan Update
 9. Modeling
- Duenas, Camacho, and Associates Task Orders:
1. Tank Repair Bypass CIP
 2. Tai-Toto-Canada Water CIP
 3. Ugum Water Treatment Plant Rehabilitation CIP
 4. Yigo Sewer Pump Station CIP
 5. Tank Inspection and Repairs CIP
 6. District Metered Areas and Pressure Zone Realignment CIP
 7. Wells A-23, A-25 remediation (see B-8 Central Guam Reservoirs project)
 8. Groundwater Wells Treatment Design CIP for Dieldrin
 9. Waterline Replacement/Tank Repair CIP

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 6/11/2024		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	7/1/2024	DCA
Construction Management				
Construction				

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

ACTIVITIES

1. Completed its evaluation of all proposals received.
2. Notification letter issued to DCA on 4/24//2024.
3. Scoping meeting held on May 1, 2024, to address scope questions and/or issues.
4. Waiting for DCA's fee proposal.
5. DCA's fee proposal received (6/10/2024)

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 6/11/2024		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	60%
Construction Management			
Construction			

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

- Designer is progressing design to 90% to be completed submitted to GWA July 1, 2024
- Met with BME on if they are still interested in selling a portion of their lot. They seem interested, but progress has stalled. Having difficulty getting owners to respond to Letter of Interest (5/29/24)
- Began discussions with Maria Lewis on utility easement through DOD property and as an option for alternative pump station site (5/31/24)
- Received change order form designer for additional sewer line design in the area (6/10/2024).

B-7 Central Guam Reservoirs W14-006-BND

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
06/07/2024	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	\$34,429,555.00	3%

ACTIVITIES

Design:

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

Construction Management:

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

Construction:

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

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
06/07/2024	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		GHD Inc.
Construction				

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

B-9 Pressure Zone Realignment W18-001-BND

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
06/07/2024	Brett E. Railey, P.E.	Garrett K. A. Yeoh, Jessey A. Mendiola, Jacob Miller	Water
The work to be performed involves designing, construction managing, and constructing pressure zones, which consists of pressure reducing valves, flow meters, vaults, pipeline, electrical, instrumentation, and SCADA. Design and construction shall be in 5 phases.			

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

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

ACTIVITIES

Design: Phase 3 design at 75%

Construction:

- Phase 1: Punch list items. Change Order No. 07 in process of approval to address additional valves needed for Okkodu and Terao sites (still in approval process). Terao property issues still in discussion with DoD. Contractor to provide a new survey and legal description for GWA to submit to DoD by July 13, 2024. Discussion with SMCC ongoing.
- Phase 2: 100% design completed 03/23. IFB advertisement date: 02/14/24. IFB due date extended to: 07/01/24. Revision A drawings and specifications announced in Addendum No.4 on 06/06/24.

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

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

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

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

ACTIVITIES

Scope of Work:
 The Fire Hydrant Replacement Phase 1 for the 72 Fire Hydrants was bid under an Owner Furnished Contractor Installed (OFCI) contract. GWA will supply the hydrant body, gasket, bolts and nuts to contractor.

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

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

Aside from the 72 Fire Hydrants completely installed, Mega United completed the replacement of additional 4 fire hydrants as part Change Order No.06 of construction contract. The replacement of additional 4 fire hydrants is without cost to GWA to off-set un-installed 6" Gate Valves cost. The replacement of 4 Fire Hydrants started May 7, 2024 and completed on June 5, 2024. The project closed out will follows.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
06/07/2024	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 enroute for approval with GM. Legal signed the original TO Amendment #1 on 4/26/24, but TO amendment approval was delayed as we migrate to the new OPC system. Review via OPC is now pending AGME.

Taison Rd.: Complete.

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

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
06/07/2024	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	85.8%

ACTIVITIES

Design:

Environmental assessment report made available for public comment by NPS 3/26/24. Comment period ended on 4/25/2024 and no comments were received. HDR is drafting a FONSI for NPS approval.

HDR is in the process of getting signatures from NPS, GWA, and GHURA for USACE “No Permit Required” determination.

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

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

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

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

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

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

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

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

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

Project on hold until further decision by AGME.

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

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
06/07/2024	Brett E. Railey, P.E.	Garrett Yeoh, Jacob Miller	Water
The work to be performed consists of design and construction management of asbestos concrete pipe (ACP) waterline replacement island-wide. Work will include development of ACP waterline replacement priority list and water line designs for selected sites. Site prioritization shall be guided by the Water Resource Master Plan, operation and engineering input and data.			

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

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

ACTIVITIES
 CCU Resolution No. 17-FY2023 approved contract fee proposal for \$5,427,000.00.
 Deadline of 05/24/24 for OAG review passed with no response. Pending Legal's determination whether to proceed with signing Agreement and Task Order 01.

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

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
06/07/2024	Brett E. Railey, P.E.	Garrett Yeoh, Jacob Miller	Water
<p>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.</p>			

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.

Deadline of 05/24/24 for OAG review passed with no response. Pending Legal's determination whether to proceed with signing Agreement and Task Order 01.

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

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
06/07/2024	Brett E. Railey, P.E.	Garrett Yeoh, Jacob Miller	Water
The work to be performed consists of design and construction management of District Meter Areas (DMA). Work will include development of DMA priority list and designs for selected sites. Site prioritization shall be guided by the DMA Implementation plan, operation and engineering input and data.			

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

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

ACTIVITIES

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

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

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
06/07/2024	Brett E. Railey, P.E.	Garrett Yeoh, Jacob Miller	Water
The work to be performed consist of design and construction management of undersized waterline replacement island-wide. Work will include development of ACP waterline replacement priority list and water line designs for selected sites. Site prioritization shall be guided by the Water Resource Master Plan, operation and engineering input and data.			

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

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

ACTIVITIES
CCU Resolution No. 18-FY2023 approved contract fee proposal for \$2,600,498.00.
Agreement and Task Order 01 finalized. Pending OAG review.

B-18 Santa Rita Springs Rehabilitation

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
06/07/2024	Brett E. Railey, P.E.	Jessey Mendiola, Garrett Yeoh	Water

The work to be performed consist of design of the Santa Rita Springs Rehabilitation. Work will include increasing the impoundment, new impoundment roof, chlorination system, pump system and all other site upgrades.

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-06-ENG-2023			
Construction Management				
Construction				

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	USEPA Grant		
Construction Management			
Construction			

ACTIVITIES
 RFP package is under preparation.

Revised scope of work includes PFAS treatment, Santa Rita tank relocation evaluation, and addressing sanitary survey issues.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
06/07/2024	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
<p>Design: 100% design completed 8/2022.</p> <p>Construction: Pending funding availability. Funding was reallocated to CO projects.</p> <p>CM: Pending funding availability. Funding was reallocated to CO projects.</p>

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
06/07/2024	Brett E. Railey, P.E.	Jessey A. Mendiola	Water
Design and construction of three new production wells (AG-10, AG-12, Y-08).			

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

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

ACTIVITIES

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

Pending further decision by the AGME.

B-21 Northern and Southern Guam Reservoirs W14-007-BND

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
06/07/2024	Brett Railey, P.E.	Garrett Yeoh	Water
The work to be performed consist of designing and constructing new reservoirs, pipes, vaults, instrumentation, electrical, SCADA system, booster pump stations, pressure reducing valves, and general system upgrades. Sites include Santa Rosa No. 2 (SR), Santa Rita (SRI), Sinifa No. 2 (SIN), Inarajan, and Ugum No. 2 Reservoirs, and Santa Rosa, Agfayan, and Inarajan BPS's, and miscellaneous pressure zones pipeline work.			

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

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	PW 09-11	\$3,992,595.20	91%
CM (SR, SRI, SIN)	PW 09-11	\$6,387,678.96	94%
CM (Ugum No. 2)	PW 09-11		4%
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 Substantial Completion. Santa Rosa No. 1 and Sinifa No. 1 steel tanks change order for major repair have been issued. Contractor under permitting phase. Ugum No. 2 Reservoir: Full NTP issued on 02/19/2024 for both Contractor and Construction Manager. Permitting phase. Pre-construction meeting was held on 03/22/24 attended by GWA, GHD, AIC, and subcontractors. A meeting was held at DLM office on 3/29/24 regarding building permit issue. DLM looking for documentation that agricultural land purchased by GWA from private individuals were converted to public land use
--

through legislation. In a follow-up email from AGME to DLM on 4/29/24, DLM Planning Division responded that draft response has been prepared and sent to DLM Director for review and action. Contractor is in the process of submitting product submittals, shop drawings, RFI etc. Building permit still pending at DLM as of 05/31/2024.

B-22 Tank Repair/Bypass

W19-003-BND

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
06/07/2024	Brett E. Railey, P.E.	Calvin Yam, Garrett Yeoh	Water
The work to be performed consists of installing bypass piping, valves, etc. ahead of tank inspection. The operation of the bypass will allow the API inspectors and structural engineer to determine appropriate repairs after which the contractor will proceed to repair the tanks.			

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

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	Bond 2005, Bond 2010	\$1,291,799.91	100%
Construction Management	PW 09-11, MP-PW-Tank-22, MP-PW-Tank-23	\$897,077.00	40%
Construction	PW 09-09, PW 09-11, PW 12-05, SDC	\$14,022,773.57	70%

ACTIVITIES

- Agat Umatac: 07/18/22 in service.
- Yigo No. 3: 08/08/22 in service.
- Windward Hills: 05/17/23 in service.
- Astumbo No. 1: Exterior coating.
- Malojloj: Tank bypass tested. Tank will be taken offline June 18th for cleaning and inspection.
- Umatac Subdivision: Change Order No. 15 major repair is under processing. NTP expected to be July 1st, 2024.
- Santa Ana: 11/21/2023 in service.
- Upper and Lower Nimitz: Lower Nimitz tank installed. Pending pipework and disinfection.
- Pigua: Interior coating. Contractor has found cracks on a lower shell plate. API has inspected the tank after sand blasting. API has recommended to replace course 1, 2 and portions of course 3 tank shell walls. Structural engineer will present an option to repair the shell wall with patch plates in lieu of replacement. Contractor to submit cost for the two options. Cost for shell replacement has been submitted at \$880K. Designer is looking into derating the tank to reduce cost.
- Kaiser: Interior sand blasting ongoing.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 6/11/2024		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> <p>A draft archaeological report was submitted to SHPO on 11/3/2022. SHPO comments dated 2/9/2024 were received. Project Manager to submit final report and GIS files to SHPO.</p>

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 6/11/2024		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, Talofofo, 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.

<u>B-26</u>	Tamuning Hot Spots Sewer Line Rehabilitation and Replacement (Base Contract)	S16-003-EPA
--------------------	---	--------------------

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 6/11/2024		Gerald N. Gattoc	Wastewater
Sewer rehabilitation for lines at Winner Apartments, Segundo Leon Guerrero, and New Plaza Market behind GPO.			

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

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

ACTIVITIES

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

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 6/11/2024		George J. Watson	Wastewater
Evaluate and design flood mitigation and rehab needs for Yigo SPS, and install/construct design per plans and specs.			

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

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

ACTIVITIES

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

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

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 for routing.

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

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 6/11/2024		George J. Watson	Wastewater
Design of a Fats, Oil, and Grease (FOG) receiving station to be located at the Northern District Wastewater Treatment Plant (NDWWTP). A FOG treatment facility is needed to support GWA's FOG program, to prevent FOG discharge into the wastewater collection system.			

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

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

ACTIVITIES

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

B-31 Tumon Hot Spots

S16-001-EPA

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 6/11/2024		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			.
Construction				

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

ACTIVITIES

The design has been completed.

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

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 6/10/2024		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			
Construction			

ACTIVITIES

<p>Phase I- Trankilo Street</p> <ul style="list-style-type: none"> a) 90% design submittal on hold, pending to the constructability review of the CM (AECOM). The contract and task order# 1 of AECOM pending legal document. b) Working with GHD on the design Change Order# 2; erosion control of the easement, magnetic flow meter with recorder, replace new force main, new telecommunication conduit, rehab of manhole, and time extension due to the delays. Reviewed the draft with no cost and returned to GHD at 6/10. Anticipate to have the cost by 6/14. c) GWA, GHD met with SHPO to discuss the additional work on 6/4/2024. SHPO advise to submit 3 test pits and submit amendment of the Archaeological Monitoring Report. <p>Phase II Lagoon Drive</p> <ul style="list-style-type: none"> a) 60% design accomplished. b) GWA is pursuing purchase of an easement along Lagoon Drive, which is pending discussions with lot owners. c) GWA is pursuing a lot acquisitions for a new lift station. A Letter of Interest was sent to the Lot Owner and a response was not received.
--

<u>B-33</u>	Fujita Sewage Pump Station Redundant Force Main	S20-003-EPA
--------------------	--	--------------------

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 6/11/2024		George J. Watson	Wastewater CIP
Designer to identify redundant force main options for the Fujita SPS and provide design for selected option.			

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

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

ACTIVITIES

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

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

Expanded SOW to include Fujita SPS rehab work to Designer for review (3/27/23). Designer submitted cost proposal for expanded scope (11/9/23). The final scope and fee approved by CCU (11/28/23). CO#1 (expanded SOW) submitted by Designer (12/12/23) and executed on 1/2/2024. SPS Structural and Electrical assessment team arrived on island for SPS assessment on 2/19 – 2/22/24 and completed the initial assessment for structural and electrical; Civil and mechanical team conducted assessment week of 3/18/24. Designer submitted CO#2 (6/3/24) for review (in progress); cost of \$25,204.44. 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.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 6/11/2024		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. Moving forward with SPS design at a max of 16 mgd (3 pumps) for wet weather, and average daily of 7.5 mgd. Expecting final design assessment of SPS and Basis of Design by end of June.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 6/11/2024		George J. Watson	Wastewater CIP
Analysis and evaluation of Hagatna WWTP causeway bridge and facility structural integrity.			

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

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

ACTIVITIES

- DCA submitted subcontractor cost proposal for \$86K for structural analysis for mechanical, electrical, and architectural assessment (01/06/23); Change Order (CO) 1 signed by DCA and GWA Engineering, and routed for GM signature (3/14/23).
 - GM directed to exclude mechanical assessments; DCA resubmitted proposal w/out mechanical (4/26/23) for total cost of \$65.7K.
 - Updated CO1 sent to DCA for signature (4/27/23), and received revised CO back from DCA for processing (5/15/23); received comments from Legal (7/24/23), and signed by Legal (7/28/23), Finance (8/17/23), and approved by GM (8/18/23).
 - 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)
 - GWA reviewing SCADA/Interim communication scope; DCA working on cost. DCA revising additional scope for causeway and WWTP site assessment and design. Both scopes part of CO2.
- Considering options for causeway rehabilitation.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 6/11/2024			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 2nd quarter of 2024.

B-37 Aplacho Drainage and Roadway Improvements

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 6/10/2024		Rylma Carino	Wastewater
The Aplacho Drainage and Roadway Improvements project will provide subterranean drainage along the crossroad extend the drain to daylight and harden with concrete headwall. The roadway will be rehabilitated due to the seepage of water during the rainy season.			

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

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

ACTIVITIES

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

1. Construction plans is ready for permit application.
2. GWA Engineering follow up the GEPA for any comments on the plans.
3. Submitted the draft contract (Phase 4) and OAG's request to submit the Determination of Need and Planning, Notice on Intent to award contract, and the request to award on 6/6/2024.
4. Concurrent review of the contract at Oracle Procurement Cloud.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 6/11/2024		George J. Watson	Wastewater CIP
IDIQ to provide GWA with ability to design, manage, and address wastewater repairs, rehabilitation, and replacements within our sewer collection/transmission system.			

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

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

ACTIVITIES

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

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 06/07/2024	Barbara Ann C. Cruz, P.E.	Ernesto L. Villarín	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.

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

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
As of 06/07/2024	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	7/6/2021	4/2022	Duenas, Camacho and Associates, Inc.
Construction Management	Task Order No. 3 IDIQ PM/CM			Duenas, Camacho and Associates, Inc.
Construction	IFB-05-ENG-2023			

PHASE	FUNDING SOURCES	COST	% COMPLETE
Assessment of WTP	MP-PW-SWTP-03	\$173,490.00	100%
Construction Management	MP-PW-SWTP-03	\$ 89,114.00	0%
Construction	2010/2013/2020 PW 09-01 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.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 06/07/2024	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.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 05/31/2024	Barbara Ann C. Cruz, P.E.	William F. Esteves	Engineering Support
<p>The project is a pilot project to install and evaluate the effectiveness of a Current Balancing Unit (CBU) for a GWA deep well. Current imbalances on the power supply to a 3-phase electric motor can cause the motor to overheat and shorten its life expectancy. The wells are operated by 3-phase electric motors. In its product literature, the CBU will monitor and automatically adjust the 3-phase currents to minimize the current imbalance to 3% or less. The CBU is also expected to accommodate wide fluctuations of voltages, so that even if the voltages from the utility are shifting up or down, the current stays balanced. There are other factors that can cause motor overheating but current imbalance is a condition that can happen frequently.</p>			

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

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

ACTIVITIES	
08/02/2023	Water Production Manager submitted a Memo to request for funds to purchase and install a Current Balancer Unit (CBU) at Well Y-15 in the amount of \$154,048.21. Estimated cost includes electrical and concrete materials, crane rental and CBU installation/commissioning services. Y-15 has an estimated expenditure cost of \$394,677.55 from 2008 to 2023. The purchase and installation of current balancer unit will be expected to reduce motor failures and well pull outs.
08/10/2023	GM requested AGME to prepare and submit a technical memo to document the power issues and reference manufacturer information on power imbalances to be used to discuss with GPA on proposed resolution and possible reimbursement of pump/motor replacement costs.
11/03/2023	AGME submitted the technical memo that covered a comprehensive analysis of the power issues at Y-15.
11/22/2023	AGME signed and forwarded the Memo from Water Production Manager to CFO and GM recommending approval to use bond funds. CFO acknowledged to route the Memo to budget and then to the GM.
01/05/2024	GWA Operations will install and Engineering will perform the study. The revised project site is Well Y-15. Engineering will meet and coordinate with Operations.

B-46 Deep Well Power Line Conditioner Pilot Project

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

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

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

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

B-47 GWA Upper Tumon Warehouse Renovation 42102

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

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

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

ACTIVITIES

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

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

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

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

B-48 Upper Tumon Campus Improvements

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 06/07/2024	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 I - Upper Tumon Warehouse Renovation and Meter Testing Facility Repair 2. Phase II – 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.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 06/18/2023	Prudencio F. Aguon	Vincent Edward T. Laguana	Planning
For design of stormwater infrastructure in Harmon Rojas Street to alleviate flooding issues. Mutually beneficial project for GWA and DPW.			

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

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

ACTIVITIES

Advertised 09/22/2023. Due date is 10/22/2023.
 Bid opening was on 10/31/2023. Proposals were evaluated and scored.
 GHD was selected proposer.
 MOU was signed by DPW director and coordination with DPW is ongoing.
 GWA reached an agreement to a scope of work and fee with selected firm.
 Contract was drafted and approved by GWA Management. Contract was sent to AG for review.
 Contract was approved on 6/10/2024 by GWA Legal. Contract will be processed into system and routed for AGME, Finance, and GM Final approval. Estimated time to approve final contract is 2 weeks.

K. 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
-



**Engineering Monthly Report
July 2024**

Prepared by:

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

TABLE OF CONTENTS

A.	CIP Encumbrances	1
B.	Water CIP Expenditure (Grants, Grants/IFCIP)	2
C.	Water Capital Improvement Projects (CIP)	3
D.	Wastewater Capital Improvement Projects (CIP)	6
E.	Permits	9
F.	2024 Application Review Committee (ARC)	10
G.	Geographic Information System (GIS)	11
H.	Land Management	14
I.	Planning & Support Services	17
J.	CIP Exhibits (COVER PAGE)	19
K.	Completed CIP Projects	19

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

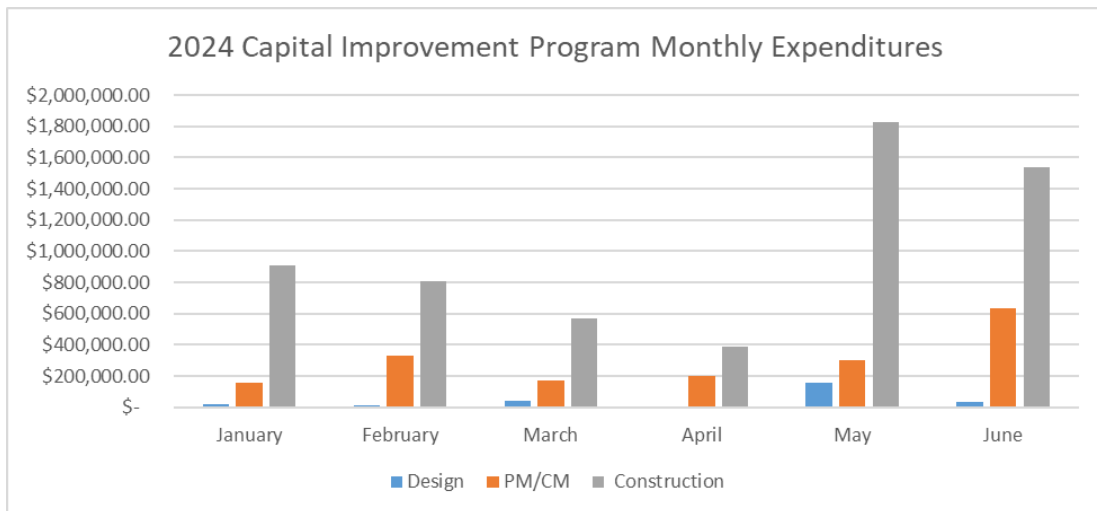
A. CIP Encumbrances

2024 Year To Date Engineering Encumbrances by Work Type				
Month	Design	PM/CM	Construction	Month Total
January	\$ 1,425,903.37	\$ -	\$ 43,618,332.00	\$ 45,044,235.37
February	\$ -	\$ 1,840,912.95	\$ 22,834,768.00	\$ 24,675,680.95
March	\$ 750,000.00	\$ 439,711.10	\$ -	\$ 1,189,711.10
April	\$ -	\$ -	\$ 321,739.68	\$ 321,739.68
May	\$ 87,679.00	\$ -	\$ 1,143,312.59	\$ 1,230,991.59
June	\$ 2,302,293.71	\$ 125,497.00	\$ 1,294,945.60	\$ 3,722,736.31
YTD Total	\$ 4,565,876.08	\$ 2,406,121.05	\$ 69,213,097.87	\$ 76,185,095.00

2024 Year To Date Engineering Encumbrances by Funding Type				
Month	Bond	Grant	Other	Month Total
January	\$ 39,771,282.00	\$ 5,272,953.37	\$ -	\$ 45,044,235.37
February	\$ 24,675,680.95	\$ -	\$ -	\$ 24,675,680.95
March	\$ 1,189,711.10	\$ -	\$ -	\$ 1,189,711.10
April	\$ 321,739.68	\$ -	\$ -	\$ 321,739.68
May	\$ 167,833.25	\$ 1,063,158.34	\$ -	\$ 1,230,991.59
June	\$ 1,420,442.60	\$ 2,302,293.71	\$ -	\$ 3,722,736.31
YTD Total	\$ 67,546,689.58	\$ 8,638,405.42	\$ -	\$ 76,185,095.00

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	\$ 1,823,874.33	\$ 2,278,521.03
June	\$ 34,814.14	\$ 635,671.94	\$ 1,540,235.88	\$ 2,210,721.96
Grand Total				\$ 8,095,295.67



C. Water Capital Improvement Projects (CIP)

I. Court Order Projects Summary

- 1) There are twelve (12) new concrete reservoirs that have been completed to date and seven (7) steel reservoirs completed to date.

<u>Concrete Reservoirs</u>	<u>Steel Reservoirs</u>
Barrigada No. 1 & No. 2	Santa Ana No. 2
Chaot No. 1 & No. 2	Mangilao No. 1
Agana Heights No. 1	Mangilao No. 2
Tumon No. 1	Yigo No. 3
Barrigada Heights No. 1	Agat-Umatac
Yigo No. 1 & No. 2	Windward Hills No. 1
Astumbo No. 1	Santa Ana No. 1
Santa Rosa No. 2	
Sinifa No. 2	

- 2) There are a total of 9 more steel tanks that need to be rehabilitated by December 2025. There are five (5) steel tanks (Kaiser, Astumbo No.2, Upper Nimitz, Lower Nimitz and Pigua) currently in construction. Kaiser steel tank is anticipated to be on-line for GWA service by November 2024 with project completion by January 2025. Astumbo Steel Tank No. 2 is in the coating curing period and anticipated to be on-line for GWA service by August with anticipated completion by October 2024. The four (4) remaining steel tanks (Sinifa, Santa Rosa, Malojloj, and Umatac Subdivision) to begin rehabilitation by the end of 2024 with anticipated completion by November 2025.
- 3) There are three (3) new concrete reservoir tanks (Tamuning #2, Manenggon #2 and Ugum #2) that must be constructed by December 2025. The Construction Notice to Proceed for the Tamuning #2 and Manenggon #2 concrete reservoir projects were issued in January 2024 and construction is in progress. The critical issue is the delay in the construction of the Ugum #2 concrete reservoir project. The Construction Notice to Proceed for Ugum #2 concrete reservoir project was issued in February 2024 and the construction is delayed pending Department of Land Management's (DLM) permit clearance. As of May 14, 2024, DLM resolution is pending review by the Attorney General's office.

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 to replace valve covers					Change order				Target completion															
IFB-02-ENG-2019	Pressure Zone Realignment Phase 2	7/1/2024	6/2026	In Procurement, bid submission deadline July 1st.					Procurement Phase				Construction				Target completion											
IFB-03-ENG-2019	Fire Hydrant Replacement Phase 1	9/30/2019	6/2024	Final inspection, CO#6 in process for 4 additional hydrants to be completed by June 2024					Substantial completion in April 2024																			
IFB-06-ENG-2023	Ugum Reservoir No.2	2/3/2024	12/2025	Under permitting, GEPA	Procurement				Critical Path- Construction Permit on hold at				Target completion															
IFB-06-ENG-2019	Tank Repair/Bypass								Target completion																			
	Kaiser	10/1/2023	1/2025	Contractor is underway with the interior coating of the tank. Tank is anticipated to be online Nov.2024					Floor welding complete																			
	Astumbo No.2	11/1/2022	10/2024	Coating curing period underway until July 22nd. Tank to be disinfected and placed online early August 2024					Interior coating				Target completion															
	Upper (10,000 gallon) and Lower Nimitz (5000 gallon)	12/1/2023	8/2024	Lower Nimitz tank installation ongoing. After Lower Nimitz new tank goes online, Upper Nimitz will be taken offline for repair.					Foundation preparation				Target completion															
	Pigua	8/1/2023	1/2025	Sand blasting completed but structural cracks were identified. AIC is providing an estimate on the structural work needed.					Coating				Target completion															
	Malojloj	6/2024	11/2025	Tank scheduled for inspection the July 23, 2024.					Condition assessment & repairs				Target completion															
IFB-05-ENG-2023	Ugum Water Treatment Plant	2/5/2024	6/2025	Permit Phase, long lead items were ordered.					Permitting				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.					Ongoing				Target completion															
IFB-01-ENG-2019	Santa Rosa Steel Tank Repair	5/1/2024	9/2025	Steel tank repair work ongoing.					Notice to Proceed				Target completion															
IFB-01-ENG-2019	Sinifa Steel Tank Repair	7/1/2024	8/2025	Kick off meeting conducted July 8th 2024. Permit ongoing.					Kick Off Meeting				Target completion															
Planning Procurement	Deep Well A-23 & A-25 GAC Filter	8/1/2024	12/2027	Bid package preparation in progress and anticipated to be completed in July 2024.					Revise specs and design				Target completion															

Legend

- Procurement
- Design
- Construction

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

					2023 & Prior Years				2024				2025				2026				2027			
					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	60% design																				
In Procurement	Deep Wells: Emerging Contaminants Water Treatment			Draft scope of work under review by Engineering management.																				
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																				
RFP-04-ENG-2022	ACP Pipe Replacement	7/1/2024	10/2025	Contract phase																				
RFP-07-ENG-2022	District Meter Areas (DMA)	8/1/2024	11/2025	Contract phase																				
RFP-01-ENG-2022	Undersize Pipe Replacement	8/1/2024	11/2025	Contract phase																				
RFP-03-ENG-2023	'Waterline Replment' at Various Bridges	2/22/2024	12/2025	Bridge assessment 3 of 30 sites																				
In Procurement	Santa Rita Springs Design RFP	8/2024	11/2025	Target Advertise date by July 2024																				

D. Wastewater Capital Improvement Projects (CIP)

I. Consent Decree Projects Summary

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

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

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

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																																
RFP-09-ENG-2022	Adacao Water & Sewer Infrastructure	6/3/2024	12/31/2026	90% design																												
RFP-01-ENG-2020	Dungca Beach Sewer Line Relocation																															
	Phase I Trankilo Street	4/26/2021	7/5/2026	90% design																												
	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	30% 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																												
RFP-09-ENG-2022	Gil Breeze Subdivision Water and Sewer	11/1/2024	4/2026	CCU Approval																												
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 Phase																												
	Barrigada Pump Station Sewer Lines	6/1/2024	12/31/2027	Contract Phase																												
	Route 1, Dededo	6/1/2024	12/31/2027	Contract Phase																												
	Route 4, Merizo PS 14 to PS18	6/1/2024	12/31/2027	Contract Phase																												
Planning for Procurement	IDIQ Wastewater Transmission System Design and Management Services																															
	Pump Station - Tier 1			Target Advertise date by August 2024																												
	Force Mains - Condition Assessment			Target Advertise date by August 2024																												
Other CIP Design																																
RFP-07-ENG-2023	Rojas Harmon Stormwater Drainage	5/27/2024	5/2025	Contract signed																												

Table V. Wastewater CIP that are currently in Construction 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 Construction																																
IFB-07-ENG-2023	Aplacho Drainage and Roadway Improvements	7/22/2024	6/15/2025	Contract phase																												
IFB-01-ENG-2021	Yigo SPS Flood Mitigation and Facility Rehabilitation	4/26/2021	9/28/2024	SCADA implementation and punchlist items																												

Table V. Electrical and Capital Improvement Projects 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				
Electrical-Capital CIP Design-Build																																
Planning for Procurement	Design-Build of Pago Bay 12-inch Waterline Replacement	7/2024	4/2025	Bid package preparation																												
Planning for Procurement	Design-Build of Upper Tumon Campus Improvements - Phase 1 & 2	8/2024	12/2028	Bid package prep, CCU approved, PUC petition submitted																												
SCADA Improvements																																
Planning for Procurement	SCADA & Electrical Controls for Ugum Water Treatment Plant	8/2025	8/2027	Planning																												
Planning for Procurement	SCADA & Electrical Controls for Hagatna Wastewater Treatment Plant	8/2025	8/2027	Planning																												

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 June 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							98
Occupancy Permit	6	26	9	9	34	12							96
New Installation	27	24	23	24	31	13							142
Sewer Application	2	3	3	3	10	3							24
Sewer Inspection	2	3	2	3	0	0							10
Private Utility Acceptance	0	0	0	0	0	0							0
Relocation of Water Meter	3	5	3	1	1	2							15
Tapping-Water	5	3	3	2	2	0							15
Tapping-Sewer	2	4	0	2	0	0							8
Clearance-Water	14	10	14	7	21	9							75
Clearance-Sewer	13	8	2	4	11	3							41
Highway Encroachment	12	2	17	16	19	14							80
Verification of Utilities	11	9	10	13	13	8							64
Fire Flow Test	16	3	6	0	0	3							28
Schedule Water Outage	2	1	1	1	0	0							5
GPA Utility Clearances	12	3	5	17	4	10							51
GTA Utility Clearances	12	16	6	22	8	10							74

AVERAGE PROCESSING TIME FOR COMPLETIONS (DAYS) FOR MAY 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 June 2024 was 13 days. To calculate the average processing time for Building Permits in June 2024, we refer to the Completed Permits table for June 2024, where we find that there were 12 Building permits completed. Each of the 12 building permits ranged from 2 to 44 days to complete. We calculate the average by adding up the total number of days it took to complete each building permit (155 days in total) and then dividing the total by 12, resulting in an average processing time of 13 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						
Occupancy Permit	0	0	0	0	0	0						
New Installation	163	80	98	58	151	73						
Sewer Application	0	0	0	0	0	0						
Sewer Inspection	0	0	0	0	0	0						
Private Utility Acceptance	0	0	0	0	0	0						
Relocation of Water Meter	30	30	14	14	27	132 ^{a1}						
Tapping-Water	0	0	0	0	0	0						
Tapping-Sewer	0	0	0	0	0	0						
Clearance-Water	0	0	6	0	3	3						
Clearance-Sewer	0	0	0	0	0	0						
Highway Encroachment	0	0	0	0	0	0						
Verification of Utilities	25	17	17	15	19	11						
Fire Flow Test	0	0	1	0	0	0						
Schedule Water Outage	0	0	0	0	0	0						
GPA Clearances	0	0	0	0	0	0						
GTA Clearances	0	0	0	0	0	0						

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

a1: Work was pending customers completing financial obligations.

