CONSOLIDATED COMMISSION ON UTILITIES
Guam Power Authority | Guam Waterworks Authority
P.O. Box 2977 Hagatna, Guam 96932 | (671) 648-3002 | guamccu.org

GUAM POWER AUTHORITY WORK SESSION

CCU Conference Room
8:30 a.m., Thursday, October 20, 2022

AGENDA

1. **CALL TO ORDER**

2. **ISSUES FOR DECISION**
   - **2.1 Relative to the Approval of Engineering, Procurement and Construction Management Contract/Resolution FY2023-01**
   - **2.2 Relative to the Approval of Property Insurance/Resolution FY2023-02**

3. **GM REPORT UPDATES**
   - **3.1 Administration**
   - **3.2 Engineering & Technical Services (ETS)**
   - **3.3 Financial**
   - **3.4 Operations**
   - **3.5 Other**

4. **OTHER DISCUSSION**

5. **ANNOUNCEMENT**
   - **5.1 Next Meeting: CCU Regular Meeting: Tuesday, October 25, 2022**

6. **ADJOURNMENT**

GUAM POWER AUTHORITY
ATURIDÅT ILEKTRESEDÅT GUAHAN
P.O. BOX 2977, HÅGATÑA, GUAM 96932-2977

Issues for Decision

Resolution No.: FY2023-01

Relative to: Relative to the Approval of Engineering, Procurement and Construction Management Contract

What is the project's objective? Is it necessary and urgent?
To initially provide consulting and technical support as Owner's Engineer for the execution of the ECA for the Ukudu Power Plant to include contract management, design document reviews, construction monitoring, support for the new Ukudu Power Plant

GPA requires more time to refine scope for LNG fuel supply and will seek approval for this task at a later time.

Where is the location?
The Ukudu Power Plant is located in Ukudu, Harmon. LNG storage and regasification will be located within the Apra Harbor.

How much will it cost?
Consulting and technical support for the Ukudu Power Plant construction, commissioning and post commissioning support is estimated at $ 6,241,727 from December 2023 to February 2025

When will it be completed?
The new power plant is targeted for completion by April 2024 but may likely be by October 2024.

A budget for an LNG study is to be requested in 2023 and is not included in this budget request. An LNG infrastructure, if approved by CCU and PUC, could be completed approximately 2027.

What is its funding source?
Revenue Funds

The RFP/BID responses:
This was the result of Re-solicitation GPA RFP-21-010.

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RESOLUTION NO. FY 2023-01

RELATIVE TO THE APPROVAL OF ENGINEERING, PROCUREMENT AND CONSTRUCTION CONTRACT

WHEREAS, CCU Resolution 21-14, adopted in May 2021, authorized GPA to petition the Public Utilities Commission (PUC) for approval of procurement documents to solicit an Engineering, Procurement and Construction Management (EPCM) contract to support the construction and commissioning of the Ukudu Power Plant and to support development and procurement of liquefied natural gas infrastructure to supply natural gas to the new power plant; and

WHEREAS, the new contract would replace the existing EPCM contract with Stanley Consultants, Inc., which has reached its contract term; and

WHEREAS, PUC Docket 21-13 dated July 29, 2021 approved GPA's petition in September 2021 GPA announced RFP-21-010 for a new EPCM contract, however this solicitation was cancelled in November 2021 due to lack of open competition. The RFP was reissued in March 2022;

WHEREAS, Stanley Consultants, Inc. has been selected as the most qualified proponent;

WHEREAS, GPA scope for the EPCM is provided in Attachment 1; and

WHEREAS, Stanley Consultants has proposed $6,241,727 through the construction and commissioning of the Ukudu Power Plant by October 2024 plus an additional 4 months of post commissioning support on a time and material basis with projected annual budgets as shown below:

FY 2023 (12/1/22 – 9/30/23)	FY 2024 (10/1/23 – 9/30/24)	FY 2025 (10/1/24 – 2/28/25)	Total
$ 2,198,121	$ 2,848,030	$ 1,095,576	$ 6,241,727

; and

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WHEREAS, GPA is deferring the LNG task to allow more time to refine and negotiate scope;

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities does hereby approve the following:

1. The CCU authorizes the GPA General Manager to petition the PUC for approval of the EPCM contract to Stanley Consultants, Inc. for the initial task of construction and commissioning support of the Ukudu Power Plant for $ 6,241,727 based on estimated hours and labor support from December 2022 through February 2025.

RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this _____day of _____ 2022.

Certified by:	Attested by:
_____	_____
JOSEPH T. DUENAS Chairperson	**PETER ROY MARTINEZ** Secretary

I, Peter Roy Martinez, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the Guam Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:

AYES: _____

NAYS: _____

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ABSTENTIONS: _____

ABSENT: _____

///

EPCM
Scope of Work for Cost Proposal

Initial scope of work will be for the following. Contractor shall provide fiscal year budgets based on projected hours and proposed hourly wages for the following tasks.

1. New Generation Contract & Owner's Engineer Support
    a. New Generation Contract Execution – As the Owner's Engineer, GPA requires on-island support. EPCM shall have an on-island presence to witness construction progress and lead/attend meetings in person as required. Contractor representative should have contracting, construction and commissioning experience for similar projects.

        Deliverable: Meeting attendance, monthly reports

    b. Owner's Engineer for Construction Phase
        i. Drawing / Document Review – Provide technical review of power plant and pipeline documents including but not limited to construction drawings, equipment and technical specifications, design criteria, and construction plans.

            Deliverable: Response/comments to drawing review requests. This can be based on expected drawing reviews from Master Document listing. Note that this listing is not final nor only reference for document reviews.

        ii. Construction Monitoring –
            1. Ukudu Site Inspections – As the Ukudu site will be owned and operated by GUP/KEPCO, GPA does not expect the EPCM to be overseeing or managing the power plant, however as GPA's Owner's Engineer regular site inspections to confirm project progress and fulfillment of contract obligations, assess areas of concern and/or respond to any incidents are required.

                Deliverable: Update on weekly/regular meetings, monthly report, incident reports.

            2. Pipeline Construction Monitoring Support – As the pipeline will be turned over to GPA upon the Ukudu Power Plant commissioning, construction oversight, including installation inspection and witnessing of testing. Due to the length of this pipeline, its extended schedule, expanded work areas as well as Navy requirements for onsite representation near their fuel lines, GPA will require assistance from EPCM for initially 80-120 man-hours per month (4-6 hours per day)

                Deliverable: Update on weekly/regular meetings, monthly report, incident reports.

            3. Transmission Construction Support – At this time, GPA Engineering will be leading the construction oversight for the transmission interconnection which will be turned over to GPA upon the Ukudu Power Plant

Commissioning. However, GPA may request for technical assistance or additional support if required.

Deliverable: None at this time.

c. Project Management
   i. Meetings – Contractor shall organize, lead/attend, and document meetings for the power plant project. The following are a list of current meetings but other meetings maybe required for internal discussions or address other matters as they arise.
      1. Weekly Update Meetings
      2. Weekly Construction Meetings
      3. Monthly Progress Meeting (ECA requirement)
      4. Other meetings as required – this includes other agency meetings on the power plant and pipeline project requiring GPA representation (i.e. GEPA, DPW, GHPO)

   Deliverable: Meeting minutes, Summary of issues under review, documentation of recommendations made.

   ii. Project Schedule Review – Review of project progress and project schedule to ensure project is moving as scheduled and identify/anticipate concerns.

   Deliverable: Schedule review comments

   iii. Monthly Reports – Review of GUP monthly reports as required by ECA for completeness and provide edits/updates as necessary.

   Deliverable: Monthly Report review comments

   iv. Invoicing & Budget Management – Monitor and manage EPCM costs and budget.

   Deliverable: Monthly Invoicing

d. Post-Construction and Commissioning Support –
   i. Develop / Review performance evaluation procedure
   ii. Follow up on any punch list or warranty items/issues as required
   iii. Evaluate/update any SOPs

e. Regulatory and Stakeholder Outreach Support

2. LNG Pre-Development
    a. Business Model Development
    b. Industry Outreach
    c. Preliminary Conceptual Site Selections and LNG Receiving Terminal, LNG Storage, and Regasification Facility Functional Designs
    d. Environmental, Cultural and Construction Permits Survey
    e. Project Execution Plan and Work Breakdown Structure Development
    f. Regulatory Support for PUC
    g. Regulatory and Stakeholder Outreach Support

LNG Development Scope must be guided by the PUC Reference: Docket 13-02 (dated 7/30/13) and LUMMUS Report on 2013 IRP (dated 7/23/13).