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

H. Geographic Information System (GIS)

During the month of June 2024, the GIS Section concentrated its efforts on Sewer and Water System updates, map request, GIS assistance for Consent Decrees, Updating the GIS, GIS Help Desk assistance, worked on obtaining new 6-inch pixel imagery, conducted field work at Chalan Lujana, Yigo and Lobo St., Dededo, assisted the Guam Fire Department (GFD) with GIS installations for fire hydrants, and , assisting the Guam Solid Waste Authority with their GIS install.

Sewer System Updates

13 new sewer lines were created, which were 6 and 8 inches in diameter. This added 3,221 linear feet, which equates to 0.61 miles. 14 sewer lines were edited, which were 6, 8, 12, 14, and 16 inch in diameter, for a total of 27,673 liner feet, which equates to 5.24 miles.

Water System Updates

One new water line was created, and it was a 6 inch line. This added 723 linear feet, which equates to 0.13 miles. One water line was edited and it was 6 inch in diameter, for a total of 723 linear feet which equates to 0.13 miles.

Map Requests

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

- a. Basic maps for customers.
- b. Maps for the Adacao area, as well as Zero Down and Gill Breeze subdivisions.

GIS Assistance for Consent Decrees

The two Consent Decree projects needing GIS help was the Sewer Force Main rating and Inspection, and the proper updating of the Sewer Gravity Mains. Grid maps for Gravity Lines completed and currently working on the Grid Mains for the Force Mains.

Updating the GIS

In June the Water and Sewer geodatabases were updated, as well as the Customer list. All these were uploaded to the GWA Portal.

GIS Help Desk Assistance

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

- a. Permits
- b. Waste Water
- c. Water
- d. Planning

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

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

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

Update:

- The final memo to the GM for purchase approval was completed.

Field Work Conducted

The GIS Section went to Chalan Lujana, Yigo, and Lobo St., Dededo. We opened several manholes and measured the depth, observed the flow, and noted the pipe sizes. The Chalan Lujana manhole data was needed to properly model the sewer system in the area. New subdivisions are being planned for the area.

Guam Fire Department GIS Installation for Fire Hydrant

History

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

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

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

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

At this time, we await GFD's schedule for classroom training at GWA.

Update: Battalion Commander Ronnie Chiguina came by and was instructed on how to upload the Fire Hydrant layer into his phone.

Guam Solid Waste Authority

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.

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.
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 Sionosa). No response from Angelita after initial contact. • September 15, 2023: DCA met with Natividad Trust & BME to discuss pump station on L19 T293

			<ul style="list-style-type: none"> • 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
--	--	--	--

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 June 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. Weekly meetings with GWA Management and support staff in order to report updates, communicate challenges and coordinate the execution of work.
 - b. Documentation and FEMA claims – Planning is Project Manager for putting gathering documentation to support FEMA claims and ensuring reimbursements. Planning successfully submitted for \$1.4M claim for CAT B Emergency Protective Measures
 - c. Coordination with Asset Management team and Engineering to execute remaining repairs/damages from Mawar – funding request is pending Finance and Management approval
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
- c.

7. Active Engineering Procurement Projects

- a. IFB-07-ENG-2023, Aplacho Drainage and Roadway Improvements
 - i. Fund Source: Bond 2016 WW 11-03
 - ii. Status: En route for signature in Oracle Procurement Cloud (OPC).
- b. IFB-02-ENG-2024, Pressure Zone Realignment Phase II Construction
 - i. Fund Source: USEPA Grant
 - ii. Status: Issued Addendum No. 4.
- c. RFP-01-ENG-2022, Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and CM Services for Undersized Waterline Replacement
 - i. Fund Source: USEPA Grants, Bonds, Revenue
 - ii. Status: Pending review by the Office of Attorney General (OAG).
- d. RFP-03-ENG-2022, Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and CM Services for Waterline Replacement and Upgrades
 - i. Fund Source: USEPA Grant
 - ii. Status: Awaiting PUC approval from the Legal Counsel regarding the use of ID/IQ for Engineering projects.
- e. RFP-04-ENG-2022, Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and CM Services for Asbestos Concrete Pipes (ACP) Waterline Replacement
 - i. Fund Source: USEPA Grant
 - ii. Status: Awaiting PUC approval from the Legal Counsel regarding the use of ID/IQ for Engineering projects.
- f. RFP-05-ENG-2022, Construction Management Services for Pressure Zone Realignment Construction Phase II
 - i. Fund Source: USEPA Grant
 - ii. Status: Status quo. Next step: NTP will be issued once construction contract is in place. IFB PZR Ph II Construction is on Solicitation and Bidding Phase (2).

- g. RFP-06-ENG-2022, Indefinite Delivery/Indefinite Quantity (ID/IQ) Professional Project/Construction Management for Islandwide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement
 - i. Fund Source: GWA Bond, USEPA Grant, SDC
 - ii. Status: 06/13/2024 (Th): Pending review of Determinations. Next step: Phase 4 (Agreement and TO No. 1 for BC) to be sent to the OAG.
- h. RFP-07-ENG-2022, Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and Construction Management Services for the Implementation of District Metered Areas (DMA)
 - i. Fund Source: USEPA Grant
 - ii. Status: Awaiting PUC approval from the Legal Counsel regarding the use of ID/IQ for Engineering projects.
- i. RFP-02-ENG-2023, Indefinite Delivery/Indefinite Quantity (ID/IQ) for Water and Wastewater Hydraulic Modeling Services
 - i. Fund Source:
 - ii. Status: PM to prepare a CCU resolution for July 2024.
- j. RFP-05-ENG-2023, Fats, Oil, and Grease Receiving Station Design Services
 - i. Fund Source: USEPA Grant
 - ii. Status: Created OPC Order No. 700188 to en route for signature.
- k. RFP-07-ENG-2023, Rojas-Harmon Stormwater Drainage Improvements Design
 - i. Fund Source: USEPA Grant
 - ii. Status: Created OPC Order No. 700190. Awaiting establishment of subledger in OPC by the Budget Office.
- l. RFP-01-ENG-2024 Gill Breeze Subdivision Water and Wastewater Infrastructure
 - i. Fund Source: USEPA Grant
 - ii. Status: Pending review of fee proposal.

K. CIP Exhibits

TOTAL NO. OF CIP PROJECTS: 48

ALL CIP SECTIONS

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

There are 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: 18 projects

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

EXHIBIT NO.	PROJECT TITLE	STATUS
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	Assessment/Design in Progress
B-9	Pressure Zone Realignment	Construction, In Progress
B-10	Fire Hydrant Replacement Phase 1	Construction, Completed Replacement of 72 Fire Hydrant-Phase I. Will continue replacement of additional 4 more fire hydrant.
B-11	Tai Rd./ S-13 and Canada-Toto Lp./Blas St. Waterline Replacement	Construction, In Progress
B-12	Asan Springs Rehabilitation	EA in process, Design is complete, ROW agreement being negotiated with NPS
B-13	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-14	ID/IQ - Design and CM Asbestos Concrete Pipe for Waterline Replacement	Procurement
B-15	ID/IQ - Design and CM for Waterline Replacement and Upgrades	Procurement
B-16	ID/IQ - Design and CM Implementation of District Meter Areas	Procurement
B-17	ID/IQ - Design and CM Undersized Waterline Replacement	Procurement
B-18	Santa Rita Springs Rehabilitation	Procurement
B-19	Brigade II Booster Pump Station	Design completed Seeking grants for additional funding
B-20	New Well Construction (AG-10, AG-12, Y-08)	Design Completed CM on hold pending funding availability for construction
B-21	Northern and Southern Guam Reservoirs	Design/CM/Construction In Progress
B-22	Tank Repair/Bypass	Design/CM/Construction In Progress

** No project worksheets.

WASTEWATER

No. 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-23	Asan-Adelup-Hagatna Route 1 Sewer Rehabilitation and Replacement Phase II	Construction Completed
		Close-Out In Progress
B-24	Southern SSES Sewer Rehabilitation Phase II (Baza Gardens-Santa Rita-Talofoto)	CM/Construction Completed
		Close-Out In Progress
B-26	Tamuning Hot Spots Sewer Line Rehabilitation and Replacement	Construction Completed
		Close-Out In Progress
B-28	Yigo Sewer Pump Station Flood Mitigation & Facility Rehabilitation	Construction, In Progress
B-29**	Southern Drainage Sewer Line Survey will be incorporated in Route 2 Gravity Sewer Rehab	Planning
B-30	Fats, Oil, Grease Receiving Station	Procurement**
B-31	Tumon Hot Spots	Design Completed**
B-32	Dungca Beach Sewer Line Relocation	Design, In Progress**
B-33	Fujita Sewage Pump Station Redundant Force Main	Design, In Progress
B-34	Hagatna Main Sewage Pump Station Redundant Force Main	Design, In Progress
B-35	Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis	Design, In Progress
B-36	Hagatna Wastewater Treatment Plant Interim Disinfection	Design, Close-Out In Progress
B-37	Aplacho Drainage and Roadway Improvements Construction	Procurement

B-38	Indefinite Delivery-Indefinite Quantity Islandwide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement Design	Procurement
----------------------	--	-------------

** No project worksheets.

ELECTRICAL & CAPITAL IMPROVEMENTS

No. of Projects: 11

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, 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-42	Groundwater Production Meter Replacement	Construction, Completed
B-43	Ugum Water Treatment Plant Rehabilitation	PM/CM, In Progress Construction, In Progress
B-44	Design-Build of Pago Bay 12-inch Waterline Replacement	Planning
B-45	Current Balancing Unit for Deep Well A-09	Planning
B-46	Deep Well Power Line Conditioner Pilot Project	Planning
B-47	GWA Upper Tumon Warehouse Renovation (Replaced by GWA Upper Tumon Campus Improvements)	
B48	GWA Upper Tumon Campus Improvements	Planning
B-50**	SCADA Control Center Phases 1 and 2	** Planning
B-51**	SCADA Water Phase 3	** Planning
B-52**	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.

B-49	Rojas Harmon Stormwater Drainage Improvement Design	Design In Progress
----------------------	---	--------------------

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 07/05/2024	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>6/14/2024: 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 8/12/24 for completion of hydraulic analysis.</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 pending for additional \$8,788 • Task Order No. 2 – Structural Assessment and Rehabilitation Design at Commercial Port and Chaot Sewer Pump Stations. This involves the structural assessment of structural system failures at Commercial Port and Chaot SPSS, and design of structural modifications to entry/exit for removal/reinstallation of pumps at Chaot SPS. On May 24, 2024 Amendment no. 1 was submitted to process approval. 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. <ul style="list-style-type: none"> a. Project Engineer: Ernie Villarín

b. TO cost: \$61,547 c. Proposed funding source: MP-WW-Pump-01 Lift Station Rehabilitation/Replacement Program

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 07/05/2024	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	06/19/2024	Brown and Caldwell
PM-CM	RFP-04-ENG-2019	06/17/2019	06/14/2024	Duenas, Camacho & Associates, Inc.

ACTIVITIES

Brown and Caldwell Task Orders: <ol style="list-style-type: none"> 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: <ol style="list-style-type: none"> 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 7/3/2024		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	7/1/2024	DCA
Construction Management				
Construction				

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

ACTIVITIES

1. Completed its evaluation of all proposals received.
2. Notification letter issued to DCA on 4/24//2024.
3. Scoping meeting held on May 1, 2024, to address scope questions and/or issues.
4. Waiting for DCA's fee proposal.
5. DCA's fee proposal received (6/10/2024)
6. Preparing to go to July CCU for approval of Scope and Fee (\$3,680,947.00).

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 7/3/2024		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	60%
Construction Management			
Construction			

- ACTIVITIES**
- MOA between GWA and CLTC is signed (5/18/23)
 - Designer (DCA) submitted Final Basis of Design and 60% plans and specs (11/21/23)
 - Met with BME owners to discuss potential SPS on their property (9/15/23); Confirmed interest, signed Right of Entry agreement with BME to survey lot. GM signed ROE (9/25/23)
 - Met w/ BME (1/26/24) to confirm interests and move forward with appraisal. Designer sent survey of BME site for property appraisal; appraisal conducted on 1/30/24; received appraisal report on 3/13/24.
 - 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).

B-7 Central Guam Reservoirs W14-006-BND

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
06/07/2024	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	\$34,429,555.00	3%

ACTIVITIES

Design:

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

Construction Management:

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

Construction:

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

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
07/02/2024	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	6.90
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>

B-9 Pressure Zone Realignment W18-001-BND

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
07/05/2024	Brett E. Railey, P.E.	Garrett K. A. Yeoh, Jessey A. Mendiola, Jacob Miller	Water
The work to be performed involves designing, construction managing, and constructing pressure zones, which consists of pressure reducing valves, flow meters, vaults, pipeline, electrical, instrumentation, and SCADA. Design and construction shall be in 5 phases.			

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

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

ACTIVITIES

Design: Phase 3 design at 75%.

Construction:

- Phase 1: Punch list items. Change Order No. 07 in process of approval to address additional valves needed for Okkodu and Terao sites (still in approval process). Terao property issues still in discussion with DoD. Contractor to provide a new survey and legal description for GWA to submit to DoD by July 13, 2024. Discussion with SMCC ongoing.
- Phase 2: 100% design completed 03/23. IFB advertisement date: 02/14/24. Revision A drawings and specifications announced in Addendum No.4 on 06/06/24. IFB deadline extended to July 26, 2024.

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

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

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

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

ACTIVITIES

Scope of Work:
 The Fire Hydrant Replacement Phase 1 for the 72 Fire Hydrants was bid under an Owner Furnished Contractor Installed (OFCI) contract. GWA will supply the hydrant body, gasket, bolts and nuts to contractor.

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

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

Aside from the 72 Fire Hydrants completely installed, Mega United completed the replacement of additional 4 fire hydrants as part Change Order No.06 of construction contract. The replacement of additional 4 fire hydrants is without cost to GWA to off-set un-installed 6" Gate Valves cost. The replacement of 4 Fire Hydrants started May 7, 2024 and completed on June 5, 2024. The project closed out will follows.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
07/05/2024	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 enroute for approval with GM. Review via OPC is now pending GM.

Taison Rd.: Complete.

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

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
07/05/2024	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	USDOJ Grant, PW 05-15	\$712,263.00	87.1%

ACTIVITIES

Design:

Environmental assessment report made available for public comment by NPS 3/26/24. Comment period ended on 4/25/2024 and no comments were received. HDR is drafting a FONSI for NPS approval.

HDR is in the process of getting signatures from NPS, GWA, and GHURA for USACE “No Permit Required” determination.

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.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
07/05/2024	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-14 ID/IQ - Design and CM Asbestos Concrete Pipe for Waterline Replacement W22-05-BND

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
07/03/2024	Brett E. Railey, P.E.	Garrett Yeoh, Jacob Miller	Water
The work to be performed consists of design and construction management of asbestos concrete pipe (ACP) waterline replacement island-wide. Work will include development of ACP waterline replacement priority list and water line designs for selected sites. Site prioritization shall be guided by the Water Resource Master Plan, operation and engineering input and data.			

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

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

ACTIVITIES

CCU Resolution No. 17-FY2023 approved contract fee proposal for \$5,427,000.00.
Agreement and TO-01 being routed for signatures.

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

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
07/03/2024	Brett E. Railey, P.E.	Garrett Yeoh, Jacob Miller	Water
<p>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.</p>			

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.

Deadline of 05/24/24 for OAG review passed with no response. Proceeding with processing through procurement cloud.

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

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
07/03/2024	Brett E. Railey, P.E.	Garrett Yeoh, Jacob Miller	Water
The work to be performed consists of design and construction management of District Meter Areas (DMA). Work will include development of DMA priority list and designs for selected sites. Site prioritization shall be guided by the DMA Implementation plan, operation and engineering input and data.			

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

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

ACTIVITIES

CCU Resolution No. 20-FY2023 approved contract fee proposal for \$3,119,377.00.
Deadline for OAG review passed with no response. Proceeding with processing through procurement cloud.

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

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
07/03/2024	Brett E. Railey, P.E.	Garrett Yeoh, Jacob Miller	Water
The work to be performed consist of design and construction management of undersized waterline replacement island-wide. Work will include development of ACP waterline replacement priority list and water line designs for selected sites. Site prioritization shall be guided by the Water Resource Master Plan, operation and engineering input and data.			

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

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

ACTIVITIES

CCU Resolution No. 18-FY2023 approved contract fee proposal for \$2,600,498.00.
Proceeding with processing through procurement cloud, concurrent with Legal addressing OAG's comments.

B-18 Santa Rita Springs Rehabilitation

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
07/05/2024	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 scheduled for advertisement on 7/122/24

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

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
07/05/2024	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-20 New Well Construction (AG-10, AG-12, Y-08)

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
07/05/2024	Brett E. Railey, P.E.	Jessey A. Mendiola	Water
Design and construction of three new production wells (AG-10, AG-12, Y-08).			

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

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

ACTIVITIES

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

Pending further decision by the AGME.

B-21 Northern and Southern Guam Reservoirs W14-007-BND

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
07/02/2024	Brett Railey, P.E.	Garrett Yeoh	Water
The work to be performed consist of designing and constructing new reservoirs, pipes, vaults, instrumentation, electrical, SCADA system, booster pump stations, pressure reducing valves, and general system upgrades. Sites include Santa Rosa No. 2 (SR), Santa Rita (SRI), Sinifa No. 2 (SIN), Inarajan, and Ugum No. 2 Reservoirs, and Santa Rosa, Agfayan, and Inarajan BPS's, and miscellaneous pressure zones pipeline work.			

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

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	PW 09-11	\$3,992,595.20	91%
CM (SR, SRI, SIN)	PW 09-11	\$6,387,678.96	94%
CM (Ugum No. 2)	PW 09-11		4%
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 Substantial Completion. Santa Rosa No. 1 and Sinifa No. 1 steel tanks change order for major repair have been issued. Santa Rosa No. 1 lead abatement completed on the tank exterior anchor chairs. Contractor proceeding with metal works. Sinifa kick off meeting scheduled 07/08/24. Ugum No. 2 Reservoir: Full NTP issued on 02/19/2024 for both Contractor and Construction Manager. Permitting phase. Pre-construction meeting was held on 03/22/24 attended by GWA, GHD, AIC, and subcontractors. A meeting was held at DLM office on 3/29/24 regarding building permit issue. DLM looking for
--

documentation that agricultural land purchased by GWA from private individuals were converted to public land use through legislation. In a follow-up email from AGME to DLM on 4/29/24, DLM Planning Division responded that draft response has been prepared and sent to DLM Director for review and action. Contractor is in the process of submitting product submittals, shop drawings, RFI etc. 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.

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

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
06/07/2024	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	70%

- 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: Welding works on tank closure. Disinfection scheduled for week of 07/08/24.
 - Malojloj: Tank bypass tested. Tank will be taken offline June 18th for cleaning and inspection. Inspection scheduled for 07/22/24.
 - Umatac Subdivision: Change Order No. 15 major repair is under processing. NTP expected to be July 1st, 2024. Pending Legal Counsel approval of Change Order No. 15.
 - Santa Ana: 11/21/2023 in service.
 - Upper and Lower Nimitz: Lower Nimitz tank installed. Working on tank piping and vent pipes.
 - Pigua: Interior coating. Contractor has found cracks on a lower shell plate. API has inspected the tank after sand blasting. API has recommended to replace course 1, 2 and portions of course 3 tank shell walls. Structural engineer will present an option to repair the shell wall with patch plates in lieu of replacement. Contractor to submit cost for the two options. Cost for shell replacement has been submitted at \$880K. Designer is looking into derating the tank to reduce cost. Contractor working on cost proposal for derating tank.
 - Kaiser: Interior sand blasting roof ongoing.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 7/3/2024		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

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

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 7/3/2024		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.

<u>B-26</u>	Tamuning Hot Spots Sewer Line Rehabilitation and Replacement (Base Contract)	S16-003-EPA
-------------	---	--------------------

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 7/3/2024		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; will be sending letter requesting Release of Claims from CM and completing final closeout.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 7/3/2024		George J. Watson	Wastewater
Evaluate and design flood mitigation and rehab needs for Yigo SPS, and install/construct design per plans and specs.			

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

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

ACTIVITIES

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

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

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 for routing.

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

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 7/3/2024		George J. Watson	Wastewater
Design of a Fats, Oil, and Grease (FOG) receiving station to be located at the Northern District Wastewater Treatment Plant (NDWWTP). A FOG treatment facility is needed to support GWA's FOG program, to prevent FOG discharge into the wastewater collection system.			

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

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

ACTIVITIES

The Request for Proposals was issued on April 28, 2023 and closed on May 30, 2023. Negotiated costs. Original draft cost proposal with initial scope at \$3,492,095.32 (10/30/2023). After further negotiations and adjustment to scope, final cost proposal at \$1,430,528 (4/9/2024) and submitted to CCU for approval. CCU approved final cost proposal (4/29/2024); in procurement contracting. Approved by AGME (6/20/24) and Legal (7/2/24); now with Finance.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 7/3/2024		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			.
Construction				

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

ACTIVITIES

The design has been completed. Designer is conducting a review and familiarization of design in preparation of rebid for construction by September.

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

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 7/2/2024		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			
Construction			

ACTIVITIES

<p>Phase I- Trankilo Street</p> <ul style="list-style-type: none"> a) Task Order# 1 NTP issued on 7/1/2024. GWA Engineering advise AECOM to proceed the constructability review with risk register and potential cost savings to the 90% design b) Received Change Order on 7/1. The fee proposal is approximately \$446. A total of more One Million if we combine the existing contract. GWA Engineering will review the cost and negotiate. c) Required topographic survey along the easement. d) Required a US Army Corps permit application, the additional work is near a stream e) Required updated Biological, Geo Engineering assessment and permitting. f) Archaeological Monitoring report, required to amend due to the additional work, and perform 3 sample of pit test to the access road. <p>Phase II Lagoon Drive</p> <ul style="list-style-type: none"> a) 60% design accomplished. b) GWA is pursuing purchase of an easement along Lagoon Drive, which is pending discussions with lot owners. c) GWA is pursuing a lot acquisitions for a new lift station. A Letter of Interest was sent to the Lot Owner and a response was not received.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 7/3/2024		George J. Watson	Wastewater CIP
Designer to identify redundant force main options for the Fujita SPS and provide design for selected option.			

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

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

ACTIVITIES

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

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

Expanded SOW to include Fujita SPS rehab work to Designer for review (3/27/23). Designer submitted cost proposal for expanded scope (11/9/23). The final scope and fee approved by CCU (11/28/23). CO#1 (expanded SOW) submitted by Designer (12/12/23) and executed on 1/2/2024. SPS Structural and Electrical assessment team arrived on island for SPS assessment on 2/19 – 2/22/24 and completed the initial assessment for structural and electrical; Civil and mechanical team conducted assessment week of 3/18/24. Designer submitted CO#2 (6/3/24) for review (in progress); cost of \$25,204.44. 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. Requested Designer include some additional funding for design after BOD (6/27/24); expecting updated Scope and Fee by 7/8/24.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 7/3/2024		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. Moving forward with SPS design at a max of 16 mgd (3 pumps) for wet weather, and average daily of 7.5 mgd. Expecting final design assessment of SPS by week of 7/8/24, along with update schedule.

<u>B-35</u>	Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis	S20-004-BND
-------------	---	--------------------

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 7/3/2024		George J. Watson	Wastewater CIP
Analysis and evaluation of Hagatna WWTP causeway bridge and facility structural integrity.			

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

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

ACTIVITIES

- DCA submitted subcontractor cost proposal for \$86K for structural analysis for mechanical, electrical, and architectural assessment (01/06/23); Change Order (CO) 1 signed by DCA and GWA Engineering, and routed for GM signature (3/14/23).
 - GM directed to exclude mechanical assessments; DCA resubmitted proposal w/out mechanical (4/26/23) for total cost of \$65.7K.
 - Updated CO1 sent to DCA for signature (4/27/23), and received revised CO back from DCA for processing (5/15/23); received comments from Legal (7/24/23), and signed by Legal (7/28/23), Finance (8/17/23), and approved by GM (8/18/23).
 - 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 working on cost. DCA revising additional scope for causeway and WWTP site assessment and design. Both scopes part of CO2.
- Considering options for causeway rehabilitation.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 7/3/2024			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-37 **Aplacho Drainage and Roadway Improvements**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 7/5/2024		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

<p>The project is a joint project between GWA and DPW. DPW will provide design services and GWA will be responsible for the construction and construction management of this project. Upon completion of the project, the drainage system will be turned over to DPW.</p> <ol style="list-style-type: none"> 1. Construction plans is ready for permit application. 2. Received comments from GEPA on 6/10. 3. Submitted the draft contract (Phase 4) and OAG's request to submit the Determination of Need and Planning, Notice on Intent to award contract, and the request to award on 6/6/2024. 4. Received extended insurance with some changes compared to the approved insurance. Meeting with A & R Pacific to discussed. 5. Draft contract for review by Finance and GM.
--

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 7/3/2024		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	In Procurement	
Design/Build Construction			

- ACTIVITIES**
- Completed selection of two A/E firms for PM/CM (AECOM and BC) on 11/10/22; completed negotiation with AECOM and BC on respective TO No. 1.
 - 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 routed to AG's office for review (6/21/24) prior to approval.
 - 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; expect to be seeking CCU approval in August.

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.

<u>B-42</u>	Groundwater Production Meter Replacement	W19-001-BND
-----------------------------	---	--------------------

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 07/02/2024	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. |

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

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
As of 07/02/2024	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	7/6/2021	4/2022	Duenas, Camacho and Associates, Inc.
Construction Management	Task Order No. 3 IDIQ PM/CM			Duenas, Camacho and Associates, Inc.
Construction	IFB-05-ENG-2023			

PHASE	FUNDING SOURCES	COST	% COMPLETE
Assessment of WTP	MP-PW-SWTP-03	\$173,490.00	100%
Construction Management	MP-PW-SWTP-03	\$ 89,114.00	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.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 07/02/2024	Barbara Ann C. Cruz, P.E.	Ernesto L. Villarin	Engineering Support
The project will complete the conceptual design prepared by GWA Engineering, structural integrity assessment of the bridge wall that will support the replacement waterline, installation of 12-inch ductile iron waterline including pipe supports, pressure testing and disinfection of new waterline, reconnection to existing waterlines, asphalt pavement restoration, disposal of existing damaged 12-inch waterline, and condition assessment of existing 16-inch waterline hanging under the Bridge.			

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

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

ACTIVITIES	
02/28/2023	Engineering sent a follow-up email to Finance inquiring the status of budget transfer request.
03/15/2023	Received message from Finance that budget certification is under review.
04/06/2023	Funding certification was approved and signed by GM.
04/17/2023	Updated Front End Documents was transmitted to Josephine for transmittal to Legal.
6/30/2023	Updating Front End Documents based on feedback from Legal Office.
08/02/2023	Review and edits of the technical specifications, conceptual plans and front end documents are work in progress.
08/28/2023	Routed the project Front End Documents to Engineering/Planning Section for review.
09/29/2023	Engineering and Legal discussed the front-end documents for a Design-Build solicitation. The documents are with Legal for review.
10/29/2023	Review and apply the EJCDC D-520 Owner-Design Builder Agreement for this design-build project is in progress.
12/30/2023	Review of EJCDC D-520 Owner-Design Builder Agreement still pending.
03/25/2024	Reviewed with AGME and 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).

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 05/31/2024	Barbara Ann C. Cruz, P.E.	William F. Esteves	Engineering Support
<p>The project is a pilot project to install and evaluate the effectiveness of a Current Balancing Unit (CBU) for a GWA deep well. Current imbalances on the power supply to a 3-phase electric motor can cause the motor to overheat and shorten its life expectancy. The wells are operated by 3-phase electric motors. In its product literature, the CBU will monitor and automatically adjust the 3-phase currents to minimize the current imbalance to 3% or less. The CBU is also expected to accommodate wide fluctuations of voltages, so that even if the voltages from the utility are shifting up or down, the current stays balanced. There are other factors that can cause motor overheating but current imbalance is a condition that can happen frequently.</p>			

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

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

ACTIVITIES

08/02/2023	Water Production Manager submitted a Memo to request for funds to purchase and install a Current Balancer Unit (CBU) at Well Y-15 in the amount of \$154,048.21. Estimated cost includes electrical and concrete materials, crane rental and CBU installation/commissioning services. Y-15 has an estimated expenditure cost of \$394,677.55 from 2008 to 2023. The purchase and installation of current balancer unit will be expected to reduce motor failures and well pull outs.
08/10/2023	GM requested AGME to prepare and submit a technical memo to document the power issues and reference manufacturer information on power imbalances to be used to discuss with GPA on proposed resolution and possible reimbursement of pump/motor replacement costs.
11/03/2023	AGME submitted the technical memo that covered a comprehensive analysis of the power issues at Y-15.
11/22/2023	AGME signed and forwarded the Memo from Water Production Manager to CFO and

01/05/2024	GM recommending approval to use bond funds. CFO acknowledged to route the Memo to budget and then to the GM. GWA Operations will install and Engineering will perform the study. The revised project site is Well Y-15. Engineering will meet and coordinate with Operations.
------------	--

B-46 Deep Well Power Line Conditioner Pilot Project

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 11/09/2023	Barbara Ann C. Cruz, P.E.	William F. Esteves	Engineering Support
<p>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.</p>			

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

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

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

B-47 GWA Upper Tumon Warehouse Renovation 42102

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

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

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

ACTIVITIES

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

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

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

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

B-48 Upper Tumon Campus Improvements

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 07/02/2024	Barbara Ann C. Cruz, P.E.	Ernesto L. Villarin	Engineering Support
<p>This project involves the following:</p> <ol style="list-style-type: none"> Phase I - Upper Tumon Warehouse Renovation and Meter Testing Facility Repair Phase II – 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).

B-49 Rojas Harmon Stormwater Drainage 42306

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 07/01/2023	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.

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
-



Financial Statement Overview May 2024

Key Financial Indicators

Indicator	Target	March 2024	April 2024	May 2024
DSC YTD				
• Per Section 6.12 of Indenture	1.25	1.49	1.45	1.41
• Per PUC / CCU	1.30	1.49	1.45	1.41
Days – Cash on Hand	120 days	312 days	311 days	279 days
Collection Ratio**				
• Month to Date	99%	100%	85%	93%
• Year to Date	99%	91%	90%	91%
Days Billed	30 days	30 days	29 days	31 days
Account Receivable Days	30 days	38 days	40 days	40 days
Account Payable Days	45 days	33 days	34 days	33 days
Employee Count	400 FTE	350 FTE	349 FTE	347 FTE
Water Demand				
• Month to Date	451,933	451,256	427,852	441,340
• Year to Date	3,615,466	2,557,110	2,984,962	3,426,302
Wastewater Flow				
• Month to Date	317,500	338,918	328,076	320,257
• Year to Date	2,540,000	1,873,336	2,201,411	2,521,669
Operations & Maintenance Expense*	\$6,567,186	\$6,311,579	\$6,835,680	\$6,731,301
Water Customers	43,978	43,517	43,640	43,830
Wastewater Customers	30,781	31,298	31,024	31,161

*Excludes Depreciation

** Includes SDC Revenue and Collection

Water and Wastewater Consumption

Water consumption for May 2024 increased by 4% compared to May 2023. Decreases in Hotel consumption were made up by increases in consumption by the residential customer class. Wastewater flows increased by 2% for the month of May compared to last year. Wastewater flow increases in the Residential customer class offset decreases in other customer classes. Note that billing days in May 2024 were 31 days compared to 29 days in May 2023.

Year-to-date water consumption and wastewater flows as of May 2024 were about the same level as the prior year. The decrease in Residential water consumption was offset by increases in Hotel water consumption. Increases in wastewater flows from the Hotel and Government customer classes made up for decreases in the other customer classes.

Year-to-date average daily water consumption (ADC) as of May 2024 of 14,276 kgals is 1% less than the prior year's 14,462 kgals. Decreases in the Residential customer class largely drove the reduction in ADC. Year-to-date billing days at 240 days are four days more than the prior year.



Balance Sheet (Schedule A)

- Total Assets & Deferred Outflows of Resources of \$1.215B in September 2023* increased by \$5.8M or 1% to \$1.221B in May 2024. Current Assets increased by \$10.0M primarily due to increases in cash and accounts receivable. Property, Plant and Equipment decreased by \$6.9M due to increases in accumulated depreciation. Other Noncurrent Assets increased by \$4.0M due to increases in investments.
- Liabilities & Deferred Inflow of Resources of \$880.8M in September 2023* decreased by \$4.3M compared to \$876.5M in May 2024 largely due to the transactions related to the bond refunding.

*September 2023 balances updated based on FY23 audit.

- Accounts Receivable days in May 2024 and April 2024 were 40 days. Accounts Payable days in May 2024 were 33 days and in April 2024 were 34 days. Schedule I presents Accounts Receivable Aging by Customer Class and Schedule H contains a breakdown of Government Receivables. Schedule J reports Accounts Payable Aging.

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

- Total Operating Revenues for May 2024 of \$11.0M are \$168.8K or 2% more than the budget of \$10.8M. May 2024 Total Operating Revenues are 22% or \$2.0M more than May 2023's \$9.0M. Note there was a rate increase of 16.7% effective October 2023.
- Year-to-date Operating Revenues as of May 2024 of \$86.6M were \$25.2K less than budget and \$13.4M or 18% more than Year-to-date Operating Revenues as of May 2023 of \$73.2M.
- Below are the percentages of operating revenues (water and wastewater) contributed by GWA's customer classes for FY2024 and FY2023 as well as the revenue totals:

Customer Class	FY2024		FY2023	
o Residential	\$35,939,602	42.32%	\$30,937,529	43.16%
o Commercial	17,812,737	20.97%	15,664,214	21.85%
o Hotel	14,510,643	17.09%	11,329,125	15.81%
o Government of Guam	10,345,989	12.18%	8,663,514	12.09%
o Federal Government	5,922,957	6.97%	4,768,772	6.65%
o Agriculture, Golf Course, Irrigation	399,577	0.47%	312,492	0.44%
TOTALS	\$84,931,505	100.00%	\$71,675,646	100.00%

- Total Operating Expenses for May 2024 of \$9.0M were \$71.9K or 1% less than budget of \$8.9M. May 2024 Total Operating Expenses were 7% or \$585.1K more than May 2023's \$8.4M. We continue to monitor the Navy billing for water due to recent notices of substantial rate increases; the increases are related to the Base Operating Services Contract increases.
- Year-to-date Operating Expenses as of May 2024 of \$69.7M were 2% or \$1.4M more than the budget of \$71.1M and about the same as May 2023's YTD \$69.8M. Water Purchases, Salaries and Benefits, and Retiree Benefits increased year over year while Power Purchases, Administrative & General Expense, Depreciation and Contractual Expense decreased.
- Earnings from Operations for May 2024 of \$2.0M were 5% or \$96.9K more than the budget of \$1.9M and \$1.4M more than May 2023's \$664.6K. Change in Net Assets for May 2024 of \$2.6M was 42% or



\$774.0K more than the \$1.8M budget and \$2.4M more than May 2023’s \$238.1K. The increase in the Change in Net Assets year over year was mostly due to transactions related to the bond refunding.

- Year to Date Earnings from Operations as of May 2024 of \$16.9M is 9% or \$1.3M more than the budget of \$15.5M and \$13.5M more than prior year’s \$3.3M. Year-to-date Change in Net Assets as of May 2024 of \$10.1M is \$4.6M or 31% less than budget of \$14.7M and about same level as prior year’s \$10.2K. The increase in the Change in Net Assets year over year was mostly due to Earnings from Operations.
- No Rate Stabilization Funds were used in May 2024. There is a balance of \$950.0K in the RSF at the end of May 2024.

Cash Flow (Schedule F)

- FY2024 cash flows from operating activities were \$30.9M, \$29.9M in cash was used for capital and financing activities and cash used in investing activities was \$2.3M resulting in decrease in cash of \$1.3M. Days Cash on Hand for May 2024 was calculated at 279 days compared to April 2024 311 days. Schedule G contains a schedule of restricted and unrestricted cash and investments.

Customer Payments

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

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

Month	Customer Count	Amount Paid	Fees	% Of Fees to Payments
May – September 2020	140	\$241,335	\$4,952	2.05%
October 2020–September 2021	526	\$1,119,286	\$22,505	2.01%
October 2021– September 2022	738	\$3,076,971	\$61,588	2.00%
October 2022 -September 2023	783	\$3,420,468	\$66,158	1.93%
October – December 2023	192	\$1,035,322	\$20,816	2.01%
January -March 2024	234	\$1,102,942	\$22,176	2.01%
April 2024	76	\$ 363,829	\$ 7,315	2.01%
May 2024	67	\$ 560,035	\$ 11,260	2.01%

Resolution 21- FY2024 asks the CCU to approve the contract for the new Merchant Services Vendor, Bank of Hawaii (BOH); While the PUC approved the contract, the Office of the Attorney General has expressed concerns and has yet to sign.

The Upper Tumon office is open for payments on Saturdays. For the four Saturdays in May, 420 payments totaling \$65,635 were made towards GWA billings and 593 payments totaling \$133,650 were made for GPA.

For the month of May, Finance posted \$52,791 in utility payments from the Department of Administration (DOA) for eligible renters as part of the Guam Emergency Rental Assistance Program (GERAP). There were no



payments received for eligible homeowners as part of the Guam Homeowners Assistance Fund (GHAFP); the Department of Administration website has posted that this program is closed.

Guam Solid Waste (GSW) Customer Payments

GPWA began to accept GSW payments on June 6, 2022. For the month of May 2024, GWA accepted \$69,832 in GSW payments at the Upper Tumon Office. GWA will bill \$1,233 to GSW for processing fees.

FY2025-FY2029 Financial Plan

Five virtual meetings with the PUC consultants on the rate petition were held in May 2024 and two additional meetings are scheduled in June. Presentations to various professional and community groups as well as public hearings are being planned. A flyer with information about the proposed five-year plan was mailed to ratepayers in May along with their May bills. The final docket was submitted on June 6, 2024.

Legislative Updates

On May 3, 2024, a Public Hearing was held for testimony on Bill 273-37, *Relative to Authorizing GWA to Establish a Customer Assistance Program (CAP)*, and on May 9, 2024, Bill 304-37 was introduced appropriating five million dollars from the General Fund for the GWA CAP.

Also at the May 3, 2024 Public Hearing, GWA provided testimony on Bill 274-37, *Relative to Creating a Commercial Paper Program for GWA, Approving the Terms and Conditions of the Issuance of GWA Revenue Bonds, and Authorizing GWA to obtain loans through WIFIA (and USDA)*. Subsequently, on May 29, 2024, the Legislature convened a Meeting of the Whole to discuss Bill 274-37.

Invest Guam Symposium

GEDA hosted a 2-day InvestGuam Symposium on May 14 and 15 in New York City. All the Government of Guam credits, including GWA, have been invited to participate in the presentation to potential investors. GWA had over ten one-on-one meetings with investors and underwriters while in New York.

Tourism

Visitor arrivals in April 2024 were 56,773 compared to April 2023 arrivals of 55,354, an increase of 2.6%. Fiscal Year to Date arrivals in April 2024 were 470,902 up 27.7% for April FY2023's YTD 368,651. Calendar Year to Date arrivals in April 2024 were 282,220 up 20.7% from April CY2023's YTD 233,897.

**GUAM WATERWORKS AUTHORITY
May 31, 2024
FINANCIAL AND RELATED REPORTS
TABLE OF CONTENTS**

	SCHEDULES	PAGE
BALANCE SHEET	A	2
INCOME STATEMENT MTD ACTUALS VS MTD BUDGET	B	3
INCOME STATEMENT MTD ACTUALS FY24 VS FY23	C	4
INCOME STATEMENT YTD ACTUALS VS YTD BUDGET	D	5
INCOME STATEMENT YTD ACTUALS FY24 VS FY23	E	6
STATEMENT OF CASH FLOWS	F	7
SCHEDULE OF CASH RESTRICTED/UNRESTRICTED	G	8
AGING REPORT - GOVERNMENT RECEIVABLES	H	9
AGING REPORT - RECEIVABLES BY RATE CLASS	I	10
AGING REPORT - ACCOUNTS PAYABLE	J	11
WATER DEMAND BY RATE CLASS FY2015 - FY2024	K	12
SYSTEM DEVELOPMENT CHARGES PROJECT STATUS	L	13

GWA Work Session - July 16, 2024 - GWA GM REPORT

GUAM WATERWORKS AUTHORITY
Balance Sheet
May 31, 2024

SCHEDULE A

ASSETS AND DEFERRED OUTFLOWS of RESOURCES	Unaudited May 31, 2024	Audited September 30, 2023	Increase (Decrease)
Current Assets			
Cash			
Unrestricted (Schedule G)	49,023,392	50,324,888	(1,301,495)
Restricted Funds (Schedule G)	40,139,981	32,707,733	7,432,248
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$9,582,684 at May 31, 2024 and \$10,894,003 at Sep 30, 2023	16,570,757	11,484,716	5,086,040
Federal Receivable	971,124	2,191,346	(1,220,222)
Other Receivable	1,560,545	1,561,619	(1,075)
Prepaid Expenses	1,353,942	1,206,948	146,994
Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$122,856 at May 31, 2024 and \$122,856 at Sep 30, 2023	4,979,183	5,096,658	(117,475)
Total Current Assets	114,598,924	104,573,908	10,025,016
Property, Plant and Equipment			
Utility plant in service			
Water system	446,142,445	444,848,078	1,294,366
Wastewater system	683,275,301	679,249,470	4,025,831
Non-utility property	34,294,894	33,683,228	611,666
Total property	1,163,712,640	1,157,780,776	5,931,864
Less: Accumulated Depreciation	(443,659,654)	(424,928,727)	(18,730,927)
Land	5,737,168	5,287,305	449,863
Construction Work in Progress	79,606,788	74,149,217	5,457,571
Property, Plant and Equipment, net	805,396,942	812,288,571	(6,891,629)
Lease and subscription IT assets	614,418	614,418	-
Noncurrent assets			
Restricted cash (Schedule G)	147,152,133	150,366,788	(3,214,655)
Investments (Schedule G)	77,481,030	70,239,665	7,241,365
Total other noncurrent assets and deferred charges	224,633,163	220,606,453	4,026,710
Total Assets	1,145,243,447	1,138,083,350	7,160,097
Deferred outflows of resources			
Regulatory assets	3,174,728	3,174,728	-
Debt defeasance due to bond refunding	25,834,100	27,184,464	(1,350,363)
Deferred outflows from pension	18,328,045	18,328,045	-
Deferred outflows from OPEB	28,539,954	28,539,954	-
Total Assets and Deferred Outflows of Resources	1,221,120,274	1,215,310,541	5,809,733
LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS			
Current Liabilities			
Current maturities of long-term debt			
Series 2013 Revenue Bond	-	3,315,000	(3,315,000)
Series 2014 Refunding Bond	4,205,000	4,205,000	-
Series 2016 Revenue Bond	875,000	875,000	-
Series 2017 Refunding Bond	2,365,000	2,365,000	-
Current portion of lease and subscription IT liabilities	375,103	375,103	-
Accounts Payable -Trade	4,287,840	4,329,683	(41,843)
Accrued and Other Liabilities	10,758,749	9,202,765	1,555,985
Interest Payable	11,127,902	7,070,516	4,057,386
Accrued Payroll and Employee Benefits	2,002,011	1,334,022	667,989
Current portion of employee annual leave	729,390	729,390	-
Contractors' Payable	5,780,332	8,565,009	(2,784,677)
Customer and Other Deposits	2,296,045	2,268,968	27,077
Total Current Liabilities	44,802,373	44,635,456	166,917
Long Term Debt, less current maturities			
Series 2013 Revenue Bond	-	15,050,000	(15,050,000)
Series 2014 Refunding Bond	-	55,845,000	(55,845,000)
Series 2016 Revenue Bond	81,890,000	133,265,000	(51,375,000)
Series 2017 Refunding Bond	57,660,000	98,565,000	(40,905,000)
Series 2020A Revenue Bond	134,000,000	134,000,000	-
Series 2020B Refunding Bond	125,835,000	166,075,000	(40,240,000)
Series 2024A Refunding Bond	133,575,000	-	133,575,000
Series 2024B Refunding Bond	51,275,000	-	51,275,000
Unamortized Bond Premium/Discount	51,370,959	37,287,410	14,083,549
Lease and subscription IT liabilities	192,245	192,245	-
Net pension liability	59,402,698	59,402,698	-
Net OPEB obligation	87,184,863	87,184,863	-
Employee Annual Leave, Less Current Portion	913,289	913,289	-
Employee Sick Leave	1,429,998	1,429,998	-
Total Liabilities	829,531,425	833,845,960	(4,314,535)
Deferred inflows of resources:			
Contribution in Aid of Construction	639,287	646,937	(7,650)
Deferred inflows from pension	3,009,820	3,009,820	-
Deferred inflows from OPEB	43,293,492	43,293,492	-
Total Liabilities and Deferred Inflows of Resources	876,474,024	880,796,209	(4,322,185)
Net Assets	344,646,250	334,514,332	10,131,918
Total Liabilities, Deferred Inflows of Resources and Net Assets	1,221,120,274	1,215,310,541	5,809,733

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative Budget vs. Actual for the period ending May 31, 2024

SCHEDULE B

	Month to Date		Variance Favorable / (Unfavorable)
	Actual (Unaudited) May-24	Budget May-24	
OPERATING REVENUES			
Water Revenues	6,694,951	6,706,635	(11,684)
Wastewater Revenues	3,501,895	3,652,565	(150,670)
Legislative Surcharge	335,673	327,945	7,728
Other Revenues	55,253	39,525	15,728
System Development Charge	409,678	102,000	307,678
Total Operating Revenues	10,997,450	10,828,670	168,781
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	1,518,065	491,667	(1,026,399)
Power Purchases	1,862,762	1,935,131	72,368
Total Utility Costs	3,380,828	2,426,797	(954,031)
Salaries and Wages	1,699,902	1,825,560	125,658
Pension and Benefits	708,779	649,877	(58,903)
Total Salaries and Benefits	2,408,681	2,475,437	66,756
Capitalized Labor and Benefits	(278,891)	(346,595)	(67,704)
Net Salaries and Benefits	2,129,790	2,128,842	(948)
Administrative and General Expenses			
Sludge removal	103,850	27,993	(75,857)
Chemicals	87,513	159,944	72,431
Materials & Supplies	85,477	207,083	121,605
Transportation	31,481	64,580	33,099
Communications	7,467	13,268	5,801
Claims	-	14,917	14,917
Insurance	137,905	161,333	23,428
Training & Travel	1,257	16,763	15,506
Advertising	675	11,199	10,524
Miscellaneous	72,996	111,992	38,997
Regulatory Expense	3,062	18,250	15,188
Bad Debts Provision	(9,115)	188,520	197,635
Total Administrative and General Expense	522,566	995,841	473,275
Depreciation Expense	2,228,477	2,401,423	172,946
Contractual Expense			
Audit & Computer Maintenance	97,004	165,771	68,768
Building rental	48,905	50,264	1,358
Equipment rental	5,820	46,774	40,954
Legal	45,895	125,000	79,105
Laboratory	144,422	43,829	(100,593)
Other	52,119	190,403	138,283
Total Contractual Expense	394,165	622,041	227,876
Retiree Supp. Annuities and health care costs	245,493	252,159	6,666
Contribution to Government of Guam	58,458	60,809	2,350
Total Retiree Benefits	303,952	312,968	9,017
Total Operating Expenses	8,959,778	8,887,913	(71,865)
Earnings (Loss) from Operations			
Interest Income - 2010/13/14/16/17/20 Series Bond	1,149,134	647,004	502,130
Interest Income - Other Funds	181,599	22,917	158,682
Interest Income - SDC	36,139	873	35,266
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,356,839)	(2,356,839)	-
Contributions from Local Government	-	-	-
Federal Expenditures	-	-	-
Loss on Asset Disposal	-	(56,499)	56,499
Amortization of Discount, Premium and Issuance Costs	(1,299,935)	124,228	(1,424,163)
Defeasance due to bond refunding	2,868,923	(170,449)	3,039,372
Prior Year Adjustment	(2,511)	(7,229)	4,718
Total non-operating revenues (expenses)	576,512	(1,795,994)	2,372,506
Net Income (Loss) before capital contributions	2,614,184	144,762	2,469,421
Capital Contributions			
Grants from US Government	-	1,686,437	(1,686,437)
Grants from GovGuam & Others	-	8,937	(8,937)
Total Capital Contributions	-	1,695,374	(1,695,374)
Change in Net Assets	2,614,184	1,840,136	774,048
Debt Service Calculation			
Earnings From Operations	2,037,672	1,940,757	
System Development Charge	(409,678)	(102,000)	
Retiree COLA	58,458	60,809	
Interest/Investment Income	181,599	22,917	
Depreciation	2,228,477	2,401,423	
Plus withdrawals (deposits) to Rate Stabilization Fund	-	79,167	
ARPA Grant	-	-	
Balance Available for Debt Service per Section 6.12	4,096,528	4,403,072	
Debt Service			
Principal	896,667	896,667	
Interest	2,356,839	2,356,839	
Total	3,253,505	3,253,505	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.26	1.35	
Debt Service Coverage (1.30X) (PUC)	1.26	1.35	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative for the period ending May 31, 2024 and 2023

SCHEDULE C

	Month to Date		Variance Increase / (Decrease)
	Actual (Unaudited) May-24	Actual (Audited) May-23	
OPERATING REVENUES			
Water Revenues	6,694,951	5,563,314	1,131,637
Wastewater Revenues	3,501,895	3,122,693	379,201
Legislative Surcharge	335,673	261,192	74,482
Other Revenues	55,253	31,343	23,910
System Development Charge	409,678	60,774	348,904
Total Operating Revenues	10,997,450	9,039,316	1,958,135
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	1,518,065	659,738	858,328
Power Purchases	1,862,762	1,860,101	2,661
Total Utility Costs	3,380,828	2,519,839	860,989
Salaries and Wages	1,699,902	1,660,578	39,324
Pension and Benefits	708,779	663,625	45,154
Total Salaries and Benefits	2,408,681	2,324,203	84,478
Capitalized Labor and Benefits	(278,891)	(358,404)	79,513
Net Salaries and Benefits	2,129,790	1,965,799	163,991
Administrative and General Expenses			
Sludge removal	103,850	48,860	54,989
Chemicals	87,513	182,143	(94,630)
Materials & Supplies	85,477	153,225	(67,747)
Transportation	31,481	35,517	(4,037)
Communications	7,467	7,522	(55)
Claims	-	3,086	(3,086)
Insurance	137,905	147,927	(10,022)
Training & Travel	1,257	1,834	(577)
Advertising	675	1,675	(1,000)
Miscellaneous	72,996	79,340	(6,345)
Regulatory Expense	3,062	10,659	(7,597)
Bad Debts Provision	(9,115)	174,744	(183,859)
Total Administrative and General Expense	522,566	846,532	(323,965)
Depreciation Expense	2,228,477	2,417,977	(189,500)
Contractual Expense			
Audit & Computer Maintenance	97,004	174,210	(77,206)
Building rental	48,905	48,327	579
Equipment rental	5,820	29,727	(23,907)
Legal	45,895	-	45,895
Laboratory	144,422	15,303	129,120
Other	52,119	71,196	(19,076)
Total Contractual Expense	394,165	338,762	55,403
Retiree Supp. Annuities and health care costs	245,493	229,719	15,774
Contribution to Government of Guam	58,458	56,100	2,358
Total Retiree Benefits	303,952	285,819	18,132
Total Operating Expenses	8,959,778	8,374,728	585,050
Earnings (Loss) from Operations	2,037,672	664,588	1,373,084
Interest Income - 2010/13/14/16/17/20 Series Bond	1,149,134	901,337	247,798
Interest Income - Other Funds	181,599	157,662	23,937
Interest Income - SDC	36,139	6,620	29,520
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,356,839)	(2,400,140)	43,301
Contributions from Local Government	-	1,000,000	(1,000,000)
Federal Expenditures	-	-	-
Loss on Asset Disposal	-	(58,216)	58,216
Amortization of Discount, Premium and Issuance Costs	(1,299,935)	124,228	(1,424,163)
Defeasance due to bond refunding	2,868,923	(170,449)	3,039,372
Prior Year Adjustment	(2,511)	(3,400)	890
Total non-operating revenues (expenses)	576,512	(442,359)	1,018,871
Net Income (Loss) before capital contributions	2,614,184	222,228	2,391,955
Capital Contributions			
Grants from US Government	-	15,876	(15,876)
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	-	15,876	(15,876)
Change in Net Assets	2,614,184	238,105	2,376,079
Debt Service Calculation			
Earnings From Operations	2,037,672	664,588	
System Development Charge	(409,678)	(60,774)	
Retiree COLA	58,458	56,100	
Interest/Investment Income	181,599	157,662	
Depreciation	2,228,477	2,417,977	
Plus withdrawals (deposits) to Rate Stabilization Fund	-	-	
ARPA Grant	-	1,000,000	
Balance Available for Debt Service per Section 6.12	4,096,528	4,235,552	
Debt Service			
Principal	896,667	852,917	
Interest	2,356,839	2,400,140	
Total	3,253,505	3,253,056	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.26	1.30	
Debt Service Coverage (1.30X) (PUC)	1.26	1.30	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative Budget vs. Actual for the period ending May 31, 2024

SCHEDULE D

	Year to Date		Variance Favorable / (Unfavorable)
	Actual (Unaudited) May-24	Budget May-24	
OPERATING REVENUES			
Water Revenues	53,042,641	53,653,076	(610,435)
Wastewater Revenues	29,192,665	29,220,519	(27,855)
Legislative Surcharge	2,696,199	2,623,561	72,639
Other Revenues	324,254	316,200	8,054
System Development Charge	1,348,409	816,000	532,409
Total Operating Revenues	86,604,168	86,629,356	(25,188)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	8,513,317	3,933,333	(4,579,983)
Power Purchases	14,231,003	15,481,045	1,250,042
Total Utility Costs	22,744,320	19,414,379	(3,329,941)
Salaries and Wages	13,121,655	14,604,484	1,482,829
Pension and Benefits	5,438,889	5,199,014	(239,875)
Total Salaries and Benefits	18,560,545	19,803,498	1,242,953
Capitalized Labor and Benefits	(1,995,145)	(2,772,760)	(777,615)
Net Salaries and Benefits	16,565,400	17,030,738	465,338
Administrative and General Expenses			
Sludge removal	755,546	223,944	(531,602)
Chemicals	972,921	1,279,554	306,633
Materials & Supplies	782,693	1,656,663	873,969
Transportation	322,179	516,640	194,461
Communications	71,836	106,141	34,305
Claims	-	119,333	119,333
Insurance	1,168,837	1,290,667	121,830
Training & Travel	128,915	134,102	5,188
Advertising	18,034	89,590	71,556
Miscellaneous	1,006,583	895,938	(110,645)
Regulatory Expense	164,777	146,000	(18,777)
Bad Debts Provision	161,836	1,508,157	1,346,321
Total Administrative and General Expense	5,554,157	7,966,729	2,412,572
Depreciation Expense	19,014,333	19,211,384	197,051
Contractual Expense			
Audit & Computer Maintenance	1,138,390	1,326,171	187,782
Building rental	390,128	402,110	11,982
Equipment rental	215,345	374,194	158,849
Legal	176,904	1,000,000	823,096
Laboratory	520,620	350,633	(169,986)
Other	831,671	1,523,221	691,550
Total Contractual Expense	3,273,057	4,976,330	1,703,272
Retiree Supp. Annuities and health care costs	2,121,800	2,017,274	(104,526)
Contribution to Government of Guam	467,667	486,470	18,804
Total Retiree Benefits	2,589,467	2,503,745	(85,722)
Total Operating Expenses	69,740,733	71,103,304	1,362,571
Earnings (Loss) from Operations	16,863,435	15,526,052	1,337,383
Interest Income - 2010/13/14/16/17/20 Series Bond	7,372,172	5,176,033	2,196,139
Interest Income - Other Funds	1,605,231	183,333	1,421,898
Interest Income - SDC	150,079	6,984	143,095
Interest Expense - 2010/13/14/16/17/20 Series Bond	(18,854,710)	(18,854,710)	-
Contributions from Local Government	-	-	-
Federal Expenditures	-	-	-
Loss on Asset Disposal	(239,497)	(451,991)	212,494
Amortization of Discount, Premium and Issuance Costs	(205,492)	993,824	(1,199,316)
Defeasance due to bond refunding	1,687,355	(1,363,594)	3,050,950
Prior Year Adjustment	(37,745)	(57,833)	20,087
Total non-operating revenues (expenses)	(8,522,608)	(14,367,954)	5,845,346
Net Income (Loss) before capital contributions	8,340,828	1,158,098	7,182,729
Capital Contributions			
Grants from US Government	1,648,061	13,491,493	(11,843,432)
Grants from GovGuam & Others	143,029	71,497	71,532
Total Capital Contributions	1,791,090	13,562,990	(11,771,899)
Change in Net Assets	10,131,918	14,721,088	(4,589,170)
Debt Service Calculation			
Earnings From Operations	16,863,435	15,526,052	
System Development Charge	(1,348,409)	(816,000)	
Retiree COLA	467,667	486,470	
Interest/Investment Income	1,605,231	183,333	
Depreciation	19,014,333	19,211,384	
Plus withdrawals (deposits) to Rate Stabilization Fund	-	633,333	
ARPA Grant	-	-	
Balance Available for Debt Service per Section 6.12	36,602,256	35,224,573	
Debt Service			
Principal	7,173,333	7,173,333	
Interest	18,854,710	18,854,710	
Total	26,028,043	26,028,043	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.41	1.35	
Debt Service Coverage (1.30X) (PUC)	1.41	1.35	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative for the period ending May 31, 2024 and 2023

SCHEDULE E

	Year to Date		Variance Increase / (Decrease)
	Actual (Unaudited) May-24	Actual (Audited) May-23	
OPERATING REVENUES			
Water Revenues	53,042,641	44,808,934	8,233,707
Wastewater Revenues	29,192,665	24,777,390	4,415,275
Legislative Surcharge	2,696,199	2,089,322	606,878
Other Revenues	324,254	379,331	(55,077)
System Development Charge	1,348,409	1,101,328	247,081
Total Operating Revenues	86,604,168	73,156,305	13,447,863
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	8,513,317	4,498,809	4,014,508
Power Purchases	14,231,003	17,891,667	(3,660,664)
Total Utility Costs	<u>22,744,320</u>	<u>22,390,476</u>	<u>353,844</u>
Salaries and Wages	13,121,655	12,835,655	286,000
Pension and Benefits	5,438,889	5,030,494	408,396
Total Salaries and Benefits	<u>18,560,545</u>	<u>17,866,149</u>	<u>694,396</u>
Capitalized Labor and Benefits	(1,995,145)	(1,944,827)	(50,318)
Net Salaries and Benefits	<u>16,565,400</u>	<u>15,921,322</u>	<u>644,078</u>
Administrative and General Expenses			
Sludge removal	755,546	418,479	337,067
Chemicals	972,921	968,517	4,404
Materials & Supplies	782,693	919,577	(136,884)
Transportation	322,179	352,943	(30,764)
Communications	71,836	78,852	(7,016)
Claims	-	31,392	(31,392)
Insurance	1,168,837	1,183,415	(14,578)
Training & Travel	128,915	58,666	70,248
Advertising	18,034	39,774	(21,740)
Miscellaneous	1,006,583	783,977	222,606
Regulatory Expense	164,777	127,820	36,956
Bad Debts Provision	161,836	1,429,313	(1,267,476)
Total Administrative and General Expense	<u>5,554,157</u>	<u>6,392,725</u>	<u>(838,568)</u>
Depreciation Expense	<u>19,014,333</u>	<u>19,099,639</u>	<u>(85,307)</u>
Contractual Expense			
Audit & Computer Maintenance	1,138,390	1,329,661	(191,272)
Building rental	390,128	385,402	4,726
Equipment rental	215,345	319,533	(104,188)
Legal	176,904	429,236	(252,332)
Laboratory	520,620	185,660	334,960
Other	831,671	1,031,642	(199,971)
Total Contractual Expense	<u>3,273,057</u>	<u>3,681,134</u>	<u>(408,077)</u>
Retiree Supp. Annuities and health care costs	2,121,800	1,900,986	220,814
Contribution to Government of Guam	467,667	448,800	18,867
Total Retiree Benefits	<u>2,589,467</u>	<u>2,349,786</u>	<u>239,681</u>
Total Operating Expenses	<u>69,740,733</u>	<u>69,835,083</u>	<u>(94,350)</u>
Earnings (Loss) from Operations	<u>16,863,435</u>	<u>3,321,222</u>	<u>13,542,213</u>
Interest Income - 2010/13/14/16/17/20 Series Bond	7,372,172	5,983,470	1,388,701
Interest Income - Other Funds	1,605,231	887,190	718,041
Interest Income - SDC	150,079	32,697	117,382
Interest Expense - 2010/13/14/16/17/20 Series Bond	(18,854,710)	(19,201,118)	346,408
Contributions from Local Government	-	9,800,000	(9,800,000)
Federal Expenditures	-	-	-
Loss on Asset Disposal	(239,497)	(284,212)	44,715
Amortization of Discount, Premium and Issuance Costs	(205,492)	993,824	(1,199,316)
Defeasance due to bond refunding	1,687,355	(1,363,594)	3,050,950
Prior Year Adjustment	(37,745)	(154,545)	116,800
Total non-operating revenues (expenses)	<u>(8,522,608)</u>	<u>(3,306,287)</u>	<u>(5,216,320)</u>
Net Income (Loss) before capital contributions	<u>8,340,828</u>	<u>14,935</u>	<u>8,325,893</u>
Capital Contributions			
Grants from US Government	1,648,061	10,161,131	(8,513,070)
Grants from GovGuam & Others	143,029	35,749	107,281
Total Capital Contributions	<u>1,791,090</u>	<u>10,196,879</u>	<u>(8,405,789)</u>
Change in Net Assets	<u>10,131,918</u>	<u>10,211,814</u>	<u>(79,897)</u>
Debt Service Calculation			
Earnings From Operations	16,863,435	3,321,222	
System Development Charge	(1,348,409)	(1,101,328)	
Retiree COLA	467,667	448,800	
Interest/Investment Income	1,605,231	887,190	
Depreciation	19,014,333	19,099,639	
Plus withdrawals (deposits) to Rate Stabilization Fund	-	2,550,000	
ARPA Grant	-	9,800,000	
Balance Available for Debt Service per Section 6.12	<u>36,602,256</u>	<u>35,005,524</u>	
Debt Service			
Principal	7,173,333	6,823,333	
Interest	18,854,710	19,201,118	
Total	<u>26,028,043</u>	<u>26,024,452</u>	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	<u>1.41</u>	<u>1.35</u>	
Debt Service Coverage (1.30X) (PUC)	<u>1.41</u>	<u>1.35</u>	