GPA notes on need of new contract and difference versus existing contract:

- Increase in rates.
- Full time on site representative.
- Additional support for environmental and construction monitoring – There are multiple fuel construction sites that was not anticipated requiring additional assistance such as construction support for monitoring for unexploded WWII ordnance.
- Anticipating other technical support on site to support construction and commissioning activities in the plant when needed and for the fuel line (cathodic protection, leak detection, equipment testing, etc …)
- Anticipating more schedule control and monitoring as we are noting concerns with schedule being a potential impact. Delays in decisions by GPA would result in commissioning delays of the new plant resulting in delays of fuel savings.
- This is a time and material contract. Not a firm fixed price. Their proposal is a budget estimate but GPA will keep cost under budget.
- GPA continues to experience retirement of senior personnel and more are expected over the next few years. SPORD, has responsibility for not only the new power plant but also for significant projects such as bidding and contracting for over 180MW of utility scale renewables, Energy Storage Systems (ESS)…etc…. over this period.
- EPCM support for the GPA SPORD team is critical for the successful commissioning of the new Ukudu power plant by 2024.

GM REPORT

OCTOBER 2022

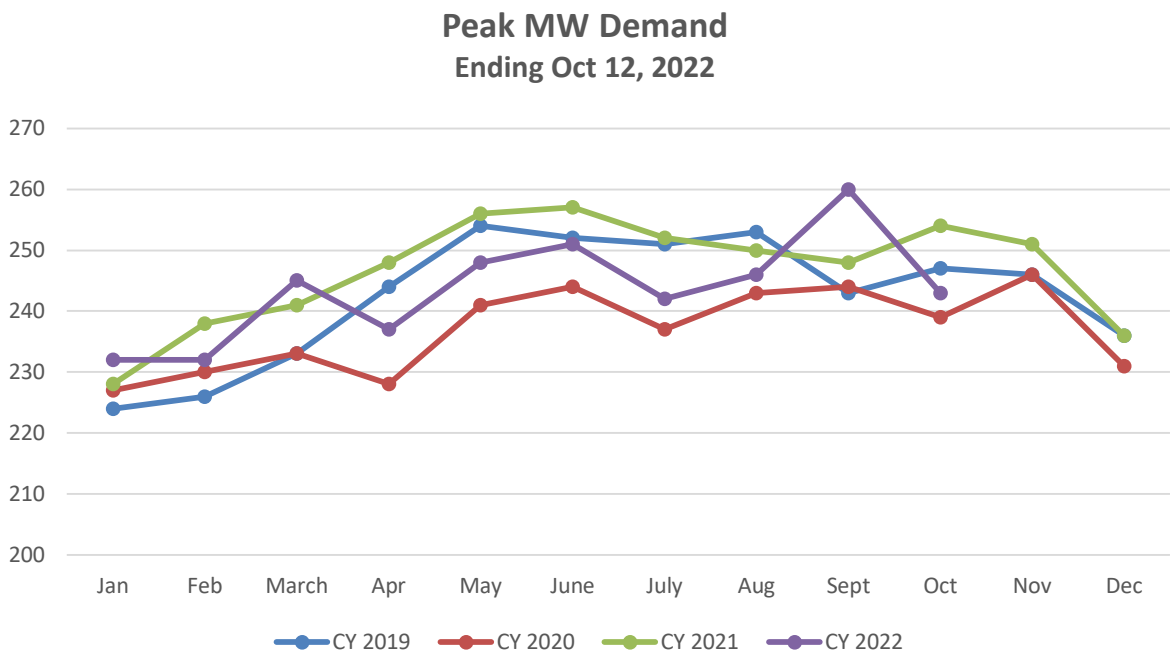
Generation Status

1. Reserve Margin Forecast for November 2022:

Projected Available Capacity:	321 MW
Projected Demand:	252 MW
Anticipated Reserve Margin:	69 MW