SCHEDULE F			
Guam Waterworks Authority Statement of Cash Flows FY2024	Unaudited YTD May-24	Audited YTD Sep-23	Increase (Decrease)
Cash flows from operating activities:			
Cash received from trade and others	81,384,443	120,965,897	(39,581,454)
Cash payments to suppliers/contractors for goods and services	(29,932,725)	(46,755,481)	16,822,756
Cash payments to employees for services	(17,892,555)	(27,081,802)	9,189,247
Cash payments for retiree healthcare costs and other benefits	(2,589,467)	(3,560,495)	971,028
Net cash provided by operating activities	30,969,696	43,568,119	(12,598,423)
Cash flows from noncapital financing activities:			
Receipts from the Local Government operating grant	-	14,460,048	(14,460,048)
	-	14,460,048	(14,460,048)
Cash flows from capital and related financing activities:			
Contributed capital received (grants)	3,011,313	10,208,987	(7,197,674)
Acquisition of utility plant	(13,151,733)	(41,331,452)	28,179,719
Repayment of Long Term Debt	(6,446,088)	(10,235,000)	3,788,912
Interest expense	(13,353,206)	(28,801,678)	15,448,472
Legal proceeds	-	950,000	(950,000)
Net cash provided by (used in) capital and related financing activities	(29,939,714)	(69,209,143)	39,269,429
Cash flows from investing activities:			
Transfers from (to) restricted fund	(11,458,958)	11,077,261	(22,536,219)
Interest income received	9,127,481	11,604,779	(2,477,298)
Net cash provided by investing activities	(2,331,477)	22,682,040	(25,013,517)
Net increase (decrease) in cash	(1,301,495)	11,501,064	(12,802,559)
Unrestricted cash at beginning of the period	50,324,888	38,823,824	11,501,063
Unrestricted cash at end of period	49,023,392	50,324,888	(1,301,496)
Reconciliation of operating loss to net cash provided by operating activities:			
Operating Income (loss)	16,863,435	1,872,603	14,990,832
Adjustments to reconcile to net cash provided by operating activities:			
Depreciation expense	19,014,333	30,911,997	(11,897,664)
Bad debts (recovery)	161,836	421,467	(259,631)
Capitalized labor and benefits	(1,995,145)	(3,075,928)	1,080,783
Recovery of provision for inventory obsolescence	-	-	-
Non-cash pension and OPEB costs	-	1,335,785	(1,335,785)
Other Non-cash adjustments	-	(323,071)	323,071
(Increase) decrease in assets:			
Accounts receivable	(5,246,802)	4,519,295	(9,766,097)
Materials and supplies inventory	117,475	(623,993)	741,468
Prepaid expenses	(146,994)	526,069	(673,063)
Regulatory Assets	-	(377,969)	377,969
Increase (decrease) in liabilities:			
Accounts payable	(41,843)	(45,808)	3,965
Accrued payroll and employee benefits	667,989	136,972	531,017
Customer deposits	27,077	(6,345)	33,422
Other liabilities	1,548,335	8,297,045	(6,748,710)
Net cash provided by operating activities	30,969,696	43,568,119	(12,598,422)

GUAM WATERWORKS AUTHORITY
Restricted and Unrestricted Cash Summary
FY2024

SCHEDULE G

Description	Unaudited May 31, 2024	Audited September 30, 2023	Increase (Decrease)
UNRESTRICTED			
Change Fund	2,000	2,000	-
Petty Cash	3,930	3,930	-
BOG Deposit Accounts	22,930,768	26,112,801	(3,182,033)
BOG O & M Reserve	14,964,020	14,477,230	486,790
BOG CapEx Fund	10,172,674	8,778,927	1,393,747
BOG Rate Stabilization Fund	950,000	950,000	-
Sub-total Unrestricted	49,023,392	50,324,888	(1,301,495)
	-	-	(0)
RESTRICTED			
Bank Pacific	11,470	6,345	5,124
Bank of Hawaii	715,714	167,390	548,324
Community First FCU	2,570	2,538	31
First Hawaiian Bank	57,977	82,921	(24,945)
Bank Pacific Surcharge	2,510,695	6,863	2,503,832
Bank Pacific Escrow Deposit	958,774	958,711	64
BOG Customer Refunds	2,279,385	2,157,517	121,869
BOG Sewer Hookup Revolving Fund	2,143,985	2,079,769	64,216
BOG Operation and Maintenance Fund	3,083,482	3,083,482	-
BOG Revenue Trust	506,402	(137,922)	644,325
BOG Revenue Trust Fund	9,065,398	10,471,820	(1,406,422)
BOG Capital Improvement Revenue Fund	11,923,887	8,452,503	3,471,383
	33,259,739	27,331,937	5,927,802
BOG - SDC Deposit	2,880,242	1,125,796	1,754,446
BOG - SDC CDs	4,000,000	4,250,000	(250,000)
Total SDC	6,880,242	5,375,796	1,504,446
Total Restricted	40,139,981	32,707,733	7,432,248
Reserve Funds			
BOG Series 2013 Construction Fund	3,225,794	3,459,448	(233,653)
BOG Series 2016 Construction Fund	23,085,395	27,091,177	(4,005,782)
BOG Series 2017 Refunding Construction Fund	3,649,397	3,648,718	679
BOG Series 2020A Construction Fund	112,170,674	111,457,380	713,294
BOG CIF-Construction Fund Transfers	4,868,438	4,710,065	158,374
BOG-2024AB COI Funds	152,434	-	152,434
Total Restricted - Held by Trustee	147,152,133	150,366,788	(3,214,655)
BOG OMRRRF Fund	19,560,351	17,423,213	2,137,138
USB Series 2013 Debt Service Fund	364,716	1,494,615	(1,129,899)
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Reserve Fund	13,367,052	10,100,975	3,266,077
USB Series 2016 Debt Service Fund	2,618,370	2,061,782	556,588
USB Series 2016 Debt Service Reserve Fund	7,591,999	7,591,999	-
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	-
USB Series 2017 Debt Service Fund	3,517,142	2,015,191	1,501,951
USB Series 2020A Debt Service Fund	2,933,158	1,753,543	1,179,615
USB Series 2020A Debt Service Reserve Fund	6,659,700	6,659,700	-
USB Series 2020B Debt Service Reserve Fund	1,270,393	1,540,498	(270,105)
Total Investments	77,481,030	70,239,665	7,241,365
Total Restricted and Unrestricted Cash	313,796,536	303,639,073	10,157,463

**Guam Waterworks Authority
Accounts Receivable - Government (Active)
May 31, 2024**

SCHEDULE H

Customer Name	A G I N G						Total
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	
Autonomous Agencies (Active)							
Guam Int'l Airport Authority	8	19,108	104	113	103	262,311	281,739
Guam Power Authority	25	37,125	29,186	-	-	-	66,311
Port Authority of Guam	6	7,481	-	-	-	-	7,481
Guam Housing & Urban Renewal Authority	10	6,409	-	-	-	-	6,409
Guam Solid Waste Authority	4	917	858	527	17	-	2,318
Guam Housing Corporation	1	54	-	-	-	-	54
Total Autonomous Agencies	54	71,093	30,147	640	120	262,311	364,311
Semi-Autonomous Agencies (Active)							
Guam Memorial Hospital Authority	3	45,792	45,922	48,009	48,598	157,861	346,182
University of Guam	48	117,576	112,548	-	-	-	230,124
Guam Community College	4	8,082	-	-	-	-	8,082
Guam Environmental Protection Agency	2	332	1	-	-	-	332
Total Semi-Autonomous Agencies	57	171,782	158,471	48,009	48,598	157,861	584,720
Line Agencies (Active)							
Department of Education	51	353,358	197,114	80,984	57,105	247,290	935,851
Department of Corrections	9	152,049	126,724	101,583	3,063	880	384,297
Department of Parks & Recreation	13	64,221	50,415	18,430	6,417	-	139,483
Department of Public Works	10	22,622	21,097	18,909	350	402	63,380
Guam Fire Department	11	7,412	5,707	1,862	228	-	15,208
Department of Public Health & Social Services	9	4,356	4,448	1,347	1,700	2,193	14,044
Department of Agriculture	7	5,634	4,608	2,072	112	116	12,542
Guam Police Department	9	4,695	2,140	417	156	-	7,408
Guam Veterans Affairs Office	2	1,119	1,054	911	821	249	4,156
Department of Mental Health and Substance	4	2,353	-	-	-	-	2,353
Department of Youth Affairs	3	2,262	-	-	-	-	2,262
Guam Homeland Security/Civil Defense	1	919	1,079	-	-	-	1,997
Office of the Governor	2	1,706	0	-	-	-	1,706
Guam Visitors Bureau	2	811	-	-	-	-	811
Department of Chamorro Affairs	7	521	120	-	-	-	641
Department of Customs & Quarantine	1	528	-	-	-	-	528
Guam Public Library	6	284	78	-	-	-	362
Guam Energy Office	1	228	-	-	-	-	228
Office of Technology	1	193	-	-	-	-	193
Department of Administration	3	159	-	-	-	-	159
Department of Administration	1	65	92	-	-	-	157
Total Line Agencies	153	625,494	414,675	226,516	69,951	251,129	1,587,766
Other Government of Guam Entities (Active)							
Mayors Council of Guam	63	28,058	15,931	11,478	7,195	18,818	81,480
The Office of the Dededo Mayor	1	386	374	576	579	-	1,914
Superior Court of Guam	2	982	-	-	-	-	982
Judiciary of Guam	4	332	-	-	-	-	332
Merizo Mayor	1	128	-	-	-	-	128
Total Other Government of Guam Entities	71	29,885	16,306	12,053	7,774	18,818	84,836
Total as of May 31, 2024 (Active)	226	655,711	430,982	238,569	77,726	269,947	2,621,634

GWA Work Session - July 16, 2024 - GWA GM REPORT

GUAM WATERWORKS AUTHORITY
Accounts Receivable Aging Summary by Rate Class
As of May 31, 2024

SCHEDULE I

ACTIVE AND INACTIVE

Rate Class	A G I N G							Total	
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	444	\$ 2,299,442	\$ 3,803,782	\$ 294,120	\$ 154,021	\$ 911,111	\$ 7,462,477	29%	
Agriculture	402	32,116	5,050	2,790	8,062	32,023	80,042	0%	
Commercial I	2,698	1,526,317	219,327	107,636	37,961	536,190	2,427,431	9%	
Commercial II	53	328,664	11,830	64,500	-	-	404,994	2%	
Commercial III	290	694,181	55,725	69,554	59,017	336,160	1,214,636	5%	
Golf Course	7,343	73,487	44,008	40,641	71,380	3,794,528	4,024,044	15%	
Hotel	53	1,713,231	81,767	44,202	17,164	67,402	1,923,765	7%	
Irrigation	32	3,045	1,347	393	11	640,522	645,317	2%	
Residential	40,576	4,393,068	764,461	521,826	218,750	1,883,280	7,781,385	30%	
	51,891	11,063,550	4,987,297	1,145,663	566,365	8,201,215	25,964,091	100%	
		43%	19%	4%	2%	32%			
Less Allowance for Doubtful Accounts: (9,582,684)									
Net Accounts Receivable: 16,381,407									
Days Receivables Outstanding: 40									

As of April 30, 2024

Rate Class	A G I N G							Total	
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	444	\$ 2,429,032	\$ 3,615,051	\$ 351,348	\$ 208,810	\$ 834,996	\$ 7,439,236	29%	
Agriculture	416	40,216	5,206	9,335	3,982	29,288	88,028	0%	
Commercial I	2,701	1,469,655	220,204	102,705	30,785	577,687	2,401,036	9%	
Commercial II	53	276,282	82,015	4,519	-	80,916	443,732	2%	
Commercial III	289	590,940	89,530	92,994	20,505	420,022	1,213,991	5%	
Golf Course	14	14,330	106	106	5	-	14,546	0%	
Hotel	56	1,848,587	99,857	39,536	18,129	702,879	2,708,988	11%	
Irrigation	31	3,422	535	45	-	1,295	5,298	0%	
Residential	47,800	4,133,340	960,378	462,252	314,133	5,603,040	11,473,143	44%	
	51,804	10,805,804	5,072,882	1,062,841	596,349	8,250,123	25,787,999	100%	
		42%	20%	4%	2%	32%			
Less Allowance for Doubtful Accounts: (9,582,684)									
Net Accounts Receivable: 16,205,315									
Days Receivables Outstanding: 40									

ACTIVE ONLY

Rate Class	A G I N G							Total	
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	443	\$ 2,299,442	\$ 3,803,782	\$ 294,120	\$ 154,021	\$ 909,221	\$ 7,460,587	36%	
Agriculture	380	32,096	4,933	2,578	3,929	1,290	44,826	0%	
Commercial I	2,555	1,522,195	210,952	103,560	31,775	281,332	2,149,814	10%	
Commercial II	37	328,664	11,830	64,500	-	-	404,994	2%	
Commercial III	274	694,179	55,681	69,554	57,031	294,619	1,171,064	6%	
Golf Course	12	14,696	-	-	-	-	14,696	0%	
Hotel	53	1,713,231	81,767	44,202	17,164	67,402	1,923,765	9%	
Irrigation	30	3,045	1,347	393	11	-	4,795	0%	
Residential	40,195	4,388,773	734,505	513,314	215,285	1,553,388	7,405,264	36%	
	43,979	10,996,321	4,904,796	1,092,221	479,216	3,107,251	20,579,806	100%	
		53%	24%	5%	2%	15%			
Less Allowance for Doubtful Accounts: (9,582,684)									
Net Accounts Receivable: 10,997,122									

Rate Class	A G I N G							Total	
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	443	\$ 1,351,620	\$ 3,615,051	\$ 351,348	\$ 208,810	\$ 833,105	\$ 6,359,934	33%	
Agriculture	393	40,092	5,024	5,233	461	1,946	52,757	0%	
Commercial I	2,562	1,462,503	219,643	97,416	29,910	341,266	2,150,737	11%	
Commercial II	38	276,282	82,015	4,519	-	80,916	443,732	2%	
Commercial III	274	590,906	89,487	90,879	19,836	378,722	1,169,831	6%	
Golf Course	12	14,224	-	-	-	-	14,224	0%	
Hotel	53	1,840,217	99,857	39,536	18,129	62,357	2,060,096	11%	
Irrigation	30	3,422	535	45	-	-	4,003	0%	
Residential	40,266	4,064,395	918,846	386,167	246,646	1,559,116	7,175,170	37%	
	44,071	9,643,662	5,030,457	975,144	523,792	3,257,428	19,430,483	100%	
		50%	26%	5%	3%	17%			
Less Allowance for Doubtful Accounts: (9,582,684)									
Net Accounts Receivable: 9,847,799									

GUAM WATERWORKS AUTHORITY
Accounts Payable Aging

SCHEDULE J

As of	AGING						Total	Days Payable Outstanding
	Current	31 - 60 Days	61 - 90 Days	91 - 120 Days	> 120 Days			
May 31, 2024	\$ 3,522,925 82%	\$ 217,950 5%	\$ 16,043 0%	\$ 43,084 1%	\$ 487,838 11%	\$ 4,287,840 100%	33	
April 30, 2024	\$ 3,125,861 76%	\$ 317,525 8%	\$ 153,581 4%	\$ 30,357 1%	\$ 494,726 12%	\$ 4,122,050 100%	38	
March 31, 2024	\$ 2,714,584 73%	\$ 394,692 11%	\$ 70,496 2%	\$ 11,587 0%	\$ 507,461 14%	\$ 3,698,819 100%	39	

GUAM WATERWORKS AUTHORITY
WATER DEMAND BY RATE CLASS
FY2015 - FY2024

SCHEDULE K

CLASS	AUDITED										% Inc / (Dec.)
	FY2015 TOTAL CONSUMPTION (kGal)	FY2016 TOTAL CONSUMPTION (kGal)	FY2017 TOTAL CONSUMPTION (kGal)	FY2018 TOTAL CONSUMPTION (kGal)	FY2019 TOTAL CONSUMPTION (kGal)	FY2020 TOTAL CONSUMPTION (kGal)	FY2021 TOTAL CONSUMPTION (kGal)	FY2022 CONSUMPTION (kGal)*	FY2023 TOTAL CONSUMPTION (kGal)	Annualized Based on 8 months FY2024 TOTAL CONSUMPTION (kGal)	
R Residential	3,415,662	3,429,689	3,206,811	3,313,613	3,359,905	3,712,723	3,622,617	3,450,574	3,185,230	3,121,761	-2%
C Commercial	1,020,089	1,022,890	964,639	910,905	906,192	822,029	786,054	818,460	816,393	848,802	4%
F Federal	1,168	1,180	2,508	1,813	1,602	1,338	2,069	1,389	1,099	1,302	18%
G Government	515,974	475,366	448,430	450,165	405,980	408,502	404,026	470,581	445,116	490,948	10%
H Hotel	999,116	1,008,087	1,004,525	989,723	1,079,919	714,161	448,034	462,757	554,767	606,610	9%
G Golf	6,850	6,770	5,252	2,741	2,793	5,835	2,855	3,796	6,415	900	-86%
A Agriculture	67,376	78,628	69,482	81,127	90,803	84,492	68,805	65,719	49,748	65,543	32%
I Irrigation	<u>10,385</u>	<u>11,351</u>	<u>10,143</u>	<u>8,504</u>	<u>7,896</u>	<u>8,654</u>	<u>5,404</u>	<u>4,888</u>	<u>3,242</u>	<u>3,587</u>	11%
GRAND TOTAL	<u>6,036,620</u>	<u>6,033,960</u>	<u>5,711,790</u>	<u>5,758,590</u>	<u>5,855,091</u>	<u>5,757,733</u>	<u>5,339,864</u>	<u>5,278,164</u>	<u>5,062,012</u>	<u>5,139,454</u>	2%

**Guam Waterworks Authority
System Development Charges Project Status
As of May 31, 2024**

SCHEDULE L

Funding Summary

Total available project funds	\$ 19,028,169
Total project expenditures and encumbrances	12,445,814
Total unobligated project funds	\$ 6,582,355

Projects Funded

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

Future planned projects

FY 2024-2025

Water Distribution System Pipe Replacement & Upgrades	500,000
Capacity Enhancement - Well Development and Construction Progra	394,000
Well Repair Program	200,000
	\$ 1,094,000



Financial Statement Overview June 2024

Key Financial Indicators

Indicator	Target	April 2024	May 2024	June 2024
DSC YTD				
• Per Section 6.12 of Indenture	1.25	1.45	1.41	1.39
• Per PUC / CCU	1.30	1.45	1.41	1.39
Days – Cash on Hand	120 days	311 days	279 days	287 days
Collection Ratio**				
• Month to Date	99%	85%	93%	90%
• Year to Date	99%	90%	91%	90%
Days Billed	30 days	29 days	31 days	30 days
Account Receivable Days	30 days	40 days	40 days	42 days
Account Payable Days	45 days	34 days	33 days	32 days
Employee Count	400 FTE	349 FTE	347 FTE	351 FTE
Water Demand				
• Month to Date	451,933	427,852	441,340	429,506
• Year to Date	4,067,400	2,984,962	3,426,302	3,855,809
Wastewater Flow				
• Month to Date	317,500	328,076	320,257	337,832
• Year to Date	2,857,500	2,201,411	2,521,669	2,859,501
Operations & Maintenance Expense*	\$6,567,186	\$6,835,680	\$6,731,301	\$7,377,868
Water Customers	43,978	43,640	43,830	43,667
Wastewater Customers	30,781	31,024	31,161	31,111

*Excludes Depreciation

** Includes SDC Revenue and Collection

Water and Wastewater Consumption

Water consumption for June 2024 increased by 6% compared to June 2023. Decreases in Residential and Golf Course consumption were made up with increases in consumption in all other customer class. Wastewater flows increased by 18% in the month of June compared to last year. Wastewater flow decreases in the Residential and Commercial 3 customer classes were offset by increases in other customer classes. Note that billing days in June 2024 were 30 days compared to 31 days in June 2023.

Year-to-date water consumption was 1% higher than the same period last year with increases in the Hotel customer class largely offsetting decreases in the residential class. Year-to-date wastewater flows as of June 2024 were 2% higher as compared to last year due to increases in the Government and Hotel customer classes.

Year-to-date average daily water consumption (ADC) as of June 2024 of 14,281 kgals is about the same as the prior year's 14,302 kgals. Decreases in the Residential customer class were offset by increases in the Hotel customer class. Year-to-date billing days at 270 days are three days more than the prior year.



Balance Sheet (Schedule A)

- Total Assets & Deferred Outflows of Resources of \$1.215B in September 2023* increased by \$10.6M or 1% to \$1.225B in June 2024. Current Assets increased by \$10.6M primarily due to increases in cash and accounts receivable. Property, Plant and Equipment decreased by \$6.6M due to increases in accumulated depreciation. Other Noncurrent Assets increased by \$8.0M due to increases in investments.
- Liabilities & Deferred Inflow of Resources of \$880.8M in September 2023* decreased by \$419.1K compared to \$881.2M in June 2024.

*September 2023 balances updated based on FY23 audit.

- Accounts Receivable days in June 2024 increased to 42 days from 40 days in May 2024. Accounts Payable days in June 2024 were 32 days compared to 33 days in May 2024. Schedule I presents Accounts Receivable Aging by Customer Class and Schedule H contains a breakdown of Government Receivables. Schedule J reports Accounts Payable Aging.

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

- Total Operating Revenues for June 2024 of \$11.2M are \$414.8K or 4% more than the budget of \$10.8M. June 2024 Total Operating Revenues are 34% or \$2.8M more than June 2023's \$8.4M. Note there was a rate increase of 16.7% effective October 2023.
- Year-to-date Operating Revenues as of June 2024 of \$97.8M were \$389.6K more than budget and \$16.3M or 20% more than Year-to-date Operating Revenues as of June 2023 of \$81.6M.
- Below are the percentages of operating revenues (water and wastewater) contributed by GWA's customer classes for FY2024 and FY2023 as well as the revenue totals:

Customer Class	FY2024		FY2023	
o Residential	\$40,322,137	41.96%	\$34,889,832	43.60%
o Commercial	20,074,585	20.89%	17,353,086	21.68%
o Hotel	16,788,348	17.47%	12,542,637	15.67%
o Government of Guam	11,513,555	11.98%	9,589,395	11.98%
o Federal Government	6,944,557	7.23%	5,295,443	6.62%
o Agriculture, Golf Course, Irrigation	446,560	.46%	353,792	.44%
TOTALS	\$96,089,742	100.00%	\$80,024,185	100.00%

- Total Operating Expenses for June 2024 of \$9.8M were \$879.7K or 10% more than budget of \$8.9M. June 2024 Total Operating Expenses were 16% or \$1.5M more than June 2023's \$8.4M. We continue to monitor the Navy billing for water due to recent notices of substantial rate increases; the increases are related to the Base Operating Services Contract increases.
- Year-to-date Operating Expenses as of June 2024 of \$79.5M were 1% or \$460.9K less than the budget of \$80.0M and 1% or \$1.1M more than June 2023's YTD \$78.4M. Water purchases alone were \$5.0M more in this year compared to last year.
- Earnings from Operations for June 2024 of \$1.5M were 24% or \$464.9K less than the budget of \$1.9M and \$1.5M more than June 2023's -\$12.9K. Change in Net Assets for June 2024 of \$98.4K was 95% or \$1.7M less than the \$1.8M budget and \$1.0M less than June 2023's \$1.1M. The decrease in the Change in Net Assets year over year was mostly due to transactions related ARPA funding in the previous year.



- Year to Date Earnings from Operations as of June 2024 of \$18.3M is 5% or \$85.5K more than the budget of \$17.5M and \$15.1M more than prior year's \$3.2M. Year-to-date Change in Net Assets as of June 2024 of \$10.2M is \$6.3M or 38% less than budget of \$16.6M and \$977.1K less than prior year's \$11.2M. The decrease in the Change in Net Assets year over year was mostly due to the increase in Earnings from Operations being offset by the elimination of the ARPA funding and reduction in Grant contributions.
- No Rate Stabilization Funds were used in June 2024. There is a balance of \$950.0K in the RSF at the end of May 2024.

Cash Flow (Schedule F)

- FY2024 cash flows from operating activities were \$35.7M, \$31.8M in cash was used in capital and financing activities and cash used in investing activities was \$1.5M resulting in an increase in cash of \$2.3M. Days Cash on Hand for June 2024 was calculated at 287 days compared to 279 days for May 2024. Schedule G contains a schedule of restricted and unrestricted cash and investments.

Customer Payments

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

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

Month	Customer Count	Amount Paid	Fees	% Of Fees to Payments
May – September 2020	140	\$241,335	\$4,952	2.05%
October 2020–September 2021	526	\$1,119,286	\$22,505	2.01%
October 2021– September 2022	738	\$3,076,971	\$61,588	2.00%
October 2022 -September 2023	783	\$3,420,468	\$66,158	1.93%
October – December 2023	192	\$1,035,322	\$20,816	2.01%
January -March 2024	234	\$1,102,942	\$22,176	2.01%
April 2024	76	\$ 363,829	\$ 7,315	2.01%
May 2024	67	\$ 560,035	\$11,260	2.01%
June 2024	73	\$ 227,971	\$4,584	2.01%

Resolution 21- FY2024 asks the CCU to approve the contract for the new Merchant Services Vendor, Bank of Hawaii (BOH); While the PUC approved the contract, the Office of the Attorney General has expressed concerns and has yet to sign.

The Upper Tumon office is open for payments on Saturdays. For the five Saturdays in June, 602 payments totaling \$108,753 were made towards GWA billings and 741 payments totaling \$232,003 were made for GPA.



For the month of June, Finance posted \$10,855 in utility payments from the Department of Administration (DOA) for eligible renters as part of the Guam Emergency Rental Assistance Program (GERAP). There were no payments received for eligible homeowners as part of the Guam Homeowners Assistance Fund (GHAFP); the Department of Administration website has posted that this program is closed.

Guam Solid Waste (GSW) Customer Payments

GPWA began to accept GSW payments on June 6, 2022. For the month of June 2024, GWA accepted \$68,890 in GSW payments at the Upper Tumon Office. GWA will bill \$1,219 to GSW for processing fees.

FY2025-FY2029 Financial Plan

The final docket was submitted on June 6, 2024. Two virtual meetings with the PUC consultants on the rate petition were held in June 2024. Additionally, GWA has been responding to Requests for Information on the data provided. A scheduling meeting will be held with the PUC A;LJ in mid-July to ensure the Financial Plan is adjudicated by the end of this fiscal year and new rates can be effective at the beginning of FY2025.

Legislative Updates

On June 5, 2024, Governor Lou Leon Guerrero signed Bill 274-37 (COR) into law as Public Law 37-103, authorizing the creation of a commercial paper program as well as loans with USEPA and USDA. Public Law importantly authorizes an additional \$560 million in revenue bonds.

On July 5, 2024, the legislature introduced Bill 322-37 both of which appropriate \$15 million for wastewater infrastructure in parental subdivisions over the Northern Aquifer.

Bill 273-37 authorizing GWA to establish a Customer Assistance Program, introduced in April 2024, was passed by the legislature in July 2024.

Short Term Construction Financing

On July 2, 2024, additional information on alternative financing vehicles was requested from those organizations who responded to GEDA's RFI. 24-001 on Short Term Construction and Infrastructure Financing Program. Responses were requested by July 9, 2024.

Tourism

Visitor arrivals in May 2024 were 51,284 compared to May 2023 arrivals of 43,395, an increase of 18.2%. Fiscal Year to Date arrivals in May 2024 were 522,186 up 26.7% from May FY2023's YTD 412,046. Calendar Year to Date arrivals in May 2024 were 333,504 up 20.3% from May CY2023's YTD 277,292.

**GUAM WATERWORKS AUTHORITY
June 30, 2024
FINANCIAL AND RELATED REPORTS
TABLE OF CONTENTS**

	SCHEDULES	PAGE
BALANCE SHEET	A	2
INCOME STATEMENT MTD ACTUALS VS MTD BUDGET	B	3
INCOME STATEMENT MTD ACTUALS FY24 VS FY23	C	4
INCOME STATEMENT YTD ACTUALS VS YTD BUDGET	D	5
INCOME STATEMENT YTD ACTUALS FY24 VS FY23	E	6
STATEMENT OF CASH FLOWS	F	7
SCHEDULE OF CASH RESTRICTED/UNRESTRICTED	G	8
AGING REPORT - GOVERNMENT RECEIVABLES	H	9
AGING REPORT - RECEIVABLES BY RATE CLASS	I	10
AGING REPORT - ACCOUNTS PAYABLE	J	11
WATER DEMAND BY RATE CLASS FY2015 - FY2024	K	12
SYSTEM DEVELOPMENT CHARGES PROJECT STATUS	L	13

GUAM WATERWORKS AUTHORITY
Balance Sheet
June 30, 2024

SCHEDULE A

ASSETS AND DEFERRED OUTFLOWS of RESOURCES	Unaudited June 30, 2024	Audited September 30, 2023	Increase (Decrease)
Current Assets			
Cash			
Unrestricted (Schedule G)	52,650,175	50,324,888	2,325,287
Restricted Funds (Schedule G)	36,184,894	32,707,733	3,477,161
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$9,682,684 at Jun 30, 2024 and \$10,894,003 at Sep 30, 2023	17,848,747	11,484,716	6,364,031
Federal Receivable	1,035,080	2,191,346	(1,156,266)
Other Receivable	1,570,847	1,561,619	9,228
Prepaid Expenses	1,011,552	1,206,948	(195,396)
Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$122,856 at Jun 30, 2024 and \$122,856 at Sep 30, 2023	4,873,398	5,096,658	(223,259)
Total Current Assets	115,174,695	104,573,908	10,600,787
Property, Plant and Equipment			
Utility plant in service			
Water system	446,125,526	444,848,078	1,277,447
Wastewater system	683,633,527	679,249,470	4,384,057
Non-utility property	34,296,143	33,683,228	612,915
Total property	1,164,055,195	1,157,780,776	6,274,419
Less: Accumulated Depreciation	(446,007,554)	(424,928,727)	(21,078,827)
Land	5,737,168	5,287,305	449,863
Construction Work in Progress	81,952,512	74,149,217	7,803,295
Property, Plant and Equipment, net	805,737,323	812,288,571	(6,551,249)
Lease and subscription IT assets	614,418	614,418	-
Noncurrent assets			
Restricted cash (Schedule G)	146,172,073	150,366,788	(4,194,715)
Investments (Schedule G)	82,531,534	70,239,665	12,291,869
Total other noncurrent assets and deferred charges	228,703,607	220,606,453	8,097,154
Total Assets	1,150,230,042	1,138,083,350	12,146,692
Deferred outflows of resources			
Regulatory assets	3,174,728	3,174,728	-
Debt defeasance due to bond refunding	25,665,305	27,184,464	(1,519,159)
Deferred outflows from pension	18,328,045	18,328,045	-
Deferred outflows from OPEB	28,539,954	28,539,954	-
Total Assets and Deferred Outflows of Resources	1,225,938,074	1,215,310,541	10,627,533
LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS			
Current Liabilities			
Current maturities of long-term debt			
Series 2013 Revenue Bond	-	3,315,000	(3,315,000)
Series 2014 Refunding Bond	4,205,000	4,205,000	-
Series 2016 Revenue Bond	875,000	875,000	-
Series 2017 Refunding Bond	2,365,000	2,365,000	-
Lease and subscription IT liabilities	375,103	375,103	-
Accounts Payable -Trade	4,284,196	4,329,683	(45,487)
Accrued and Other Liabilities	12,640,777	9,202,765	3,438,012
Interest Payable	13,484,741	7,070,516	6,414,225
Accrued Payroll and Employee Benefits	2,098,961	1,334,022	764,939
Current portion of employee annual leave	729,390	729,390	-
Contractors' Payable	6,338,098	8,565,009	(2,226,911)
Customer and Other Deposits	2,303,824	2,268,968	34,856
Total Current Liabilities	49,700,090	44,635,456	5,064,634
Long Term Debt, less current maturities			
Series 2013 Revenue Bond	-	15,050,000	(15,050,000)
Series 2014 Refunding Bond	-	55,845,000	(55,845,000)
Series 2016 Revenue Bond	81,890,000	133,265,000	(51,375,000)
Series 2017 Refunding Bond	57,660,000	98,565,000	(40,905,000)
Series 2020A Revenue Bond	134,000,000	134,000,000	-
Series 2020B Refunding Bond	125,835,000	166,075,000	(40,240,000)
Series 2024A Refunding Bond	133,575,000	-	133,575,000
Series 2024B Refunding Bond	51,275,000	-	51,275,000
Unamortized Bond Premium/Discount	51,214,610	37,287,410	13,927,200
Lease and subscription IT liabilities	192,245	192,245	-
Net pension liability	59,402,698	59,402,698	-
Net OPEB obligation	87,184,863	87,184,863	-
Employee Annual Leave, Less Current Portion	913,289	913,289	-
Employee Sick Leave	1,429,998	1,429,998	-
Total Liabilities	834,272,793	833,845,960	426,833
Deferred inflows of resources:			
Contribution in Aid of Construction	639,287	646,937	(7,650)
Deferred inflows from pension	3,009,820	3,009,820	-
Deferred inflows from OPEB	43,293,492	43,293,492	-
Total Liabilities and Deferred Inflows of Resources	881,215,392	880,796,209	419,183
Net Assets	344,722,683	334,514,332	10,208,350
Total Liabilities, Deferred Inflows of Resources and Net Assets	1,225,938,074	1,215,310,541	10,627,533

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

SCHEDULE B

	Month to Date		Variance Favorable / (Unfavorable)
	Actual (Unaudited) June-24	Budget June-24	
OPERATING REVENUES			
Water Revenues	6,657,410	6,706,635	(49,224)
Wastewater Revenues	4,144,478	3,652,565	491,913
Legislative Surcharge	356,348	327,945	28,403
Other Revenues	41,308	39,525	1,783
System Development Charge	43,875	102,000	(58,125)
Total Operating Revenues	11,243,420	10,828,670	414,751
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	1,783,345	491,667	(1,291,679)
Power Purchases	1,842,623	1,935,131	92,508
Total Utility Costs	3,625,968	2,426,797	(1,199,171)
Salaries and Wages	1,691,873	1,825,560	133,687
Pension and Benefits	670,688	649,877	(20,811)
Total Salaries and Benefits	2,362,561	2,475,437	112,876
Capitalized Labor and Benefits	(275,033)	(346,595)	(71,562)
Net Salaries and Benefits	2,087,528	2,128,842	41,314
Administrative and General Expenses			
Sludge removal	86,527	27,993	(58,534)
Chemicals	91,030	159,944	68,914
Materials & Supplies	136,120	207,083	70,963
Transportation	61,963	64,580	2,617
Communications	8,536	13,268	4,732
Claims	50,549	14,917	(35,632)
Insurance	159,900	161,333	1,433
Training & Travel	35,473	16,763	(18,710)
Advertising	775	11,199	10,424
Miscellaneous	130,940	111,992	(18,948)
Regulatory Expense	8,717	18,250	9,533
Bad Debts Provision	92,614	188,520	95,906
Total Administrative and General Expense	863,143	995,841	132,698
Depreciation Expense	2,389,716	2,401,423	11,707
Contractual Expense			
Audit & Computer Maintenance	172,183	165,771	(6,411)
Building rental	48,905	50,264	1,358
Equipment rental	35,037	46,774	11,737
Legal	-	125,000	125,000
Laboratory	65,423	43,829	(21,594)
Other	125,973	190,403	64,430
Total Contractual Expense	447,521	622,041	174,520
Retiree Supp. Annuities and health care costs	295,248	252,159	(43,089)
Contribution to Government of Guam	58,458	60,809	2,350
Total Retiree Benefits	353,706	312,968	(40,738)
Total Operating Expenses	9,767,584	8,887,913	(879,671)
Earnings (Loss) from Operations	1,475,836	1,940,757	(464,920)
Interest Income - 2010/13/14/16/17/20 Series Bond	723,348	647,004	76,344
Interest Income - Other Funds	195,467	22,917	172,550
Interest Income - SDC	11,093	873	10,220
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,356,839)	(2,356,839)	-
Contributions from Local Government	-	-	-
Federal Expenditures	-	-	-
Loss on Asset Disposal	(112,467)	(56,499)	(55,968)
Amortization of Discount, Premium and Issuance Costs	156,349	124,228	32,121
Defeasance due to bond refunding	(168,795)	(170,449)	1,654
Prior Year Adjustment	(1,180)	(7,229)	6,049
Total non-operating revenues (expenses)	(1,553,025)	(1,795,994)	242,969
Net Income (Loss) before capital contributions	(77,188)	144,762	(221,951)
Capital Contributions			
Grants from US Government	175,616	1,686,437	(1,510,820)
Grants from GovGuam & Others	-	8,937	(8,937)
Total Capital Contributions	175,616	1,695,374	(1,519,757)
Change in Net Assets	98,428	1,840,136	(1,741,708)
Debt Service Calculation			
Earnings From Operations	1,475,836	1,940,757	
System Development Charge	(43,875)	(102,000)	
Retiree COLA	58,458	60,809	
Interest/Investment Income	195,467	22,917	
Depreciation	2,389,716	2,401,423	
Plus withdrawals (deposits) to Rate Stabilization Fund	-	79,167	
ARPA Grant	-	-	
Balance Available for Debt Service per Section 6.12	4,075,602	4,403,072	
Debt Service			
Principal	896,667	896,667	
Interest	2,356,839	2,356,839	
Total	3,253,505	3,253,505	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.25	1.35	
Debt Service Coverage (1.30X) (PUC)	1.25	1.35	

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

SCHEDULE C

	Month to Date		Variance Increase / (Decrease)
	Actual (Unaudited) June-24	Actual (Audited) June-23	
OPERATING REVENUES			
Water Revenues	6,657,410	5,342,256	1,315,154
Wastewater Revenues	4,144,478	2,764,484	1,379,995
Legislative Surcharge	356,348	241,799	114,549
Other Revenues	41,308	27,767	13,542
System Development Charge	43,875	20,220	23,655
Total Operating Revenues	11,243,420	8,396,526	2,846,895
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	1,783,345	669,901	1,113,444
Power Purchases	1,842,623	1,087,363	755,260
Total Utility Costs	<u>3,625,968</u>	<u>1,757,265</u>	<u>1,868,704</u>
Salaries and Wages	1,691,873	1,910,379	(218,505)
Pension and Benefits	670,688	638,252	32,436
Total Salaries and Benefits	<u>2,362,561</u>	<u>2,548,631</u>	<u>(186,070)</u>
Capitalized Labor and Benefits	(275,033)	(162,394)	(112,639)
Net Salaries and Benefits	<u>2,087,528</u>	<u>2,386,237</u>	<u>(298,709)</u>
Administrative and General Expenses			
Sludge removal	86,527	35,164	51,363
Chemicals	91,030	207,986	(116,956)
Materials & Supplies	136,120	310,760	(174,641)
Transportation	61,963	77,324	(15,361)
Communications	8,536	6,276	2,260
Claims	50,549	1,329	49,220
Insurance	159,900	147,927	11,974
Training & Travel	35,473	23,904	11,568
Advertising	775	20,628	(19,853)
Miscellaneous	130,940	152,301	(21,361)
Regulatory Expense	8,717	10,700	(1,984)
Bad Debts Provision	92,614	171,171	(78,557)
Total Administrative and General Expense	<u>863,143</u>	<u>1,165,469</u>	<u>(302,326)</u>
Depreciation Expense	<u>2,389,716</u>	<u>2,409,865</u>	<u>(20,149)</u>
Contractual Expense			
Audit & Computer Maintenance	172,183	100,977	71,206
Building rental	48,905	44,343	4,563
Equipment rental	35,037	40,762	(5,725)
Legal	-	62,072	(62,072)
Laboratory	65,423	14,989	50,434
Other	125,973	103,468	22,505
Total Contractual Expense	<u>447,521</u>	<u>366,611</u>	<u>80,910</u>
Retiree Supp. Annuities and health care costs	295,248	267,912	27,336
Contribution to Government of Guam	58,458	56,100	2,358
Total Retiree Benefits	<u>353,706</u>	<u>324,012</u>	<u>29,694</u>
Total Operating Expenses	<u>9,767,584</u>	<u>8,409,459</u>	<u>1,358,125</u>
Earnings (Loss) from Operations	<u>1,475,836</u>	<u>(12,933)</u>	<u>1,488,770</u>
Interest Income - 2010/13/14/16/17/20 Series Bond	723,348	1,031,781	(308,433)
Interest Income - Other Funds	195,467	162,849	32,618
Interest Income - SDC	11,093	14,430	(3,337)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,356,839)	(2,400,140)	43,301
Interest Expense - Leases and Subscription IT	-	-	-
Contributions from Local Government	-	1,750,000	(1,750,000)
Loss on Asset Disposal	(112,467)	-	(112,467)
Amortization of Discount, Premium and Issuance Costs	156,349	124,228	32,121
Defeasance due to bond refunding	(168,795)	(170,449)	1,654
Prior Year Adjustment	(1,180)	6,000	(7,180)
Total non-operating revenues (expenses)	<u>(1,553,025)</u>	<u>518,700</u>	<u>(2,071,724)</u>
Net Income (Loss) before capital contributions	<u>(77,188)</u>	<u>505,766</u>	<u>(582,955)</u>
Capital Contributions			
Grants from US Government	175,616	619,172	(443,556)
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	<u>175,616</u>	<u>619,172</u>	<u>(443,556)</u>
Change in Net Assets	<u>98,428</u>	<u>1,124,938</u>	<u>(1,026,510)</u>
Debt Service Calculation			
Earnings From Operations	1,475,836	(12,933)	
System Development Charge	(43,875)	(20,220)	
Retiree COLA	58,458	56,100	
Interest/Investment Income	195,467	162,849	
Depreciation	2,389,716	2,409,865	
Plus withdrawals (deposits) to Rate Stabilization Fund	-	-	
ARPA Grant	-	1,750,000	
Balance Available for Debt Service per Section 6.12	<u>4,075,602</u>	<u>4,345,660</u>	
Debt Service			
Principal	896,667	852,917	
Interest	2,356,839	2,400,140	
Total	<u>3,253,505</u>	<u>3,253,056</u>	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	<u>1.25</u>	<u>1.34</u>	
Debt Service Coverage (1.30X) (PUC)	<u>1.25</u>	<u>1.34</u>	

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

SCHEDULE D

	Year to Date		Variance Favorable / (Unfavorable)
	Actual (Unaudited) June-24	Budget June-24	
OPERATING REVENUES			
Water Revenues	59,700,052	60,359,711	(659,659)
Wastewater Revenues	33,337,143	32,873,084	464,059
Legislative Surcharge	3,052,547	2,951,506	101,041
Other Revenues	365,562	355,725	9,837
System Development Charge	1,392,285	918,000	474,285
Total Operating Revenues	97,847,589	97,458,026	389,563
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	10,296,662	4,425,000	
Power Purchases	16,073,626	17,416,176	1,342,550
Total Utility Costs	26,370,288	21,841,176	(4,529,112)
Salaries and Wages	14,813,528	16,430,044	1,616,516
Pension and Benefits	6,109,577	5,848,891	(260,686)
Total Salaries and Benefits	20,923,106	22,278,935	1,355,830
Capitalized Labor and Benefits	(2,270,178)	(3,119,355)	(849,177)
Net Salaries and Benefits	18,652,928	19,159,580	506,652
Administrative and General Expenses			
Sludge removal	842,073	251,937	
Chemicals	1,063,952	1,439,499	375,547
Materials & Supplies	918,813	1,863,745	944,932
Transportation	384,142	581,220	197,078
Communications	80,372	119,408	39,037
Claims	50,549	134,250	83,701
Insurance	1,350,733	1,452,000	101,267
Training & Travel	164,387	150,865	(13,522)
Advertising	18,809	100,789	81,980
Miscellaneous	1,137,523	1,007,930	
Regulatory Expense	173,494	164,250	(9,244)
Bad Debts Provision	254,450	1,696,677	1,442,226
Total Administrative and General Expense	6,439,295	8,962,570	2,523,275
Depreciation Expense	21,404,049	21,612,807	208,758
Contractual Expense			
Audit & Computer Maintenance	1,310,572	1,491,943	181,370
Building rental	439,033	452,374	13,340
Equipment rental	250,383	420,968	170,585
Legal	176,904	1,125,000	948,096
Laboratory	586,043	394,463	(191,580)
Other	957,644	1,713,624	755,980
Total Contractual Expense	3,720,579	5,598,371	1,877,792
Retiree Supp. Annuities and health care costs	2,417,048	2,269,434	(147,615)
Contribution to Government of Guam	526,125	547,279	21,154
Total Retiree Benefits	2,943,173	2,816,713	(126,460)
Total Operating Expenses	79,530,312	79,991,217	460,905
Earnings (Loss) from Operations	18,317,276	17,466,809	850,468
Interest Income - 2010/13/14/16/17/20 Series Bond	8,095,520	5,823,037	2,272,483
Interest Income - Other Funds	1,800,698	206,250	1,594,448
Interest Income - SDC	161,172	7,857	153,315
Interest Expense - 2010/13/14/16/17/20 Series Bond	(21,211,549)	(21,211,549)	-
Contributions from Local Government	-	-	-
Federal Expenditures	-	-	-
Loss on Asset Disposal	(351,964)	(508,490)	156,525
Amortization of Discount, Premium and Issuance Costs	(49,143)	1,118,053	(1,167,195)
Defeasance due to bond refunding	1,518,560	(1,534,044)	3,052,603
Prior Year Adjustment	(38,926)	(65,062)	26,136
Total non-operating revenues (expenses)	(10,075,633)	(16,163,948)	6,088,315
Net Income (Loss) before capital contributions	8,241,644	1,302,861	6,938,783
Capital Contributions			
Grants from US Government	1,823,677	15,177,929	(13,354,252)
Grants from GovGuam & Others	143,029	80,434	62,595
Total Capital Contributions	1,966,707	15,258,364	(13,291,657)
Change in Net Assets	10,208,350	16,561,224	(6,352,874)
Debt Service Calculation			
Earnings From Operations	18,317,276	17,466,809	
System Development Charge	(1,392,285)	(918,000)	
Retiree COLA	526,125	547,279	
Interest/Investment Income	1,800,698	206,250	
Depreciation	21,404,049	21,612,807	
Plus withdrawals (deposits) to Rate Stabilization Fund	-	712,500	
ARPA Grant	-	-	
Balance Available for Debt Service per Section 6.12	40,655,863	39,627,645	
Debt Service			
Principal	8,070,000	8,070,000	
Interest	21,211,549	21,211,549	
Total	29,281,549	29,281,549	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.39	1.35	
Debt Service Coverage (1.30X) (PUC)	1.39	1.35	

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

SCHEDULE E

	Year to Date		Variance Increase / (Decrease)
	Actual (Unaudited) June-24	Actual (Audited) June-23	
OPERATING REVENUES			
Water Revenues	59,700,052	50,151,190	9,548,861
Wastewater Revenues	33,337,143	27,541,874	5,795,269
Legislative Surcharge	3,052,547	2,331,121	721,427
Other Revenues	365,562	404,972	(39,410)
System Development Charge	1,392,285	1,123,675	268,610
Total Operating Revenues	97,847,589	81,552,831	16,294,758
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	10,296,662	5,256,801	5,039,861
Power Purchases	16,073,626	18,979,031	(2,905,404)
Total Utility Costs	26,370,288	24,235,832	2,134,457
Salaries and Wages	14,813,528	14,808,312	5,216
Pension and Benefits	6,109,577	5,669,649	439,929
Total Salaries and Benefits	20,923,106	20,477,961	445,145
Capitalized Labor and Benefits	(2,270,178)	(2,107,221)	(162,957)
Net Salaries and Benefits	18,652,928	18,370,740	282,188
Administrative and General Expenses			
Sludge removal	842,073	453,642	388,430
Chemicals	1,063,952	1,176,503	(112,552)
Materials & Supplies	918,813	1,230,338	(311,525)
Transportation	384,142	430,267	(46,125)
Communications	80,372	85,128	(4,756)
Claims	50,549	32,722	17,827
Insurance	1,350,733	1,331,341	19,391
Training & Travel	164,387	82,570	81,817
Advertising	18,809	60,401	(41,592)
Miscellaneous	1,137,523	936,278	201,245
Regulatory Expense	173,494	138,521	34,973
Bad Debts Provision	254,450	1,600,484	(1,346,033)
Total Administrative and General Expense	6,439,295	7,558,195	(1,118,899)
Depreciation Expense	21,404,049	21,509,504	(105,456)
Contractual Expense			
Audit & Computer Maintenance	1,310,572	1,430,638	(120,066)
Building rental	439,033	429,745	9,288
Equipment rental	250,383	360,296	(109,913)
Legal	176,904	491,308	(314,404)
Laboratory	586,043	200,649	385,394
Other	957,644	1,135,110	(177,466)
Total Contractual Expense	3,720,579	4,047,745	(327,166)
Retiree Supp. Annuities and health care costs	2,417,048	2,168,898	248,150
Contribution to Government of Guam	526,125	504,900	21,225
Total Retiree Benefits	2,943,173	2,673,798	269,375
Total Operating Expenses	79,530,312	78,395,814	1,134,498
Earnings (Loss) from Operations	18,317,276	3,157,017	15,160,259
Interest Income - 2010/13/14/16/17/20 Series Bond	8,095,520	7,015,252	1,080,268
Interest Income - Other Funds	1,800,698	1,050,039	750,659
Interest Income - SDC	161,172	47,127	114,044
Interest Expense - 2010/13/14/16/17/20 Series Bond	(21,211,549)	(21,601,258)	389,709
Contributions from Local Government	-	11,550,000	(11,550,000)
Federal Expenditures	-	(25,000)	25,000
Loss on Asset Disposal	(351,964)	(284,212)	(67,753)
Amortization of Discount, Premium and Issuance Costs	(49,143)	1,118,053	(1,167,195)
Defeasance due to bond refunding	1,518,560	(1,534,044)	3,052,603
Prior Year Adjustment	(38,926)	(148,545)	109,619
Total non-operating revenues (expenses)	(10,075,633)	(2,812,588)	(7,263,045)
Net Income (Loss) before capital contributions	8,241,644	344,429	7,897,215
Capital Contributions			
Grants from US Government	1,823,677	10,780,303	(8,956,626)
Grants from GovGuam & Others	143,029	60,749	82,281
Total Capital Contributions	1,966,707	10,841,051	(8,874,345)
Change in Net Assets	10,208,350	11,185,480	(977,130)
Debt Service Calculation			
Earnings From Operations	18,317,276	3,157,017	
System Development Charge	(1,392,285)	(1,123,675)	
Retiree COLA	526,125	504,900	
Interest/Investment Income	1,800,698	1,050,039	
Depreciation	21,404,049	21,509,504	
Plus withdrawals (deposits) to Rate Stabilization Fund	-	2,550,000	
ARPA Grant	-	11,550,000	
Balance Available for Debt Service per Section 6.12	40,655,863	39,197,786	
Debt Service			
Principal	8,070,000	7,676,250	
Interest	21,211,549	21,601,258	
Total	29,281,549	29,277,508	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.39	1.34	
Debt Service Coverage (1.30X) (PUC)	1.39	1.34	

Guam Waterworks Authority Statement of Cash Flows FY2024	SCHEDULE F		
	Unaudited YTD Jun-24	Audited YTD Sep-23	Increase (Decrease)
Cash flows from operating activities:			
Cash received from trade and others	91,254,735	120,965,897	(29,711,162)
Cash payments to suppliers/contractors for goods and services	(32,472,181)	(46,755,481)	14,283,300
Cash payments to employees for services	(20,158,167)	(27,081,802)	6,923,635
Cash payments for retiree healthcare costs and other benefits	(2,943,173)	(3,560,495)	617,322
Net cash provided by operating activities	35,681,214	43,568,119	(7,886,905)
Cash flows from noncapital financing activities:			
Receipts from the Local Government operating grant	-	14,460,048	(14,460,048)
	-	14,460,048	(14,460,048)
Cash flows from capital and related financing activities:			
Contributed capital received (grants)	3,122,973	10,208,987	(7,086,014)
Acquisition of utility plant	(15,161,498)	(41,331,452)	26,169,954
Repayment of Long Term Debt	(6,433,642)	(10,235,000)	3,801,358
Interest expense	(13,366,833)	(28,801,678)	15,434,845
Legal proceeds	-	950,000	(950,000)
Net cash provided by (used in) capital and related financing activities	(31,839,000)	(69,209,143)	37,370,143
Cash flows from investing activities:			
Transfers from (to) restricted fund	(11,574,316)	11,077,261	(22,651,577)
Interest income received	10,057,389	11,604,779	(1,547,390)
Net cash provided by investing activities	(1,516,927)	22,682,040	(24,198,967)
Net increase (decrease) in cash	2,325,287	11,501,064	(9,175,777)
Unrestricted cash at beginning of the period	50,324,888	38,823,824	11,501,063
Unrestricted cash at end of period	52,650,175	50,324,888	2,325,287
Reconciliation of operating loss to net cash provided by operating activities:			
Operating Income (loss)	18,317,276	1,872,603	16,444,673
Adjustments to reconcile to net cash provided by operating activities:			
Depreciation expense	21,404,049	30,911,997	(9,507,948)
Bad debts (recovery)	254,450	421,467	(167,017)
Capitalized labor and benefits	(2,270,178)	(3,075,928)	805,750
Recovery of provision for inventory obsolescence	-	-	-
Non-cash pension and OPEB costs	-	1,335,785	(1,335,785)
Other Non-cash adjustments	-	(323,071)	323,071
(Increase) decrease in assets:			
Accounts receivable	(6,627,710)	4,519,295	(11,147,005)
Materials and supplies inventory	223,259	(623,993)	847,252
Prepaid expenses	195,396	526,069	(330,673)
Regulatory Assets	-	(377,969)	377,969
Increase (decrease) in liabilities:			
Accounts payable	(45,487)	(45,808)	321
Accrued payroll and employee benefits	764,939	136,972	627,967
Customer deposits	34,856	(6,345)	41,201
Other liabilities	3,430,362	8,297,045	(4,866,683)
Net cash provided by operating activities	35,681,214	43,568,119	(7,886,905)

GUAM WATERWORKS AUTHORITY
Restricted and Unrestricted Cash Summary
FY2024

SCHEDULE G

Description	Unaudited June 30, 2024	Audited September 30, 2023	Increase (Decrease)
UNRESTRICTED			
Change Fund	2,000	2,000	-
Petty Cash	3,930	3,930	-
BOG Deposit Accounts	26,452,810	26,112,801	340,009
BOG O & M Reserve	15,027,103	14,477,230	549,873
BOG CapEx Fund	10,214,332	8,778,927	1,435,405
BOG Rate Stabilization Fund	950,000	950,000	-
Sub-total Unrestricted	52,650,175	50,324,888	2,325,287
	-	-	(0)
RESTRICTED			
Bank Pacific	11,439	6,345	5,093
Bank of Hawaii	315,883	167,390	148,493
Community First FCU	1,042	2,538	(1,496)
First Hawaiian Bank	58,121	82,921	(24,800)
Bank Pacific Surcharge	476,641	6,863	469,778
Bank Pacific Escrow Deposit	958,768	958,711	57
BOG Customer Refunds	2,296,423	2,157,517	138,907
BOG Sewer Hookup Revolving Fund	2,163,379	2,079,769	83,610
BOG Operation and Maintenance Fund	3,083,482	3,083,482	-
BOG Revenue Trust	231,263	(137,922)	369,186
BOG Revenue Trust Fund	7,350,635	10,471,820	(3,121,185)
BOG Capital Improvement Revenue Fund	12,301,826	8,452,503	3,849,323
	29,248,902	27,331,937	1,916,964
BOG - SDC Deposit	935,993	1,125,796	(189,803)
BOG - SDC CDs	6,000,000	4,250,000	1,750,000
Total SDC	6,935,993	5,375,796	1,560,197
Total Restricted	36,184,894	32,707,733	3,477,161
	-	-	(0)
Reserve Funds			
BOG Series 2013 Construction Fund	3,240,377	3,459,448	(219,070)
BOG Series 2016 Construction Fund	23,183,165	27,091,177	(3,908,013)
BOG Series 2017 Refunding Construction Fund	3,664,781	3,648,718	16,063
BOG Series 2020A Construction Fund	111,042,353	111,457,380	(415,027)
BOG CIF-Construction Fund Transfers	4,888,962	4,710,065	178,897
BOG-2024AB COI Funds	152,434	-	152,434
	146,172,073	150,366,788	(4,194,715)
	-	-	(0)
BOG OMRRRF Fund	19,560,351	17,423,213	2,137,138
USB Series 2013 Debt Service Fund	364,716	1,494,615	(1,129,899)
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Reserve Fund	14,119,562	10,100,975	4,018,587
USB Series 2016 Debt Service Fund	2,971,413	2,061,782	909,631
USB Series 2016 Debt Service Reserve Fund	7,591,999	7,591,999	-
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	-
USB Series 2017 Debt Service Fund	3,903,022	2,015,191	1,887,831
USB Series 2020A Debt Service Fund	3,502,891	1,753,543	1,749,348
USB Series 2020A Debt Service Reserve Fund	6,659,700	6,659,700	-
USB Series 2020B Debt Service Reserve Fund	1,640,843	1,540,498	100,345
USB Series 2024A Debt Service Fund	1,985,073	-	1,985,073
USB Series 2024A Debt Service Fund	633,816	-	633,816
Total Investments	82,531,534	70,239,665	12,291,869
	-	-	-
Total Restricted and Unrestricted Cash	317,538,676	303,639,073	13,899,603

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

SCHEDULE H

Customer Name	A G I N G						Total
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	
Autonomous Agencies (Active)							
Guam Int'l Airport Authority	8	22,613	131	104	113	262,284	285,244
Guam Power Authority	25	32,998	5,218	-	-	-	38,216
Guam Housing & Urban Renewal Authority	10	7,855	3,815	-	-	-	11,670
Port Authority of Guam	6	2,608	-	-	-	-	2,608
Guam Solid Waste Authority	4	893	73	4	-	-	970
Guam Housing Corporation	1	49	-	-	-	-	49
Total Autonomous Agencies	54	67,016	9,237	108	113	262,284	338,758
Semi-Autonomous Agencies (Active)							
Guam Memorial Hospital Authority	3	47,356	45,792	45,922	48,009	111,850	298,929
University of Guam	48	110,465	34	4	-	-	110,503
Guam Community College	4	7,036	-	-	-	-	7,036
Guam Environmental Protection Agency	2	381	1	-	-	-	382
Total Semi-Autonomous Agencies	57	165,238	45,827	45,926	48,009	111,850	416,850
Line Agencies (Active)							
Department of Education	51	329,370	315,866	45,653	8,779	16,646	716,314
Department of Corrections	9	129,539	152,049	95,051	231	-	376,870
Department of Parks & Recreation	13	68,657	48,511	18,334	163	-	135,666
Department of Public Works	10	21,890	22,622	18,353	291	-	63,156
Department of Agriculture	7	5,491	5,634	2,678	2,014	108	15,926
Department of Public Health & Social Services	9	3,316	3,487	2,003	1,347	3,892	14,045
Department of Military Affairs/GUARNG	1	7,493	-	-	-	-	7,493
Guam Police Department	9	5,379	1,686	139	160	-	7,364
Guam Fire Department	11	4,168	330	-	-	-	4,498
Guam Veterans Affairs Office	2	844	1,119	1,054	849	221	4,088
Guam Homeland Security/Civil Defense	1	1,280	919	1,079	-	-	3,277
Department of Chamorro Affairs	7	2,134	-	-	-	-	2,134
Office of the Governor	2	1,437	0	-	-	-	1,437
Guam Public Library	6	1,106	284	8	-	-	1,398
Guam Visitors Bureau	2	765	-	-	-	-	765
Department of Youth Affairs	3	677	-	-	-	-	677
Department of Customs & Quarantine	1	528	-	-	-	-	528
Guam Energy Office	1	199	228	-	-	-	426
Department of Administration	1	140	65	27	-	-	232
Office of Technology	1	191	-	-	-	-	191
Department of Administration	3	88	-	-	-	-	88
Office of Civil Defense	1	32	-	-	-	-	32
Total Line Agencies	151	584,724	552,800	184,379	13,834	20,868	1,356,604
Other Government of Guam Entities (Active)							
Mayors Council of Guam	63	22,170	7,908	1,633	-	-	31,711
Superior Court of Guam	2	897	-	-	-	-	897
The Office of the Dededo Mayor	1	512	-	-	-	-	512
Judiciary of Guam	4	420	-	-	-	-	420
Merizo Mayor	1	56	-	-	-	-	56
Total Other Government of Guam Entities	71	24,055	7,908	1,633	-	-	33,597
Total as of June 30, 2024 (Active)	333	841,034	615,771	232,046	61,955	395,002	2,145,809

GWA Work Session - July 16, 2024 - GWA GM REPORT

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

SCHEDULE I

ACTIVE AND INACTIVE

Rate Class	A G I N G							%
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Government	446	\$ 1,346,870	\$ 1,848,468	\$ 3,263,956	\$ 68,857	\$ 1,282,204	\$ 7,810,354	28%
Agriculture	402	39,575	7,984	2,197	2,061	38,719	90,536	0%
Commercial I	2,701	1,497,091	186,499	117,010	44,648	542,713	2,387,961	9%
Commercial II	55	420,238	13,825	9,815	60,843	-	504,721	2%
Commercial III	292	657,374	160,182	42,489	60,645	344,786	1,265,475	5%
Golf Course	15	13,997	206	74	129	5,873	20,279	0%
Hotel	53	2,536,270	97,280	37,430	15,194	58,287	2,744,462	10%
Irrigation	30	3,365	622	401	40	1,306	5,734	0%
Residential	48,015	5,068,705	997,790	454,190	435,578	5,745,646	12,701,909	46%
	52,009	11,583,484	3,312,856	3,927,563	687,996	8,019,533	27,531,431	100%
		42%	12%	14%	2%	29%		
Less Allowance for Doubtful Accounts:							(9,582,684)	
Net Accounts Receivable:							17,948,747	
Days Receivables Outstanding							42	

As of May 31, 2024

Rate Class	A G I N G							%
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Government	444	\$ 2,299,442	\$ 3,803,782	\$ 294,120	\$ 154,021	\$ 911,111	\$ 7,462,477	29%
Agriculture	402	32,116	5,050	2,790	8,062	32,023	80,042	0%
Commercial I	2,698	1,526,317	219,327	107,636	37,961	536,190	2,427,431	9%
Commercial II	53	328,664	11,830	64,500	-	-	404,994	2%
Commercial III	290	694,181	55,725	69,554	59,017	336,160	1,214,636	5%
Golf Course	7,343	73,487	44,008	40,641	71,380	3,794,528	4,024,044	15%
Hotel	53	1,713,231	81,767	44,202	17,164	67,402	1,923,765	7%
Irrigation	32	3,045	1,347	393	11	640,522	645,317	2%
Residential	40,576	4,393,068	764,461	521,826	218,750	1,883,280	7,781,385	30%
	51,891	11,063,550	4,987,297	1,145,663	566,365	8,201,215	25,964,091	100%
		43%	19%	4%	2%	32%		
Less Allowance for Doubtful Accounts:							(9,582,684)	
Net Accounts Receivable:							16,381,407	
Days Receivables Outstanding							45	