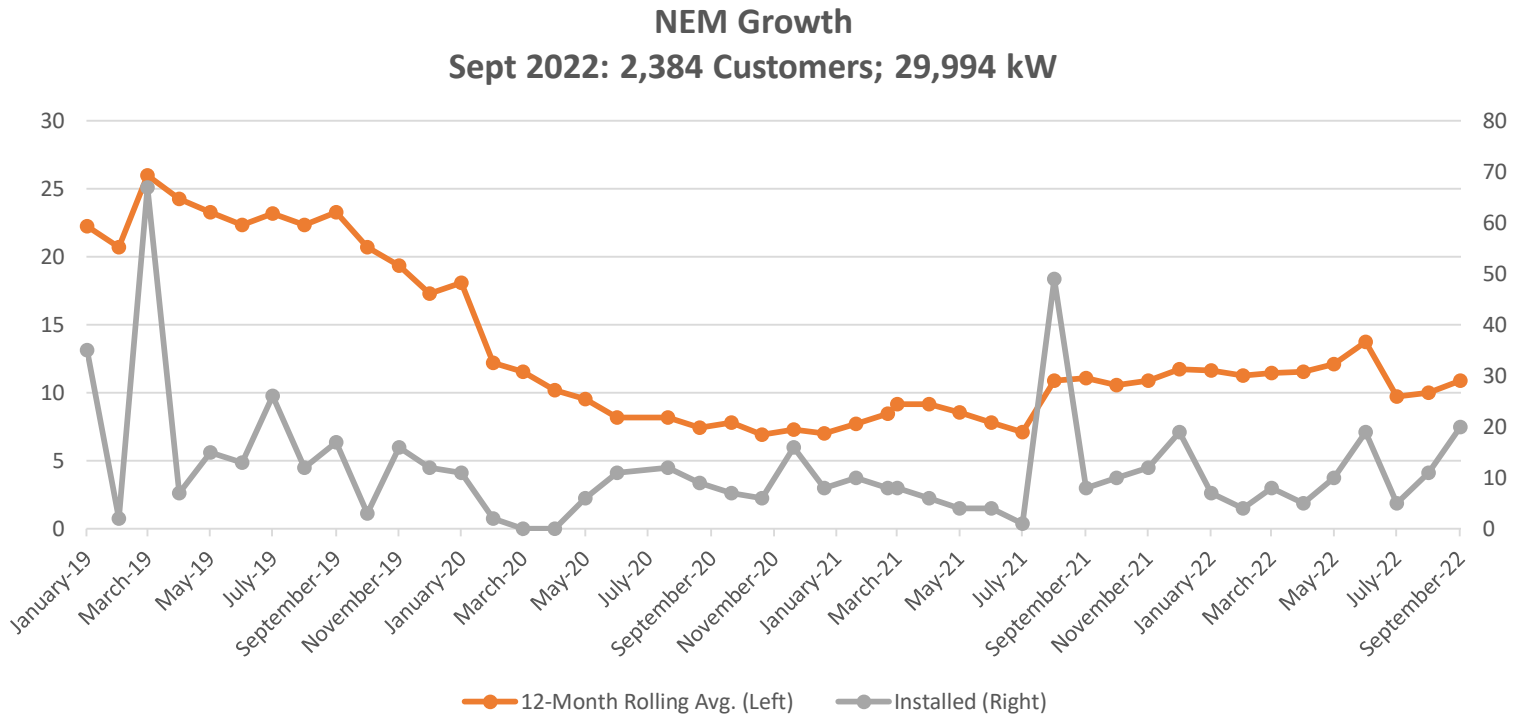
No extended base load outage planned for the month

2. System Peak Demand:



Net Metering (NEM)