ACTIVE ONLY

Rate Class	A G I N G							%
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Government	443	\$ 585,042	\$ 1,848,468	\$ 3,263,956	\$ 68,857	\$ 641,682	\$ 6,408,005	30%
Agriculture	380	39,534	7,965	2,111	1,895	3,945	55,450	0%
Commercial I	2,559	1,496,490	182,938	108,757	40,727	285,120	2,114,032	10%
Commercial II	37	420,238	13,825	9,815	60,843	-	504,721	2%
Commercial III	274	656,923	160,150	42,458	56,871	302,000	1,218,402	6%
Golf Course	12	13,997	-	-	-	-	13,997	0%
Hotel	53	2,536,270	97,280	37,430	15,194	58,287	2,744,462	13%
Irrigation	29	3,365	622	401	40	11	4,439	0%
Residential	40,216	5,012,607	931,670	378,815	384,031	1,593,688	8,300,811	39%
	44,003	10,764,466	3,242,917	3,843,743	628,458	2,884,732	21,364,318	100%
		50%	15%	18%	3%	14%		
Less Allowance for Doubtful Accounts:							(9,582,684)	
Net Accounts Receivable:							11,781,634	

Rate Class	A G I N G							%
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Government	443	\$ 2,299,442	\$ 3,803,782	\$ 294,120	\$ 154,021	\$ 909,221	\$ 7,460,587	36%
Agriculture	380	32,096	4,933	2,578	3,929	1,290	44,826	0%
Commercial I	2,555	1,522,195	210,952	103,560	31,775	281,332	2,149,814	10%
Commercial II	37	328,664	11,830	64,500	-	-	404,994	2%
Commercial III	274	694,179	55,681	69,554	57,031	294,619	1,171,064	6%
Golf Course	12	14,696	-	-	-	-	14,696	0%
Hotel	53	1,713,231	81,767	44,202	17,164	67,402	1,923,765	9%
Irrigation	30	3,045	1,347	393	11	-	4,795	0%
Residential	40,195	4,388,773	734,505	513,314	215,285	1,553,388	7,405,264	36%
	43,979	10,996,321	4,904,796	1,092,221	479,216	3,107,251	20,579,806	100%
		53%	24%	5%	2%	15%		
Less Allowance for Doubtful Accounts:							(9,582,684)	
Net Accounts Receivable:							10,997,122	

GUAM WATERWORKS AUTHORITY
Accounts Payable Aging

SCHEDULE J

As of	AGING						Total	Days Payable Outstanding
	Current	31 - 60 Days	61 - 90 Days	91 - 120 Days	> 120 Days			
June 30, 2024	\$ 3,660,813 85%	\$ 50,995 1%	\$ 62,384 1%	\$ 13,419 0%	\$ 496,585 12%	\$ 4,284,196 100%	32	
May 31, 2024	\$ 3,522,925 82%	\$ 217,950 5%	\$ 16,043 0%	\$ 43,084 1%	\$ 487,838 11%	\$ 4,287,840 100%	33	
April 30, 2024	\$ 3,125,861 76%	\$ 317,525 8%	\$ 153,581 4%	\$ 30,357 1%	\$ 494,726 12%	\$ 4,122,050 100%	38	

GWA Work Session - July 16, 2024 - GWA GM REPORT

GUAM WATERWORKS AUTHORITY
WATER DEMAND BY RATE CLASS
FY2015 - FY2024

SCHEDULE K

CLASS	AUDITED										% Inc / (Dec.)
	FY2015 TOTAL CONSUMPTION (kGal)	FY2016 TOTAL CONSUMPTION (kGal)	FY2017 TOTAL CONSUMPTION (kGal)	FY2018 TOTAL CONSUMPTION (kGal)	FY2019 TOTAL CONSUMPTION (kGal)	FY2020 TOTAL CONSUMPTION (kGal)	FY2021 TOTAL CONSUMPTION (kGal)	FY2022 CONSUMPTION (kGal)*	FY2023 TOTAL CONSUMPTION (kGal)	Annualized Based on 9 months FY2024 TOTAL CONSUMPTION (kGal)	
R Residential	3,415,662	3,429,689	3,206,811	3,313,613	3,359,905	3,712,723	3,622,617	3,450,574	3,185,230	3,112,737	-2%
C Commercial	1,020,089	1,022,890	964,639	910,905	906,192	822,029	786,054	818,460	816,393	847,926	4%
F Federal	1,168	1,180	2,508	1,813	1,602	1,338	2,069	1,389	1,099	1,381	26%
G Government	515,974	475,366	448,430	450,165	405,980	408,502	404,026	470,581	445,116	486,271	9%
H Hotel	999,116	1,008,087	1,004,525	989,723	1,079,919	714,161	448,034	462,757	554,767	623,175	12%
G Golf	6,850	6,770	5,252	2,741	2,793	5,835	2,855	3,796	6,415	874	-86%
A Agriculture	67,376	78,628	69,482	81,127	90,803	84,492	68,805	65,719	49,748	65,094	31%
I Irrigation	<u>10,385</u>	<u>11,351</u>	<u>10,143</u>	<u>8,504</u>	<u>7,896</u>	<u>8,654</u>	<u>5,404</u>	<u>4,888</u>	<u>3,242</u>	<u>3,620</u>	12%
GRAND TOTAL	<u>6,036,620</u>	<u>6,033,960</u>	<u>5,711,790</u>	<u>5,758,590</u>	<u>5,855,091</u>	<u>5,757,733</u>	<u>5,339,864</u>	<u>5,278,164</u>	<u>5,062,012</u>	<u>5,141,078</u>	2%

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

SCHEDULE L

Funding Summary

Total available project funds	\$ 19,083,555
Total project expenditures and encumbrances	12,445,814
Total unobligated project funds	\$ 6,637,742

Projects Funded

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

Future planned projects

FY 2024-2025

Water Distribution System Pipe Replacement & Upgrades	500,000
Capacity Enhancement - Well Development and Construction Progra	394,000
Well Repair Program	200,000
	\$ 1,094,000

GWA Work Session - July 16, 2024 - GWA GM REPORT

Guam Waterworks Authority		Date: 6/3/2024	 GUAM WATERWORKS AUTHORITY WATER DISTRIBUTION FACILITIES REPORT
		Time:	
REVIEWS			
TOTAL PUMPS INSTALLED	69	OVERALL AVERAGE	93%
TOTAL PUMPS OPERATIONAL	63	% OF OPERATING PUMPS	91%
TOTAL BOOSTER PUMP STATIONS	30		

Northern District													
NO.	FACILITY	PUMP HORSEPOWER	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	PUMP AND MOTOR INVENTORY
1	Yigo	20	3	2	67%	OP	A	Pump 2 offline, pending inspection of stage pump. 5-1-24 pending arrival repair kit for pump.	1438158				
2	Gayinero	20	2	2	100%	OP	A						
3	Mataguac	25	2	1	50%	OP	A						
4	Santa Rosa	15	2	2	100%	OP	A	Temporay BPS online. Main BPS under construction					
5	Barrigada 2M	40	2	2	100%	OP	A						
6	Barrigada Hieghts	30	6	6	100%	OP	A						
7	Chln. Palauan	5	2	2	100%	N/A	N/A						
8	Access	60	2	1	50%	OP	A	5-1-24 Motor repaired, pending installation	1434788				
9	Agana Hieghts	30	3	2	67%	OP	A	Motor refurbished, bearings replaced	101210				
10	Nimitz Hill	7.5	2	2	100%	N/A							
11	Adawag	1.5	2	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	Latta Heights	15	2	2	100%	OP	A						
15	Asan	1.5	2	2	100%	N/A	N/A						
	TOTAL = 15		35	30	86%								

pump availability =no of operational pumps/no of pumps*100%

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

GWA Work Session - July 16, 2024 - GWA GM REPORT

Guam Waterworks Authority		Date: 7/1/2024	 GUAM WATERWORKS AUTHORITY WATER DISTRIBUTION FACILITIES REPORT
		Time:	
REVIEWS			
TOTAL PUMPS INSTALLED	69	OVERALL AVERAGE	96%
TOTAL PUMPS OPERATIONAL	66	% OF OPERATING PUMPS	96%
TOTAL BOOSTER PUMP STATIONS	30		

Northern District													
NO:	FACILITY	PUMP HORSEPOWER	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	PUMP AND MOTOR INVENTORY
1	Yigo	20	3	3	100%	OP	A	Installed pump 2 6-21-24					
2	Gayinero	20	2	2	100%	OP	A						
3	Mataguac	25	2	1	50%	OP	A						
4	Santa Rosa	15	2	2	100%	OP	A	Temporay BPS online. Main BPS under construction					
5	Barrigada 2M	40	2	2	100%	OP	A						
6	Barrigada Hieghts	30	6	6	100%	OP	A						
7	Chln. Palauan	5	2	2	100%	N/A	N/A						
8	Access	60	2	2	100%	OP	A	Pump installed. 6-15-24					
9	Agana Hieghts	30	3	3	100%	OP	A	6/13/2024	101210				
10	Nimitz Hill	7.5	2	2	100%	N/A							
11	Adawaq	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	Latta Heights	15	2	2	100%	OP	A						
15	Asan	1.5	2	2	100%	N/A	N/A						
	TOTAL = 15		35	33	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	Maloloj 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	Maloloj 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
6/3/2024

EQUIPMENT STATUS					SUMMARY						
Description	Number of Equipment	Number of Equipment Available	Number of Equipment Not Available	Percentage	Operational	Operational w/Rprs Pending	Not in Operation-Accident (Docs Pending)	Not in Operation-Assessment Pending	Not in Operation-Repairs Pending	Not in Operation-Vendor Repairs	Recommend Survey
Backhoe (Leased)	3	3	0	100%	3	0	0	0	0	0	0
Dump Truck (Leased)	3	3	0	100%	3	0	0	0	0	0	0
Trailer (Leased)	3	3	0	100%	3	0	0	0	0	0	0
Backhoe	2	2	0	100%	1	1	0	0	0	0	0
Boom Truck	0	0	0	#DIV/0!	0	0	0	0	0	0	0
Crane	1	1	0	100%	1	0	0	0	0	0	0
Dump Truck	1	0	1	0%	0	0	0	0	1	0	0
Forklift	6	6	0	100%	6	0	0	0	0	0	0
Fuel Tanker	1	0	1	0%	0	0	0	0	0	0	1
Heavy Duty	13	10	3	77%	9	1	0	0	0	2	1
Hoist Rig	1	1	0	100%	1	0	0	0	0	0	0
Jetter	1	0	1	0%	0	0	0	0	0	1	0
Light	137	113	24	82%	109	4	2	13	3	5	1
Mini Backhoe	2	0	2	0%	0	0	0	0	2	0	0
Pumper Truck	1	0	1	0%	0	0	0	0	0	1	0
Skidster	1	1	0	100%	1	0	0	0	0	0	0
Sludge Truck	3	1	2	33%	1	0	0	0	2	0	0
Tractor	2	1	1	50%	0	1	0	1	0	0	0
Tractor Mower	1	1	0	100%	0	1	0	0	0	0	0
Trailer	17	11	6	65%	11	0	0	2	3	1	0
Trencher	1	0	1	0%	0	0	0	0	1	0	0
Vacuum Truck	6	4	2	67%	3	1	0	2	0	0	0
Water Buffalo	2	0	2	0%	0	0	0	2	0	0	0
Water Tanker	6	2	4	33%	2	0	0	4	0	0	0
Compressor	1	1	0	100%	1	0	0	0	0	0	0
Total	215	164	51		155	9	2	24	12	10	3



Guam Waterworks Authority
VEHICLE FLEET STATUS
7/8/2024

EQUIPMENT STATUS				
Description	Number of Equipment	Number of Equipment Available	Number of Equipment Not Available	Percentage
Backhoe (Leased)	3	3	0	100%
Dump Truck (Leased)	3	3	0	100%
Trailer (Leased)	3	3	0	100%
Backhoe	2	2	0	100%
Boom Truck	0	0	0	#DIV/0!
Crane	1	1	0	100%
Dump Truck	1	0	1	0%
Forklift	6	6	0	100%
Fuel Tanker	1	0	1	0%
Heavy Duty	13	9	4	69%
Hoist Rig	1	1	0	100%
Jetter	1	0	1	0%
Light	139	110	29	79%
Mini Backhoe	2	0	2	0%
Pumper Truck	1	0	1	0%
Skidster	1	1	0	100%
Sludge Truck	3	1	2	33%
Tractor	2	1	1	50%
Tractor Mower	1	1	0	100%
Trailer	17	11	6	65%
Trencher	1	0	1	0%
Vacuum Truck	6	3	3	50%
Water Buffalo	2	0	2	0%
Water Tanker	6	2	4	33%
Compressor	1	1	0	100%
Total	217	159	58	

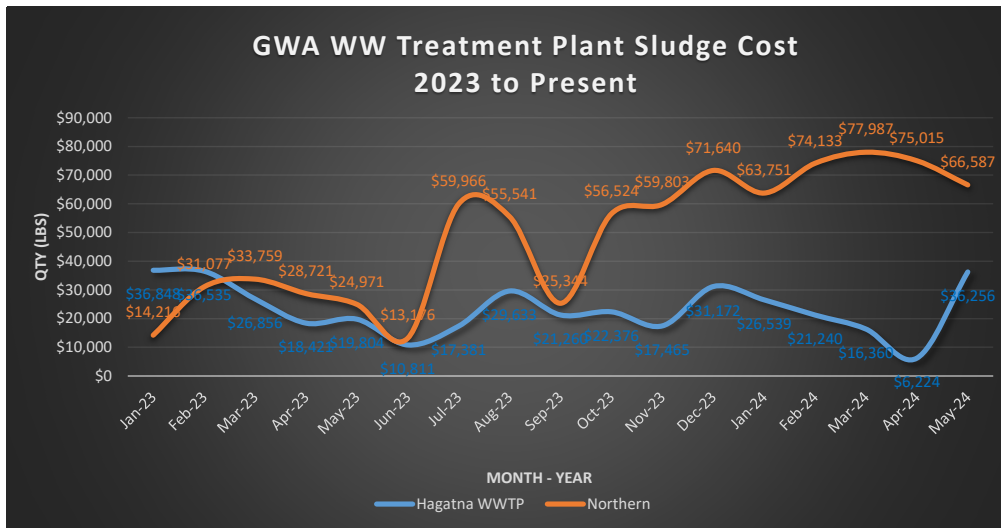
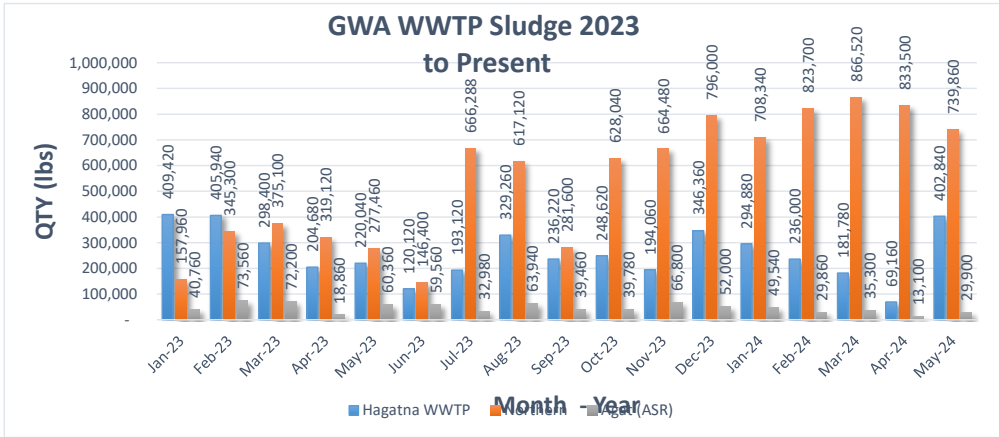
SUMMARY						
Operational	Operational w/Rprs Pending	Not in Operation-Accident (Docs Pending)	Not in Operation-Assessment Pending	Not in Operation-Repairs Pending	Not in Operation-Vendor Repairs	Recommend Survey
3	0	0	0	0	0	0
3	0	0	0	0	0	0
3	0	0	0	0	0	0
1	1	0	0	0	0	0
0	0	0	0	0	0	0
1	0	0	0	0	0	0
0	0	0	0	1	0	0
6	0	0	0	0	0	0
0	0	0	0	0	0	1
8	1	0	1	0	2	1
1	0	0	0	0	0	0
0	0	0	0	0	1	0
108	2	2	13	8	4	2
0	0	0	0	2	0	0
0	0	0	0	0	1	0
1	0	0	0	0	0	0
1	0	0	0	2	0	0
0	1	0	1	0	0	0
0	1	0	0	0	0	0
11	0	0	2	3	1	0
0	0	0	0	1	0	0
2	1	0	2	1	0	0
0	0	0	2	0	0	0
2	0	0	4	0	0	0
1	0	0	0	0	0	0
152	7	2	25	18	9	4

GWA Work Session - July 16, 2024 - GWA GM REPORT

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

2024	Hagatna WWTP		Northern		Agat (ASR)		Hagatna + Northern + Agat	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
Month- Yr	lbs	\$	lbs	\$	lbs	\$	lbs	\$
Jan-24	294,880	\$26,539	708,340	\$63,751	49,540	\$4,459	1,052,760	\$94,748
Feb-24	236,000	\$21,240	823,700	\$74,133	29,860	\$2,687	1,089,560	\$98,060
Mar-24	181,780	\$16,360	866,520	\$77,987	35,300	\$3,177	1,083,600	\$97,524
Apr-24	69,160	\$6,224	833,500	\$75,015	13,100	\$1,179	915,760	\$82,418
May-24	402,840	\$36,256	739,860	\$66,587	29,900	\$2,691	1,172,600	\$105,534
Jun-24		\$0		\$0		\$0	-	\$0
Jul-24		\$0		\$0		\$0	-	\$0
Aug-24		\$0		\$0		\$0	-	\$0
Sep-24		\$0		\$0		\$0	-	\$0
Oct-24		\$0		\$0		\$0	-	\$0
Nov-24		\$0		\$0		\$0	-	\$0
Dec-24		\$0		\$0		\$0	-	\$0
Grand Total	1,184,660	\$106,619	3,971,920	\$357,473	157,700	\$14,193	5,314,280	\$478,285

Hagatna and Northern WWTP Sludge Report 2023 to present, GWA Operations kcg / da, 6/3/2024

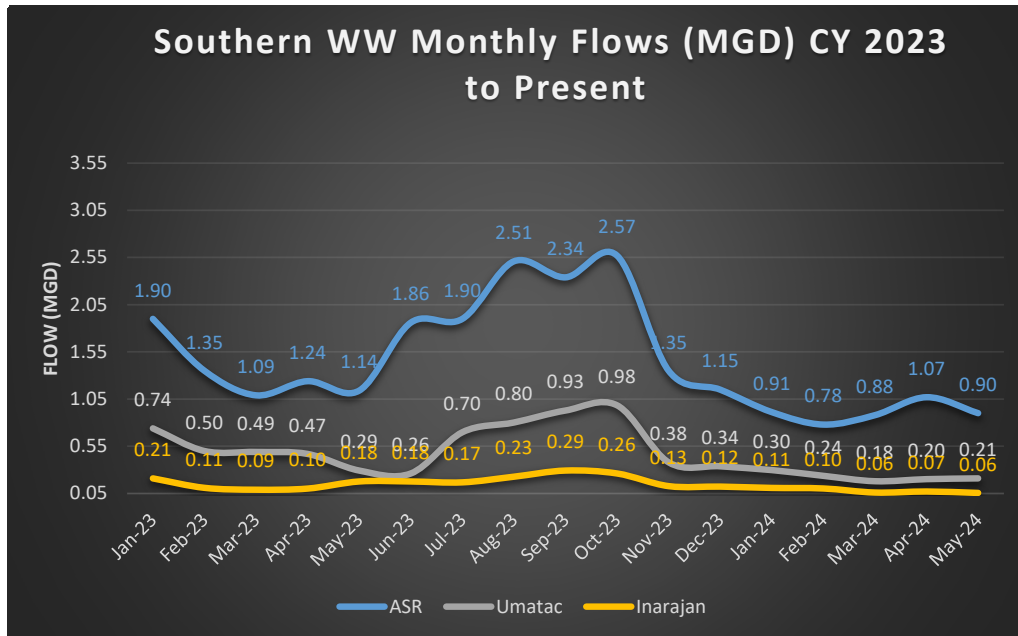
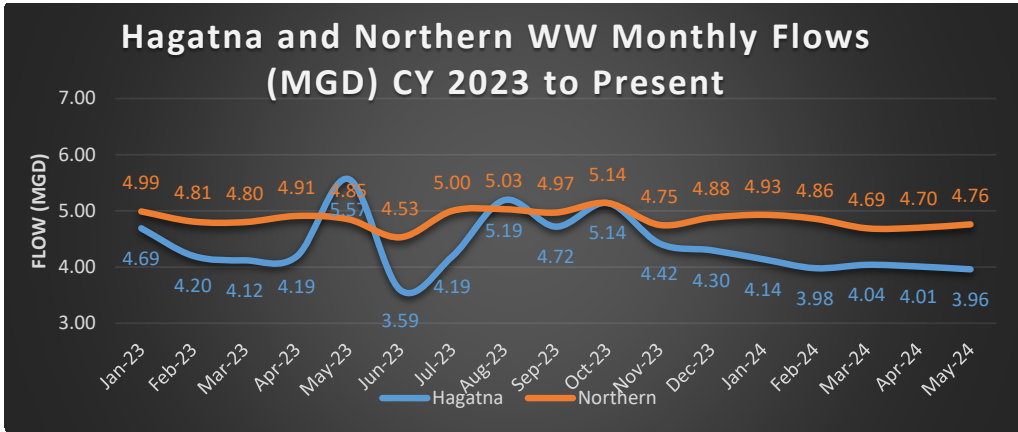


Hagatna and Northern WWTP Sludge Report 2023 to present, GWA Operations kcog / da, 6/3/2024

Wastewater Treatment Plant Average Monthly Flows Million Gallons Per Day

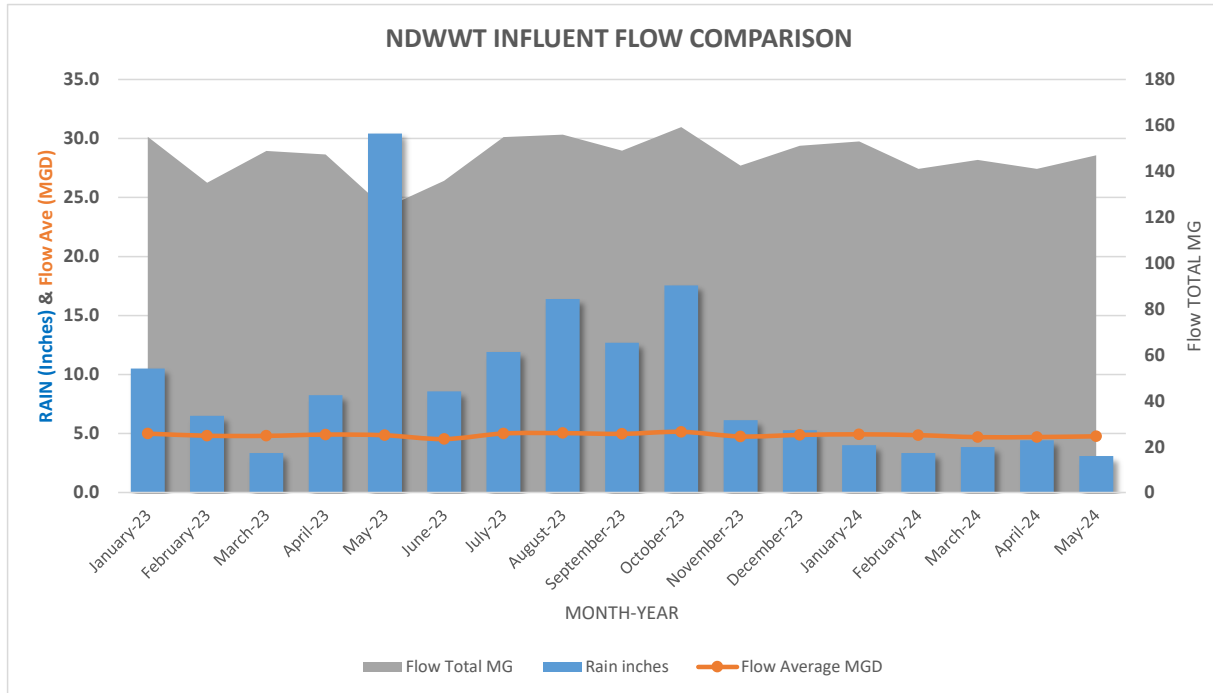
2023	Hagatna	Northern	ASR	Umatac	Inarajan
Jan-23	4.69	4.99	1.90	0.74	0.21
Feb-23	4.20	4.81	1.35	0.50	0.11
Mar-23	4.12	4.80	1.09	0.49	0.09
Apr-23	4.19	4.91	1.24	0.47	0.10
May-23	5.57	4.85	1.14	0.29	0.18
Jun-23	3.59	4.53	1.86	0.26	0.18
Jul-23	4.19	5.00	1.90	0.70	0.17
Aug-23	5.19	5.03	2.51	0.80	0.23
Sep-23	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					
Jul-24					
Aug-24					
Sep-24					
Oct-24					
Nov-24					
Dec-24					
2024 Average MGD	4.03	4.79	0.91	0.23	0.08
2024 Total MGY	608	723	137	34	12



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			
July-24			
August-24			
September-24			
October-24			
November-24			
December-24			

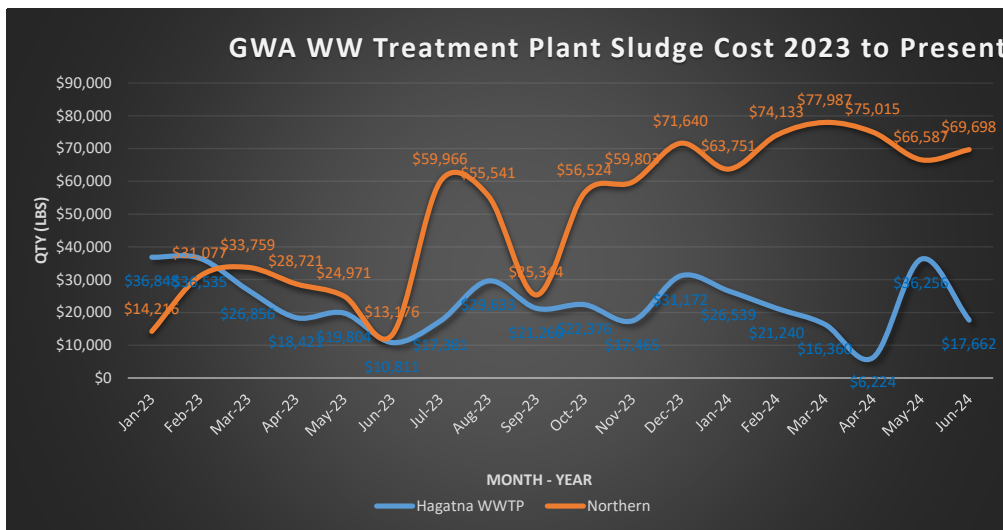
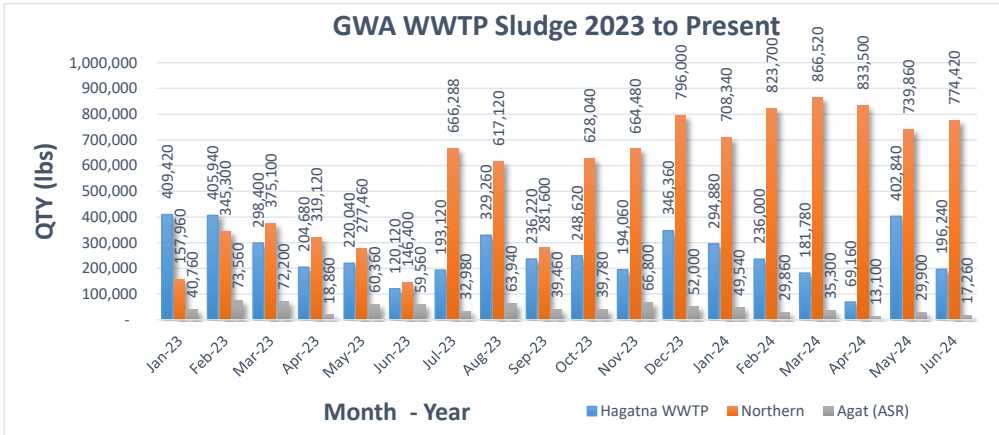


GWA Work Session - July 16, 2024 - GWA GM REPORT

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

2024	Hagatna WWTP		Northern		Agat (ASR)		Hagatna + Northern + Agat	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	lbs	\$	lbs	\$	lbs	\$	lbs	\$
Jan-24	294,880	\$26,539	708,340	\$63,751	49,540	\$4,459	1,052,760	\$94,748
Feb-24	236,000	\$21,240	823,700	\$74,133	29,860	\$2,687	1,089,560	\$98,060
Mar-24	181,780	\$16,360	866,520	\$77,987	35,300	\$3,177	1,083,600	\$97,524
Apr-24	69,160	\$6,224	833,500	\$75,015	13,100	\$1,179	915,760	\$82,418
May-24	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		\$0		\$0		\$0	-	\$0
Aug-24		\$0		\$0		\$0	-	\$0
Sep-24		\$0		\$0		\$0	-	\$0
Oct-24		\$0		\$0		\$0	-	\$0
Nov-24		\$0		\$0		\$0	-	\$0
Dec-24		\$0		\$0		\$0	-	\$0
Grand Total	1,380,900	\$124,281	4,746,340	\$427,171	174,960	\$15,746	6,302,200	\$567,198

Hagatna and Northern WWTP Sludge Report 2021 to present, GWA Operations kcog / df, 7/8/2024

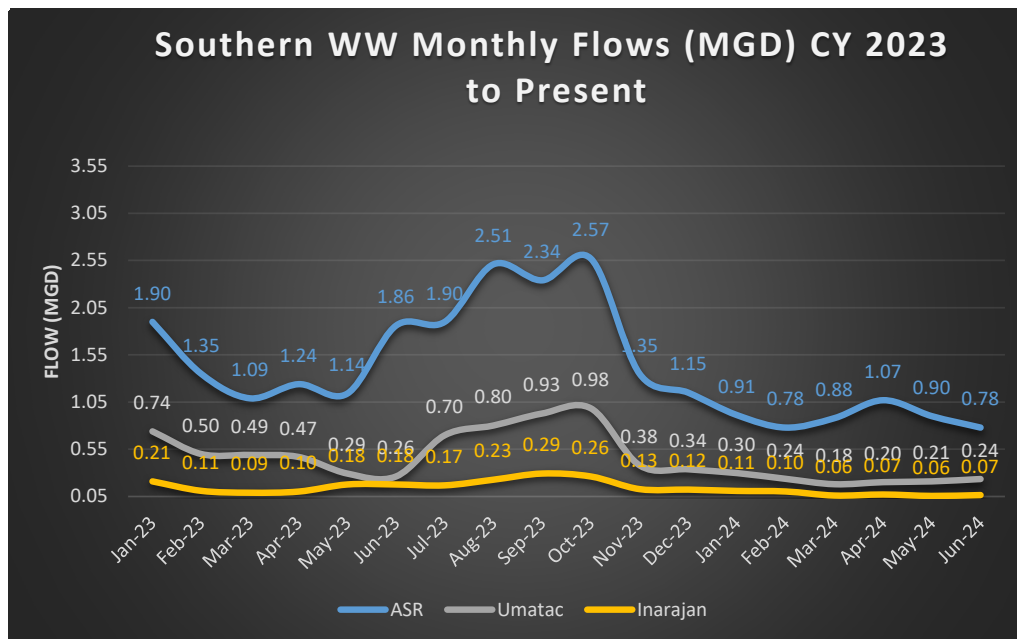
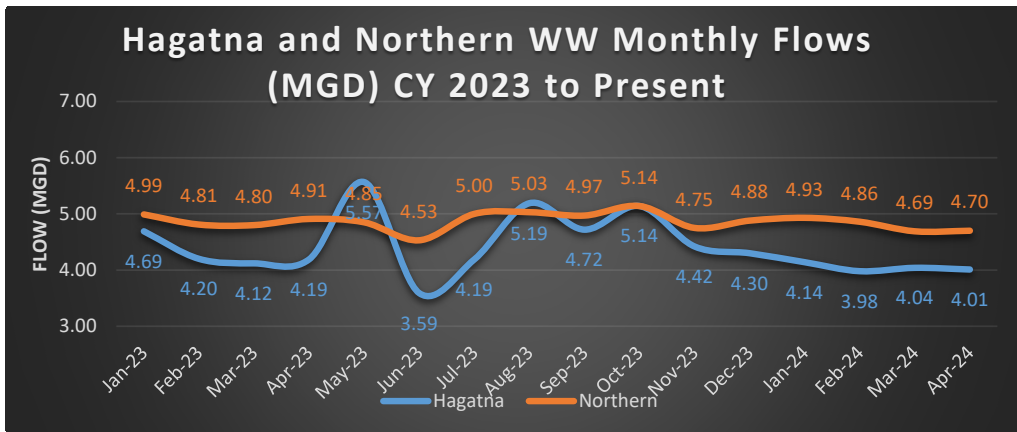


Hagatna and Northern WWTP Sludge Report 2021 to present, GWA Operations kcog / df, 7/8/2024

Wastewater Treatment Plant Average Monthly Flows Million Gallons Per Day

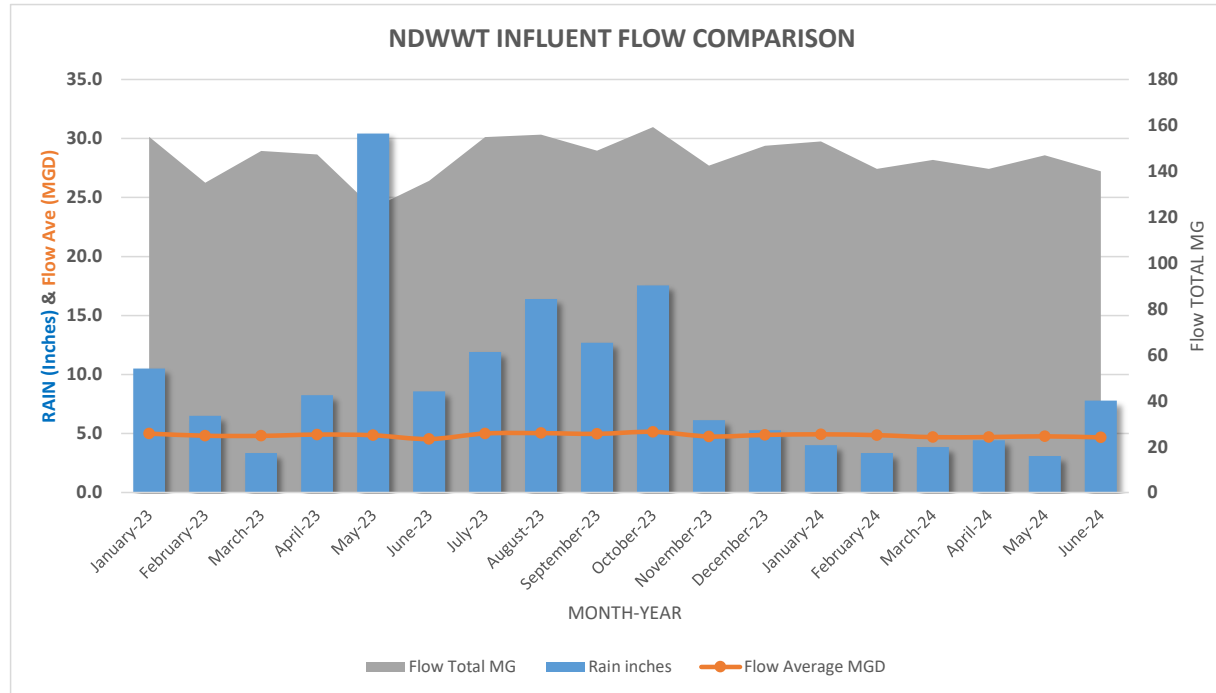
2023	Hagatna	Northern	ASR	Umatac	Inarajan
Jan-23	4.69	4.99	1.90	0.74	0.21
Feb-23	4.20	4.81	1.35	0.50	0.11
Mar-23	4.12	4.80	1.09	0.49	0.09
Apr-23	4.19	4.91	1.24	0.47	0.10
May-23	5.57	4.85	1.14	0.29	0.18
Jun-23	3.59	4.53	1.86	0.26	0.18
Jul-23	4.19	5.00	1.90	0.70	0.17
Aug-23	5.19	5.03	2.51	0.80	0.23
Sep-23	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					
Aug-24					
Sep-24					
Oct-24					
Nov-24					
Dec-24					
2024 Average MGD	4.03	4.77	0.89	0.23	0.08
2024 Total MGY	730	863	161	41	14




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			
August-24			
September-24			
October-24			
November-24			
December-24			



GWA Work Session - July 16, 2024 - GWA GM REPORT

Guam Waterworks Authority		Date: 6/12/2024		 WASTEWATER FACILITIES REPORT									
REVIEWS				OVERALL AVERAGE		83%							
TOTAL PUMPS INSTALLED		186		%		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	3	75%	GPA	A	Pump #1 was secured due to seal failure. Pump was removed and delivered to JMI for repairs. Pump #4 is on standby and will be used for emergencies as per plan	WO # 1430285				
2	FUJITA	1	4	2	50%	GPA	A	Pump #2 was removed 11/3/22 due to seal failure. Using impeller from #2 on #4. 6/12/23, Pump #3 was connected to VFD #4 due to Pump #4 has a bearing issue, pump delivered to vendor 9/12 for repairs.	P#2 WO 1323701 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				OR 55164 (pending PO)
5	HARMON	2	2	2	100%	GPA	A						
6	ROUTE 16	1	4	2	50%	GPA	M	2/3/24, P#1 was secured due to seal failure. Pump was delivered to vendor for repairs. P#3 secured 9/15/22 due to damaged volute and defective check valve. #4 back online using new softstarter.	P#1 WO 1424040 P#3 WO #1332734	VFD #3 needs to be relaced. (PIT are working on new replacement) Calvin will be working on write up for new pumps, valves, and pedestals for #3 & #4.			P#1 PO 503136 Volute OR 54968 (pending PO)
7	LATTE DOUBLE TROUBLE	1	2	2	100%	GPA	A						
8	LATTE SUN RISE	2	2	1	50%	GPA	A	7/31/23, Pump #1 was removed due to seal failure.	WO #1384262				OR 54657 (pending PO)
9	LATTE SUBMARINE	2	2	2	100%	GPA	A						
10	LATTE PLANTATION	2	2	2	100%	GPA	A						
11	PGD	2	2	2	100%	GPA	A						
12	MACHECHE	2	2	2	100%	GPA	A						
13	HAFADA	2	2	1	50%	GPA	A	Pump #2 was removed due to motor was grounded.	WO# 1417247				OR 55163 (pending PO)
14	YPAO PAO	1	3	2	67%	GPA	N/A	7/5/23 Pump #1 shorted as per electricians.	WO #1376323				P#1 ORS4701 (pending PO)
15	PACIFIC LATTE	2	2	2	100%	GPA	A						
16	YIGO	1	3	2	67%	GPA	A	#3 was secured due to thermal fault. Pending maintenance to inspect coolant level.	WO #1452574				
17	ZERO DOWN	2	2	1	50%	GPA	A	Pump #1 was secured due to motor was grounded. Pending pump removal.	WO #1431068				OR 55417 (pending PO)
18	SANTA ANA	2	2	2	100%	GPA	A						
19	MACHANAONAO	1	2	2	100%	GPA	A						
20	FEMA 96	2	2	2	100%	GPA	A						
21	ASTUMBO 1	2	2	2	100%	GPA	A	7/30/23, Electrician found pump #1 open windings.	P#1 WO #1383026				P#1 OR 54658 (pending PO)
22	ASTUMBO 2	2	2	1	50%	GPA	A	7/31/23, pump 1 was removed and installed at Astumbo #1 due to pump failure.					
Total	22		52	40	77%								

GWA Work Session - July 16, 2024 - GWA GM REPORT

Central District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/ AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	CABRAS ISLAND	1	2	2	100%	Portable	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 repiping lines for a new installation.	WO #1266707				Working with Engineering for station upgrades (CIP write up with procurement for review.)
7	ORDOT	2	2	2	100%	OP	A						
8	DERO	1	2	2	100%	OP	A						
9	CHALAN PAGO #5	2	2	1	50%	OP	A	6/3/23, Pump #1 was removed due to grounded motor. Pump was delivered to vendor for repairs 8/31	WO #1370938				PO 502639
10	CHALAN PAGO #3	2	2	2	100%	OP	A						
11	FLORA GARDENS	2	2	2	100%	INOP	A						
12	DOUBLE SHAFT	1	3	3	100%	OP	A						
13	NAMU	2	1	1	100%	OP	A	Found motor defective. Motor was removed and new motor from Maite PS was installed. Motor was sent to vendor for repairs.	WO #1436402				PO 503203
14	TAI MANGILAO	1	3	2	67%	GPA	A	Pump #1 was removed and brought to maintenance 5/12/22 due to mechanical seal issue. Pump was delivered to vendor. Pending parts.	WO #1285248				PO 501491 repairs have been on hold due to prioritizing other stations.
15	MANGILAO	1	2	2	100%	GPA	A						
16	FIDIAN	2	2	2	100%	GPA	A						
17	LEYANG	2	2	2	100%	OP	A						
18	SAGAN BONITA 1	2	2	2	100%	OP	A						
19	SAGAN BONITA 2	2	2	1	50%	OP	A	Electricians tested Pump #1 and found pump to be grounded.	WO # 1398315				OR 54742 (pending PO)
20	DAIRY	1	2	1	50%	INOP	A	Pump #2 was removed due to motor was grounded.	WO #1427553				OR 55413 (pending PO)
21	BARRIGADA	1	2	2	100%	GPA	A						
22	TOTO GARDENS	2	2	2	100%	INOP	A						
23	MONGMONG	2	2	2	100%	OP	A						
24	CASIMERU	2	2	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						
27	ALUPANG	1	2	2	100%	OP	A						
28	MAMAJANAO	1	3	2	67%	OP	A	Pump #2 was installed. While in operation, key slot for impeller rounded off. Need to make repairs.	WO # 1431182				
29	AGANA MAIN	1	4	2	50%	OP	A	P4 is on Line # 2 /awaiting line 4 riser to be cleaned. Pump #1 was secured due to burnt VFD.	WO #1384376	5/27/23, VFD #1 burnt, 5/29/23, VFD #3 burnt. (PTT are working on new replacement)			VFD OR 54833 (pending PO)
30	LOWER SUNSET	2	2	1	50%	N/A	N/A	Pump #1 in operation. Pump #2 needs to be replaced.	WO #1452742				
Total	30		66	56	85%								

GWA Work Session - July 16, 2024 - GWA GM REPORT

Southern District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	GAAN #1	1	4	3	75%	OP	MAN	Pump #1 is available, pending VFD		#2/#5 VFDs are defective due to burnt IGBT and power cards. Currently using VFD from Southern Link for #5			VFDs replacement Bid is in process
2	PUMP STATION #11	2	2	2	100%	INOP	AUTO						
3	PUMP STATION #12	1	2	2	100%	OP	AUTO						
4	PUMP STATION #14	2	2	2	100%	OP	AUTO						
5	PUMP STATION #15	1	2	2	100%	INOP	AUTO						
6	PUMP STATION #16	2	2	2	100%	OP	AUTO						
7	PUMP STATION #17	2	2	2	100%	OP	AUTO						
8	PUMP STATION #18	2	2	2	100%	OP	AUTO						
9	INARAJAN MAIN	1	2	2	100%	OP	AUTO						
10	INARAJAN LIFT	1	2	2	100%	OP	AUTO						
11	TALAFIFO	1	2	2	100%	OP	AUTO						
12	PAGACHAO	2	2	1	50%	NONE	NA	Pump 1 was removed and brought to maintenance due to pump is grounded.	WO #1393508				OR 55320 (pending PO)
13	CHALIGAN	2	2	2	100%	OP	MAN						
14	EJECTOR #2	2	2	1	50%	PORTABLE /INOP	NA	Motor #2 was deemed grounded. Pending maintenance team for removal.	WO #1399462				OR 55165 (pending PO)
15	EJECTOR #3	2	2	1	50%	PORTABLE /INOP	NA	Compressor #2 secured due to compressor not building air.	WO #1377595				OR 55165 (pending PO)
16	EJECTOR #4	2	2	2	100%	PORTABLE /INOP	NA	#2 on standby due to main breaker needs to be upgraded.					
17	EJECTOR #5	2	2	1	50%	PORTABLE /INOP	NA	#2 compressor was removed and brought to ejector 7.					OR 55165 (pending PO)
18	EJECTOR #6	2	2	2	100%	PORTABLE /INOP	NA	#2 on standby due to main breaker needs to be upgraded.					
19	EJECTOR #7	2	2	2	100%	PORTABLE /INOP	NA	#1 on standby due to main breaker needs to be upgraded. Currently using compressor from Ejector 5 on line #2. Still pending replacement compressor on line #2.	WO #1399569				OR 55165 (pending PO)
20	NORTH REYES	2	2	2	100%	PORTABLE /INOP	NA						
21	LEYON #3 (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. 66068 was installed on unit #3 Pump was removed due to impeller snapped, pump was taken to vendor for repairs on threading due to cross threaded. 66067 is currently installed at Windward Hills PS (needs to be removed due to moisture sensor activated). 66069 was removed on 1/8/24 due to seal failure.	66068 WO#-1430545 66067 WO#-1400616 66069 WO#-1418194				66067 PO 503132 66069 OR 55197 (pending PO)
25	Windward Hills	1	3	2	67%	OP	AUTO	8/1/23, 61079 was removed and brought to maintenance due to bearing issues. Repairs were made on rebuild but during installation on 9/1, found that motor needs rewinding. 61106 is currently installed on unit #2. 61107 was removed 9/29 and brought to maintenance shop due to low megger and seal failure.	61079 - WO #1335584 61107 - WO #1398233	PO 501369 for valves (pending approval)			61079 OR 54520 (pending PO) 61107 OR 54740 (pending PO)
26	Aplacho	1	3	2	67%	OP	AUTO	7028 was removed due to grounded motor and delivered to vendor for repairs 8/31. 7030 was removed due to grounded motor and delivered to vendor for repairs 8/31. New pump was installed due to motors in need of repairs.	7028 - WO #1374946 7030 - WO #1374300				7028 - PO 502613 7030 - PO 502615
27	Ladera #1	2	2	2	100%	PORTABLE	MAN						
28	Ladera #2	2	2	2	100%	PORTABLE	MAN						
29	Ayuyu	2	2	1	50%	PORTABLE	MAN	Pump #1 was removed and is currently installed at Leyang PS. Needs rewind due to motor grounded. Pump is at maintenance.	WO #1399563				OR 54764 (pending PO)
30	Tenorio	2	2	2	100%	PORTABLE	MAN						
31	Taitague	2	2	2	100%	PORTABLE	MAN						
32	Hyundai	2	2	2	100%	OP	AUTO						
	32		68	59	87%								

GWA Work Session - July 16, 2024 - GWA GM REPORT

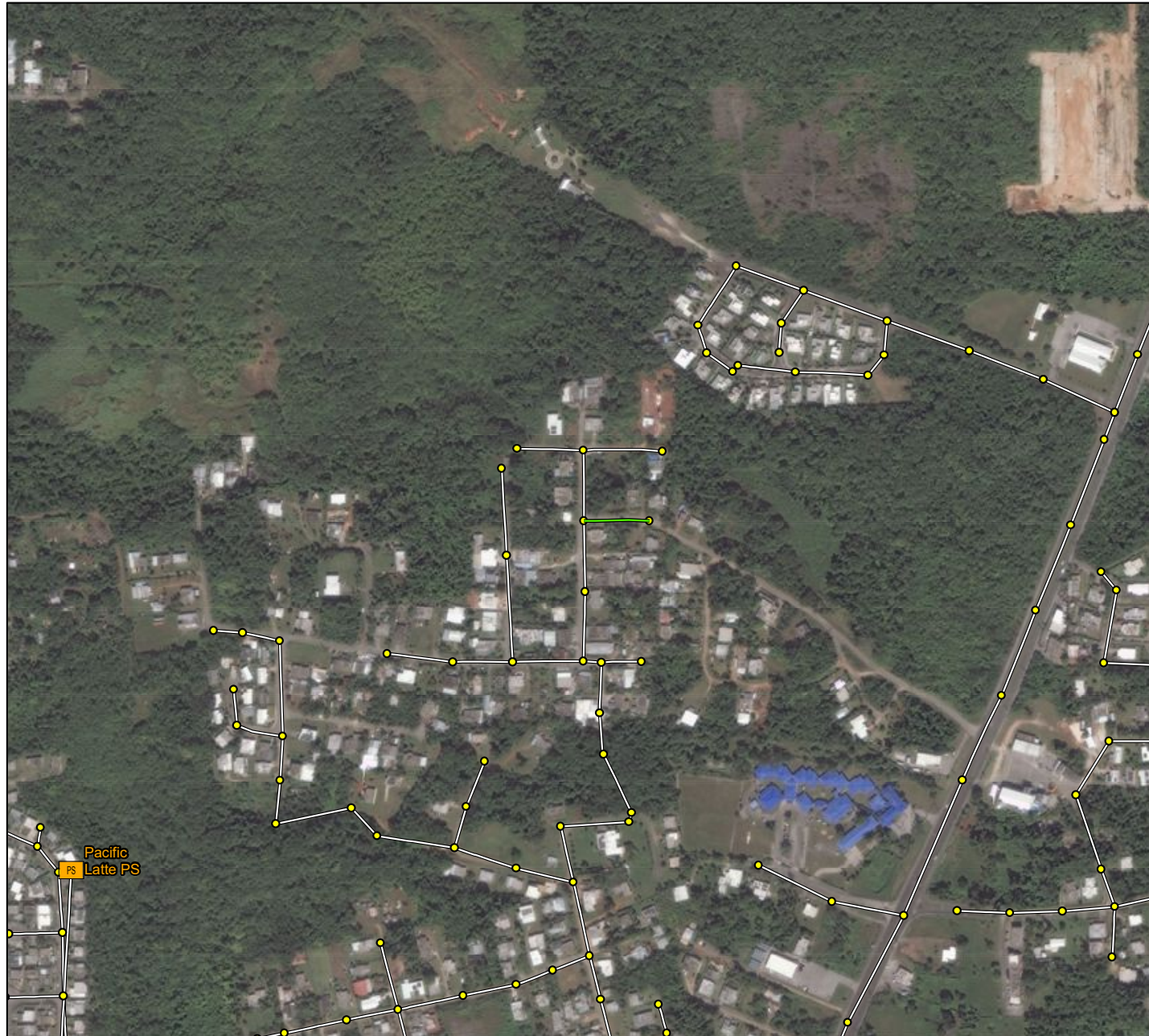
Guam Waterworks Authority		Date: 7/8/2024											
REVIEWS													
TOTAL PUMPS INSTALLED	186	OVERALL AVERAGE	83%										
TOTAL PUMPS OPERATIONAL	155	% OF OPERATING PUMPS	83%										
TOTAL PUMP STATIONS	84												
Northern District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED 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	3	75%	GPA	A	Pump #1 was secured due to seal failure. Pump was removed and delivered to JMI for repairs. Pump #4 is on standby and will be used for emergencies as per plan.	WO # 1430285				
2	FUJITA	1	4	2	50%	GPA	A	Pump #2 was removed 11/3/22 due to seal failure. Using impeller from #2 on #4. 6/12/23, Pump #3 was connected to VFD #4 due to Pump #4 has a bearing issue, pump delivered to vendor 9/12 for repairs.	P#2 WO 1323701 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				OR 55164 (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 relaced. (PIT are working on new replacement) Calvin will be working on write up for new pumps, valves, and pedestals for #3 & #4.			Volute OR 54968 (pending PO)
7	LATTE DOUBLE TROUBLE	1	2	2	100%	GPA	A						
8	LATTE SUN RISE	2	2	1	50%	GPA	A	7/31/23, Pump #1 was removed due to seal failure.	WO #1384262				OR 54657 (pending PO)
9	LATTE SUBMARINE	2	2	2	100%	GPA	A						
10	LATTE PLANTATION	2	2	2	100%	GPA	A						
11	PGD	2	2	2	100%	GPA	A						
12	MACHECHE	2	2	2	100%	GPA	A						
13	HAFADA	2	2	1	50%	GPA	A	Pump #2 was removed due to motor was grounded.	WO# 1417247				OR 55163 (pending PO)
14	YPAO PAO	1	3	2	67%	GPA	N/A	7/5/23 Pump #1 shorted as per electricians.	WO #1376323				P#1 ORS4701 (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				OR 55417 (pending PO)
18	SANTA ANA	2	2	2	100%	GPA	A						
19	MACHANAONAO	1	2	2	100%	GPA	A						
20	FEMA 96	2	2	2	100%	GPA	A						
21	ASTUMBO 1	2	2	2	100%	GPA	A	7/30/23, Electrician found pump #1 open windings.	P#1 WO #1383026				P#1 OR 54658 (pending PO)
22	ASTUMBO 2	2	2	1	50%	GPA	A	7/31/23, pump 1 was removed and installed at Astumbo #1 due to pump failure.					
Total	22		52	41	79%								

GWA Work Session - July 16, 2024 - GWA GM REPORT

Central District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/ AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	CABRAS ISLAND	1	2	2	100%	Portable	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 repiping lines for a new installation.	WO #1266707				Working with Engineering for station upgrades (CIP write up with procurement for review.)
7	ORDOT	2	2	2	100%	OP	A						
8	DERO	1	2	2	100%	OP	A						
9	CHALAN PAGO #5	2	2	1	50%	OP	A	6/3/23, Pump #1 was removed due to grounded motor. Pump was delivered to vendor for repairs 8/31	WO #1370938				PO 502639
10	CHALAN PAGO #3	2	2	2	100%	OP	A						
11	FLORA GARDENS	2	2	2	100%	INOP	A						
12	DOUBLE SHAFT	1	3	3	100%	OP	A						
13	NAMU	2	1	1	100%	OP	A	Found motor defective. Motor was removed and new motor from Maite PS was installed. Motor was sent to vendor for repairs.	WO #1436402				PO 503203
14	TAI MANGILAO	1	3	2	67%	GPA	A	Pump #1 was removed and brought to maintenance 5/12/22 due to mechanical seal issue. Pump was delivered to vendor. Pending parts.	WO #1285248				PO 501491 repairs have been on hold due to prioritizing other stations.
15	MANGILAO	1	2	2	100%	GPA	A						
16	FIDIAN	2	2	2	100%	GPA	A						
17	LEYANG	2	2	2	100%	OP	A						
18	SAGAN BONITA 1	2	2	2	100%	OP	A						
19	SAGAN BONITA 2	2	2	1	50%	OP	A	Electricians tested Pump #1 and found pump to be grounded.	WO # 1398315				OR 54742 (pending PO)
20	DAIRY	1	2	1	50%	INOP	A	Pump #2 was removed due to motor was grounded.	WO #1427553				OR 55413 (pending PO)
21	BARRIGADA	1	2	2	100%	GPA	A						
22	TOTO GARDENS	2	2	2	100%	INOP	A						
23	MONGMONG	2	2	2	100%	OP	A						
24	CASIMERU	2	2	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						
27	ALUPANG	1	2	2	100%	OP	A						
28	MAMAJANAO	1	3	2	67%	OP	A	Pump #2 was installed. While in operation, key slot for impeller rounded off. Need to make repairs.	WO # 1431182				
29	AGANA MAIN	1	4	2	50%	OP	A	P4 is on Line # 2 /awaiting line 4 riser to be cleaned. Pump #1 was secured due to burnt VFD.	WO #1384376	5/27/23, VFD #1 burnt, 5/29/23, VFD #3 burnt. (PTT are working on new replacement)			VFD OR 54833 (pending PO)
30	LOWER SUNSET	2	2	1	50%	N/A	N/A	Pump #1 in operation. Pump #2 needs to be replaced.	WO #1452742				
Total	30		66	56	85%								

GWA Work Session - July 16, 2024 - GWA GM REPORT

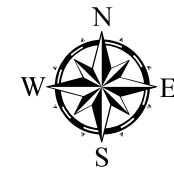
Southern District														
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES	
1	GAAN #1	1	4	2	50%	OP	MAN	Pump #1 is available, pending VFD		#2/#5 VFDs are defective due to burnt IGBT and power cards. Currently using VFD from Southern Link for #5			VFDs replacement Bid is in process	
2	PUMP STATION #11	2	2	2	100%	INOP	AUTO							
3	PUMP STATION #12	1	2	2	100%	OP	AUTO							
4	PUMP STATION #14	2	2	2	100%	OP	AUTO							
5	PUMP STATION #15	1	2	2	100%	INOP	AUTO							
6	PUMP STATION #16	2	2	2	100%	OP	AUTO							
7	PUMP STATION #17	2	2	2	100%	OP	AUTO							
8	PUMP STATION #18	2	2	2	100%	OP	AUTO							
9	INARAJAN MAIN	1	2	2	100%	OP	AUTO							
10	INARAJAN LIFT	1	2	2	100%	OP	AUTO							
11	TALAFORO	1	2	2	100%	OP	AUTO							
12	PAGACHAO	2	2	1	50%	NONE	NA	Pump 1 was removed and brought to maintenance due to pump is grounded.	WO #1393508				OR 55320 (pending PO)	
13	CHALIGAN	2	2	2	100%	OP	MAN							
14	EJECTOR #2	2	2	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 55165 (pending PO)	
16	EJECTOR #4	2	2	2	100%	PORTABLE /INOP	NA	#2 on standby due to main breaker needs to be upgraded.						
17	EJECTOR #5	2	2	2	100%	PORTABLE /INOP	NA	#2 on standby due to main breaker needs to be upgraded.					OR 55165 (pending PO)	
18	EJECTOR #6	2	2		#VALUE!	PORTABLE /INOP	NA	#2 on standby due to main breaker needs to be upgraded.						
19	EJECTOR #7	2	2	2	100%	PORTABLE /INOP	NA	#1 on standby due to main breaker needs to be upgraded. Currently using compressor from Ejector 5 on line #2. Still pending replacement compressor on line #2.	WO #1399569				OR 55165 (pending PO)	
20	NORTH REYES	2	2	2	100%	PORTABLE /INOP	NA							
21	LEYON #3 (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 on line #2. 66068 was installed on unit #3 Pump was removed due to impeller snapped, pump was taken to vendor for repairs on threading due to cross threaded. 66069 was removed on 1/8/24 due to seal failure.	66068 WO#-1430545 66069 WO#-1418194				66068 OR 10050 (pending PO) 66069 OR 55197 (pending PO)	
25	Windward Hills	1	3	2	67%	OP	AUTO	8/1/23, 61079 was removed and brought to maintenance due to bearing issues. Repairs were made on rebuild but during installation on 9/1, found that motor needs rewinding. 61105 installed on line #1. 61106 is currently installed on unit #2. 61107 was removed 9/29 and brought to maintenance shop due to low megger and seal failure.	61079 - WO #1335584 61107 - WO #1398233	PO 501369 for valves (pending approval)			61079 OR 54520 (pending PO) 61107 OR 54740 (pending PO)	
26	Aplacho	1	3	2	67%	OP	AUTO	7028 was removed due to grounded motor and delivered to vendor for repairs 8/31. 7030 was removed due to grounded motor and delivered to vendor for repairs 8/31. New pump was installed due to motors in need of repairs.	7028 - WO #1374946 7030 - WO #1374300				7028 - PO 502613 7030 - PO 502615	
27	Ladera #1	2	2	2	100%	PORTABLE	MAN							
28	Ladera #2	2	2	2	100%	PORTABLE	MAN							
29	Ayuyu	2	2	1	50%	PORTABLE	MAN	Pump #1 was removed and is currently installed at Leyang PS. Needs rewind due to motor grounded. Pump is at maintenance.	WO #1399563				OR 54764 (pending PO)	
30	Tenorio	2	2	2	100%	PORTABLE	MAN							
31	Taitague	2	2	2	100%	PORTABLE	MAN							
32	Hyundai	2	2	2	100%	OP	AUTO							
	32		68	58	85%									