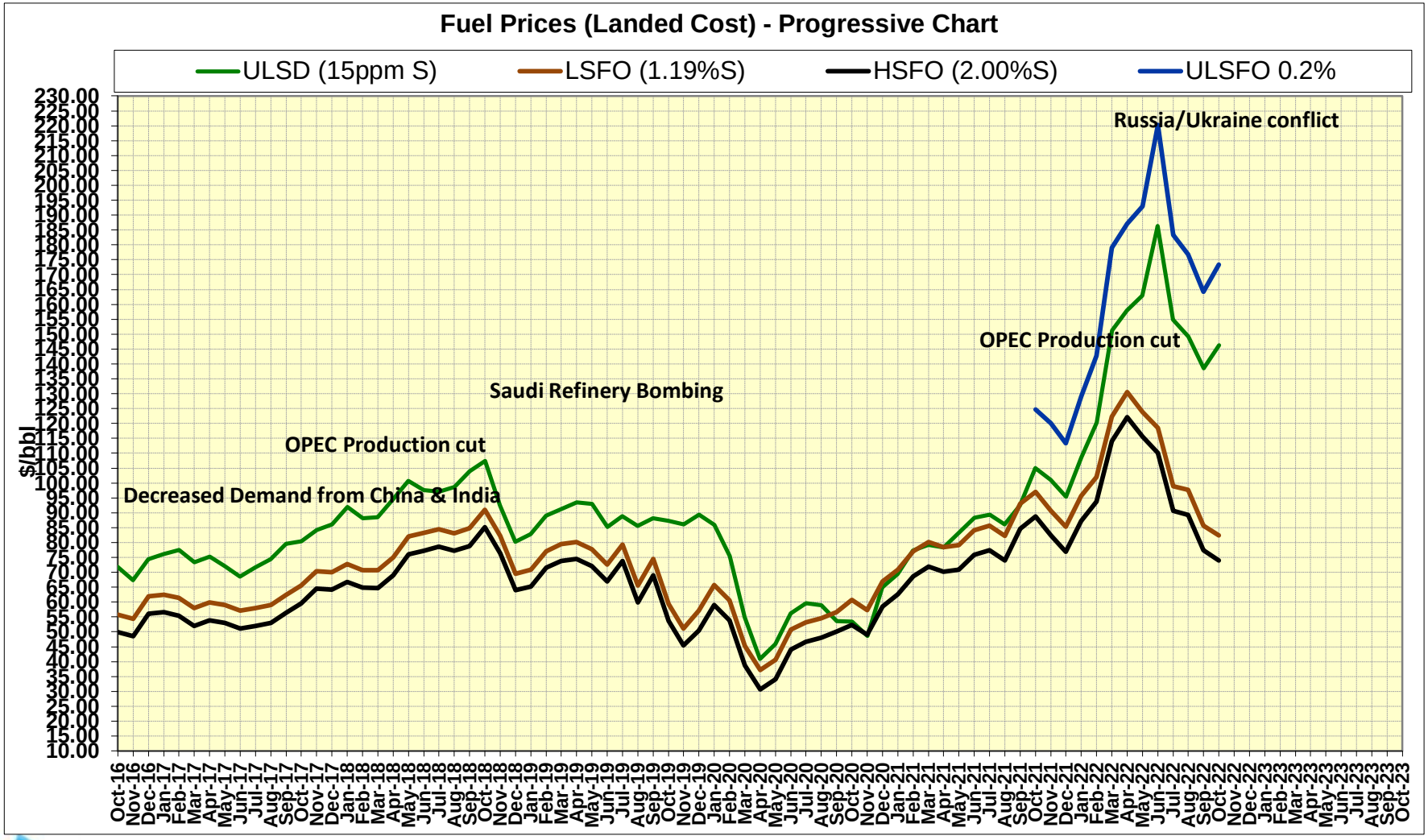
3. Net Metering (NEM) Growth Thru September 2022:



Category	Count	Percentage	Average kW
Residential	2204	92.4%	9.7
Commercial	155	6.5%	49.6
Government	25	1.0%	34.8
Total:	**2384**		

GPA Fuel Landed Cost (Per Barrel) Thru Oct. 13, 2022

4. 0.2% LSRFO $173.36; ULSD $146.33



General Manager's Report (cont'd)

5. PUC Update:

Thursday, October 27, 2022 Meeting Agenda Items:

- GPA Docket 23-01, Petition for Approval of the Phase IV Renewable Acquisition for GPA
- GPA Docket 22-15, PUC Review of LEAC pursuant to June 16, 2022 PUC Order

Dockets Approved at Thursday, September 29, 2022 Meeting:

- GPA Docket 22-16, Petition for Extension of the Term of the Lease Agreements for Pipeline and RFO Storage with Tristar Terminals -Approved
- GPA Docket 22-17, Petition Extension of Dock Facility Agreement with Tristar Terminals -Approved
- GPA Docket 22-18, Petition to Extend the Contract for the Management, Operation, and Maintenance of GPA's Fuel Storage Facility with ISLA Petroleum & Energy -Approved
- GPA Docket 22-19, Petition to Approve Contract with TEMES for Macheche CT Repairs -Approved
- GPA Docket 22-20, Petition to Approve Bond Refinancing Savings for Capital Lease and O&M Expense of the Ukudu Power Project -Approved