Court Order Unit
Work for May 2024



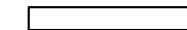
Location Map



Legend

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

Scale
500



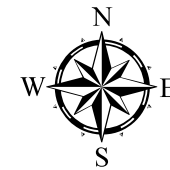
1 inch = 500 feet








Court Order Unit
Work for May 2024



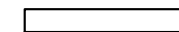
Location Map



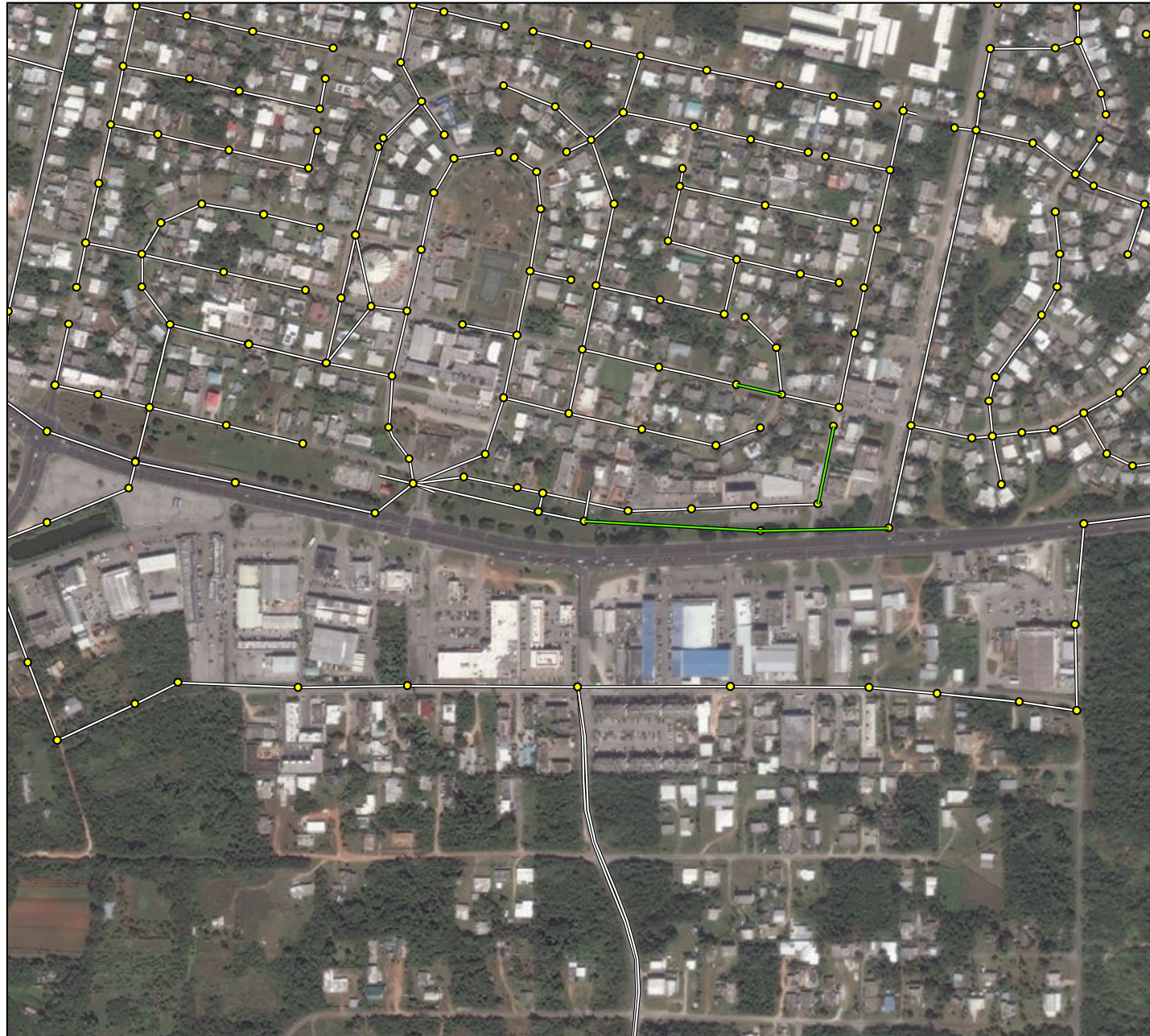
Legend

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

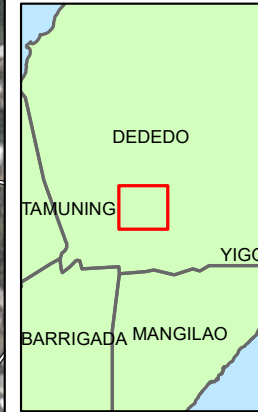
Scale
500



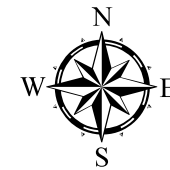
1 inch = 500 feet








Court Order Unit
Work for May 2024



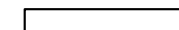
Location Map



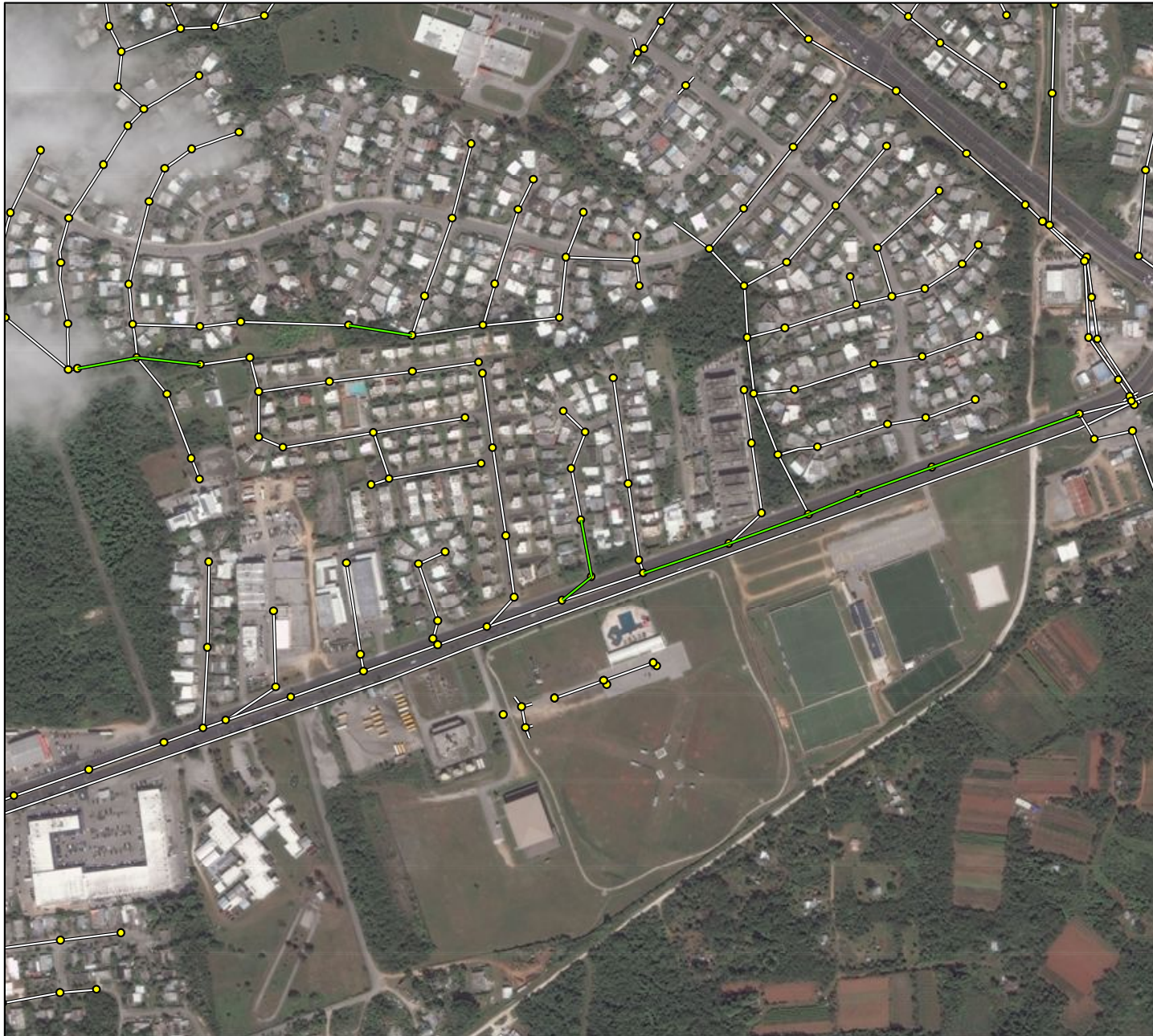
Legend

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

Scale
500



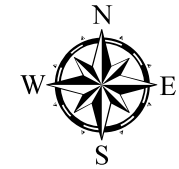
1 inch = 500 feet








Court Order Unit
Work for May 2024




Location Map



Legend

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

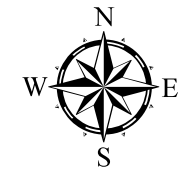
Scale
500

1 inch = 500 feet








Court Order Unit
Work for May 2024



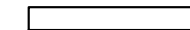
Location Map



Legend

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

Scale
500



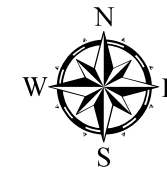
1 inch = 500 feet








Court Order Unit
Work for May 2024



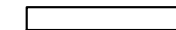
Location Map



Legend

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

Scale
500



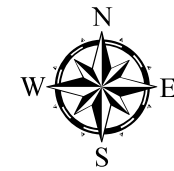
1 inch = 500 feet








Court Order Unit
Work for May 2024



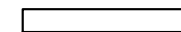
Location Map



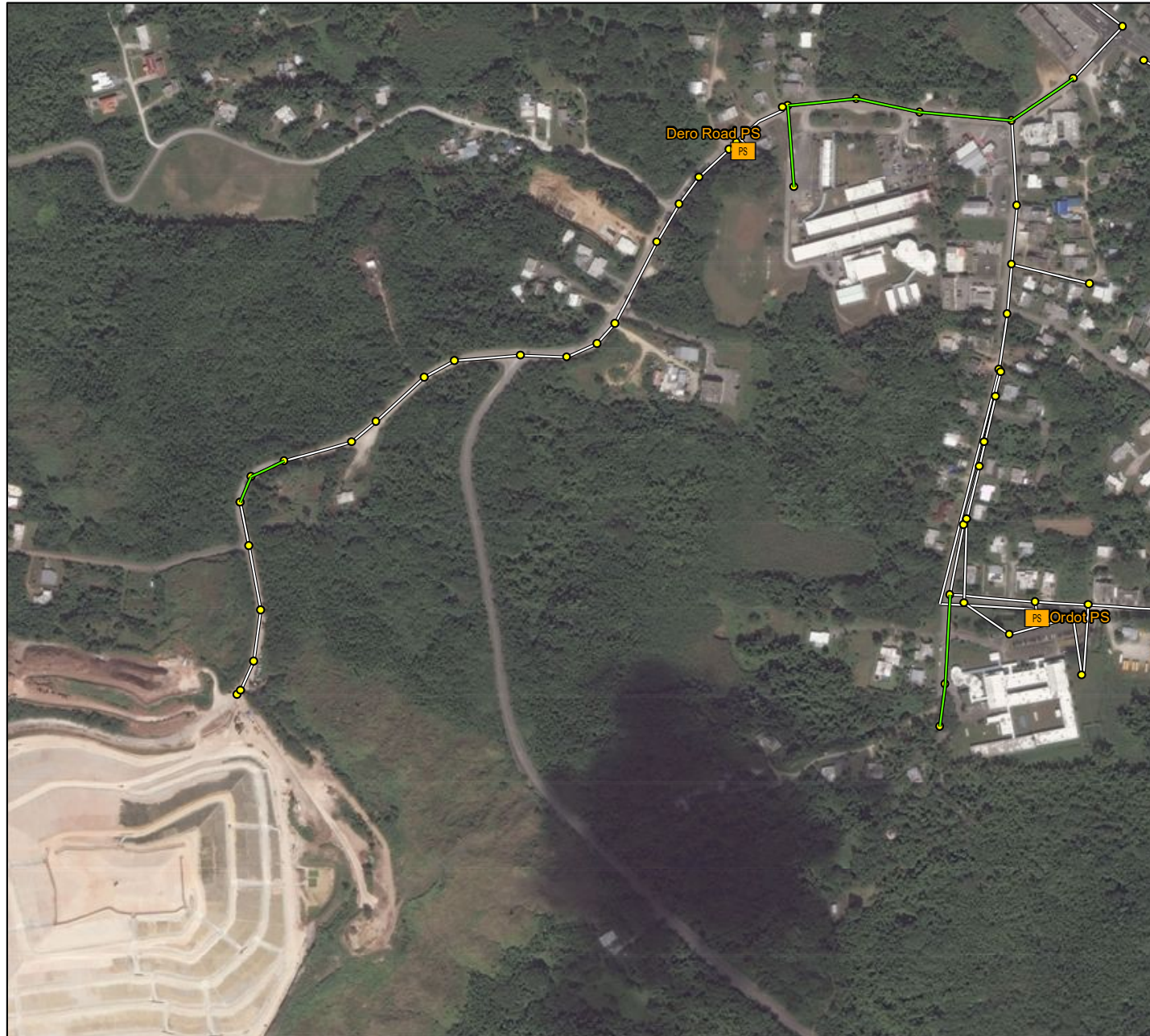
Legend

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

Scale
500



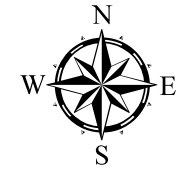
1 inch = 500 feet








Court Order Unit Work for May 2024



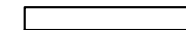
Location Map



Legend

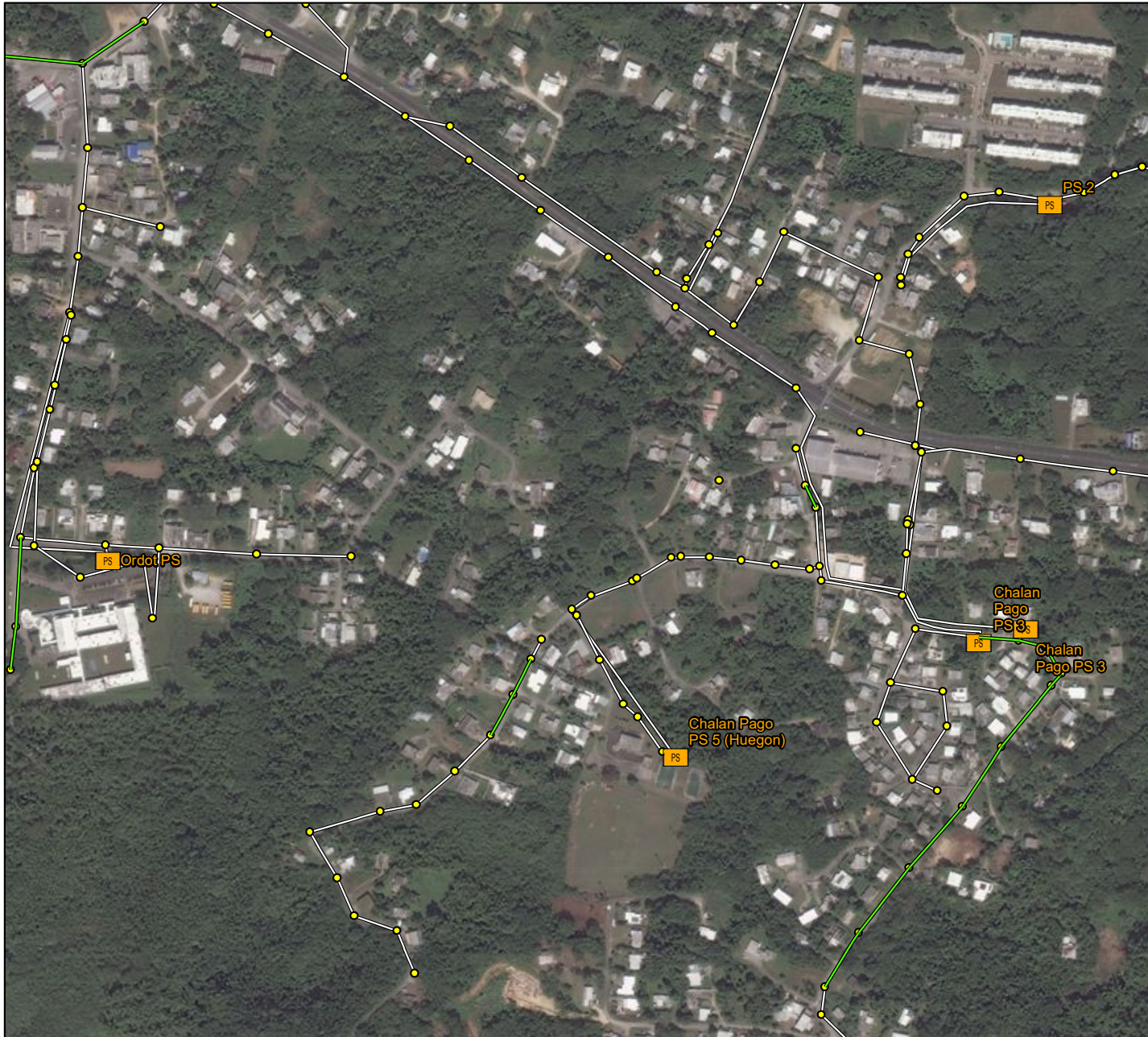
-  Treatment Plant
-  Pump Station
-  Manhole
-  CCTV
-  Sewer Line

Scale
500

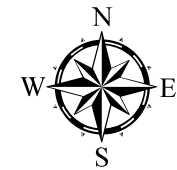


1 inch = 500 feet






Court Order Unit
Work for May 2024



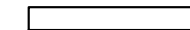
Location Map



Legend

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

Scale
500



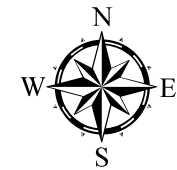
1 inch = 500 feet








Court Order Unit
Work for May 2024



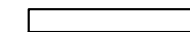
Location Map



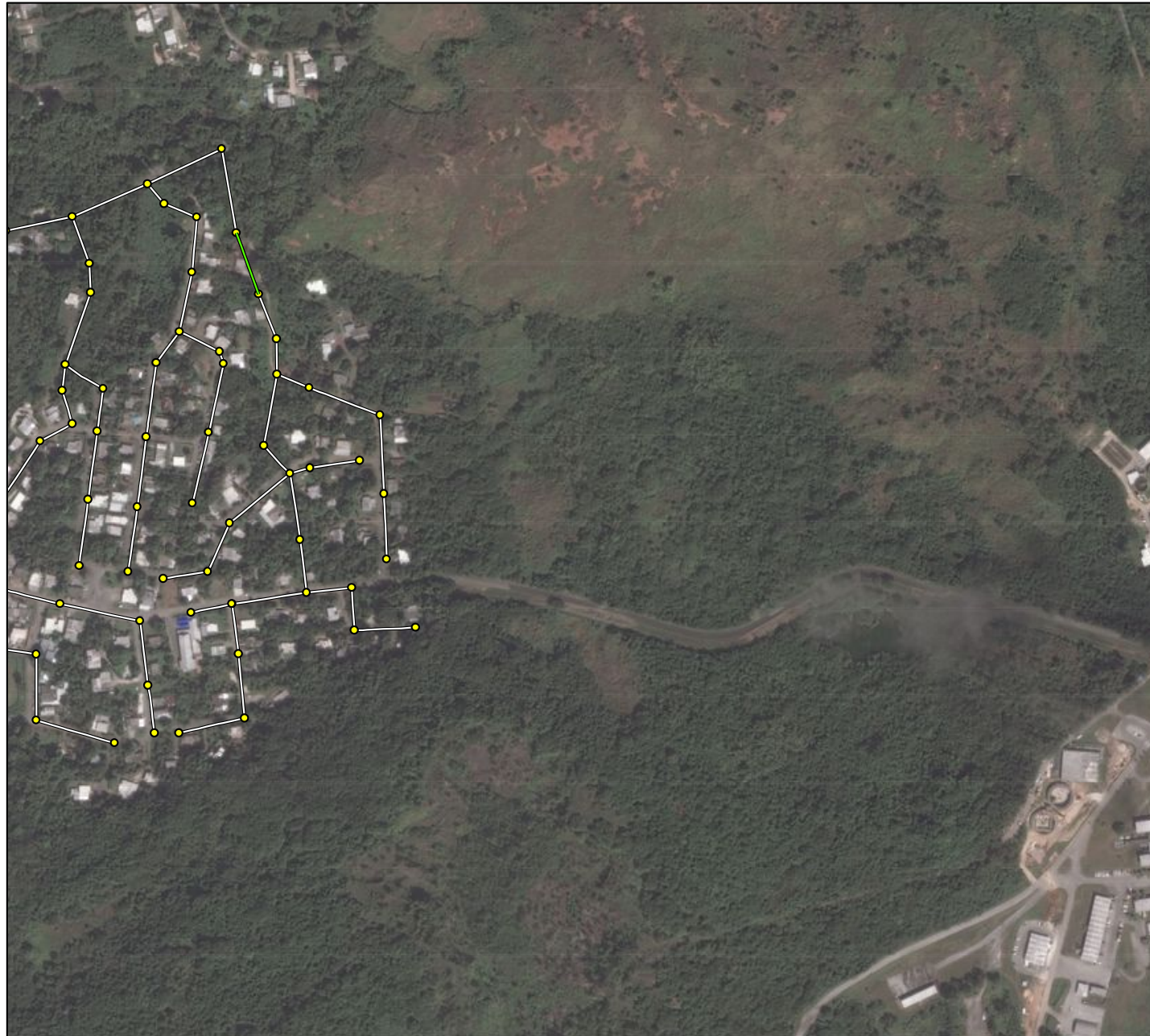
Legend

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

Scale
500



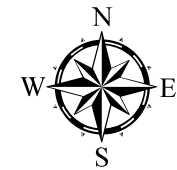
1 inch = 500 feet








Court Order Unit
Work for May 2024



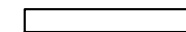
Location Map



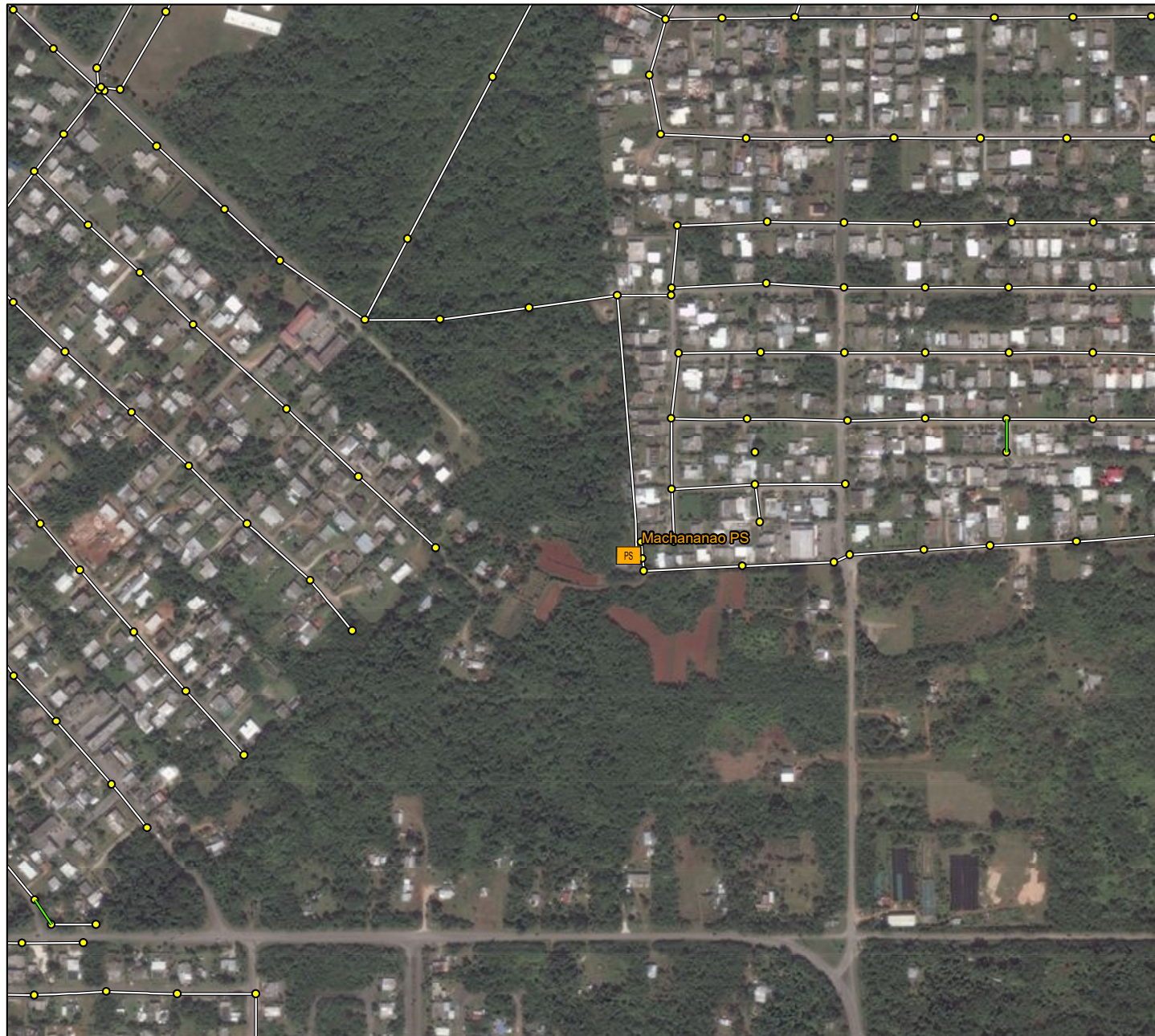
Legend

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

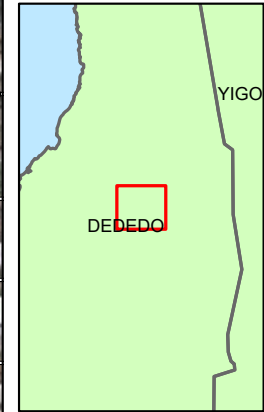
Scale
500



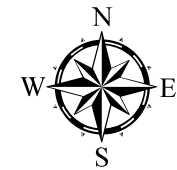
1 inch = 500 feet








Court Order Unit
Work for JUNE



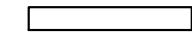
Location Map



Legend

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

Scale
500



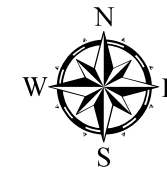
1 inch = 500 feet








Court Order Unit
Work for JUNE



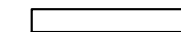
Location Map



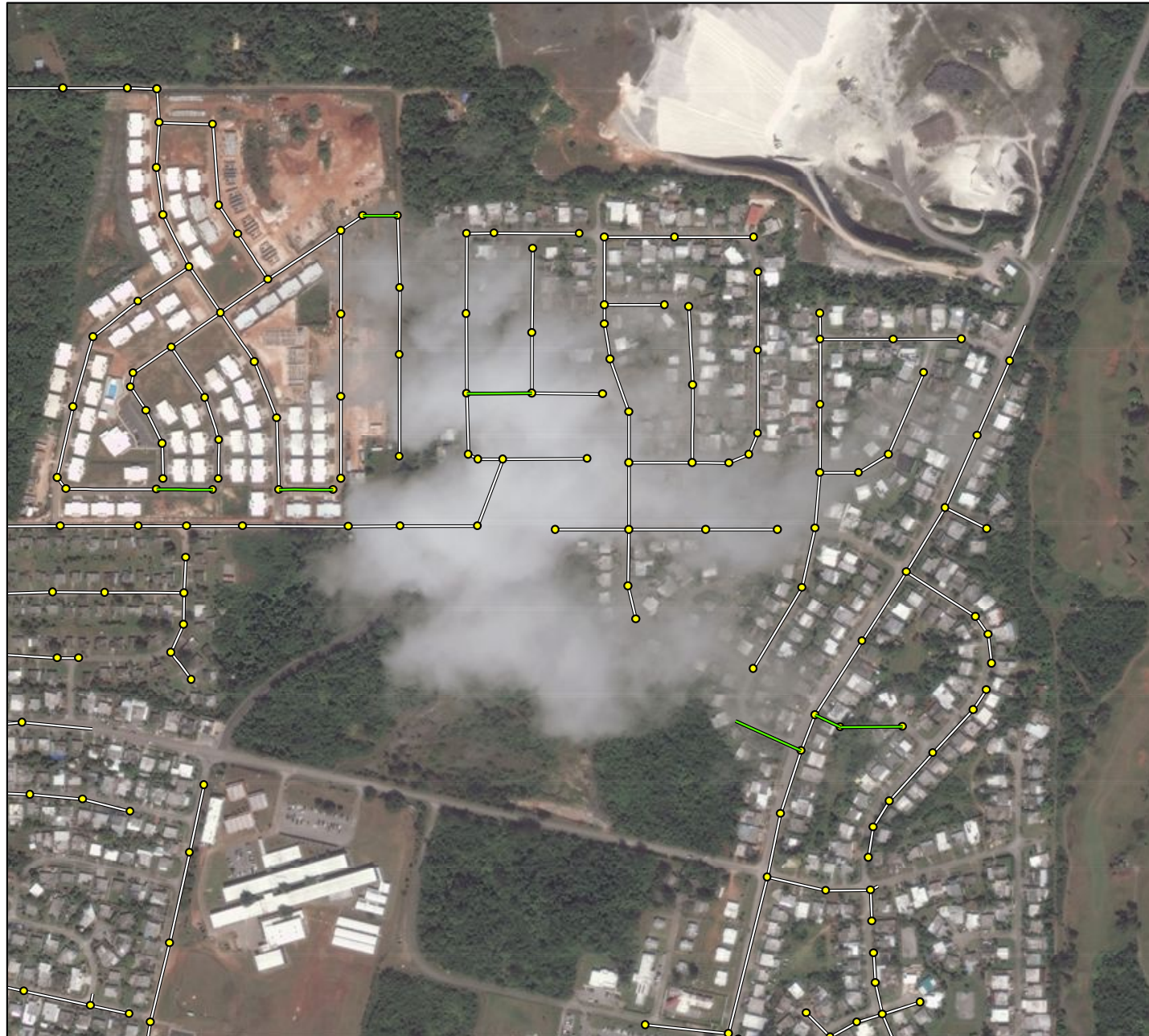
Legend

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

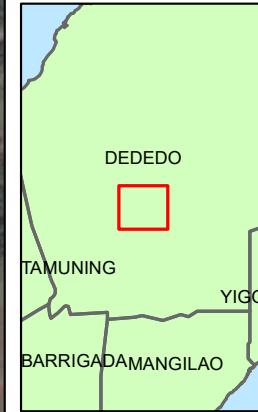
Scale
500



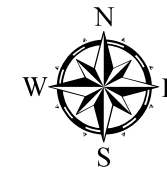
1 inch = 500 feet








Court Order Unit Work for JUNE



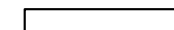
Location Map



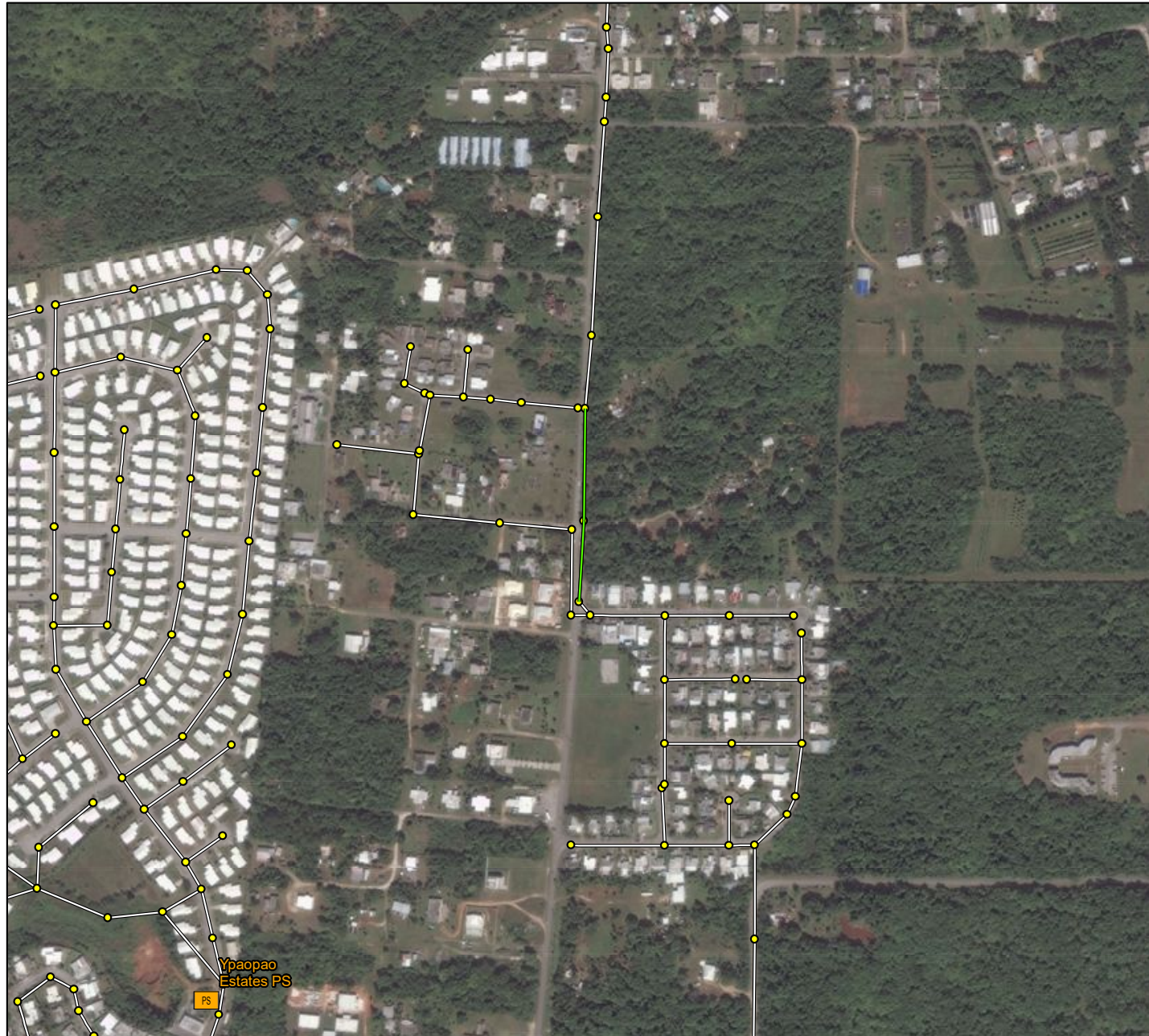
Legend

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

Scale
500



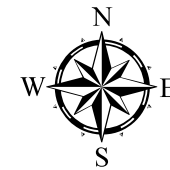
1 inch = 500 feet








Court Order Unit
Work for JUNE



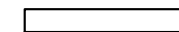
Location Map



Legend

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

Scale
500



1 inch = 500 feet