General Manager's Report (cont'd)

6. Customer Assistance Programs

October 2022

- $1.043M (1,494 households) - Guam Homeowner Assistance Fund Program (HAF)
- $3.045M (2,011 households) - Emergency Rental Assistance Program (ERA)
- $21,039,300 (~51,000 residential, multi-meter, commercial accounts; July-October 2022) – *Prugråman Ayuda Para I Taotao-ta* Energy Credit

7. DSM Online Report Update- September 2022

APPLICATIONS

Month	Applications	Commercial	Residential
Aug-22	217	0	217
Sep-22	487	7	480
TOTALS	704	7	697

AVERAGE REBATE PER APPLICATION

Commercial	Residential
$ 278.57	$ 278.55

EQUIPMENT

Month	Equipment	Commercial	Residential
Aug-22	316	0	316
Sep-22	667	12	655
TOTALS	983	12	971

AVERAGE REBATE PER EQUIPMENT

Commercial	Residential
$ 162.50	$ 199.95

REBATE AMOUNTS

Month	Rebate	Commercial	Residential
Aug-22	$ 61,475.00	$ -	$ 61,475.00
Sep-22	$ 134,625.00	$ 1,950.00	$ 132,675.00
TOTALS	$ 196,100.00	$ 1,950.00	$ 194,150.00

** DSM Online went live on 8/17/22. August 2022 figures are from 8/17 – 8/31 only.*
** Large Commercial, Government, Prepaid, and Inactive accounts are still tracked and processed manually.*
** Paper applications are NOT INCLUDED in this report but will be updated and combined in future reporting.*

Energy Sense Rebate Program (ESRP) Online Application (cont'd)

7. DSM Online Report Update - September 2022

APPLICATION COUNTS PER STATUS

Month	Applications	COMMERCIAL			RESIDENTIAL		
		Processing	Approved	Denied	Processing	Approved	Denied
Aug-22	217	0	0	0	121	63	33
Sep-22	487	6	0	1	420	0	60
TOTALS	704	6	0	1	541	63	93

APPLICATION COUNTS PER PROGRAM

Month	Applications	COMMERCIAL				RESIDENTIAL			
		Split A/C Units	Central A/C Units	VRF A/C Units	Rooftop A/C Units	Split A/C Units	Central A/C Units	Window A/C Units	Washer/Dryer
Aug-22	217	0	0	0	0	192	0	15	10
Sep-22	487	7	0	0	0	412	0	29	39
TOTALS	704	7	0	0	0	604	0	44	49

REBATE AMOUNTS PER PROGRAM

Month	Rebate	COMMERCIAL				RESIDENTIAL			
		Split A/C Units	Central A/C Units	VRF A/C Units	Rooftop A/C Units	Split A/C Units	Central A/C Units	Window A/C Units	Washer/Dryer
Aug-22	$ 61,475.00	$ -	$ -	$ -	$ -	$ 57,475.00	$ -	$ 1,600.00	$ 2,400.00
Sep-22	$134,625.00	$ 1,950.00	$ -	$ -	$ -	$ 120,375.00	$ -	$ 3,300.00	$ 9,000.00
TOTALS	$196,100.00	$ 1,950.00	$ -	$ -	$ -	$ 177,850.00	$ -	$ 4,900.00	$ 11,400.00

EQUIPMENT COUNT PER PROGRAM

Month	Equipment	COMMERCIAL				RESIDENTIAL			
		Split A/C Units	Central A/C Units	VRF A/C Units	Rooftop A/C Units	Split A/C Units	Central A/C Units	Window A/C Units	Washer/Dryer
Aug-22	316	0	0	0	0	288	0	16	12
Sep-22	667	12	0	0	0	577	0	33	45
TOTALS	983	12	0	0	0	865	0	49	57

** DSM Online went live on 8/17/22. August 2022 figures are from 8/17 – 8/31 only.*
** Large Commercial, Government, Prepaid, and Inactive accounts are still tracked and processed manually.*
** Paper applications are NOT INCLUDED in this report but will be updated and combined in future reporting.*

General Manager's Report (cont'd)

8. New Power Plant Update: GPA Activities

Completed:

- ECA Amendment: Signed on March 17, 2021.
- Resolution on Section 106 process between Navy/SHPO/GPA (cultural process)
- Archaeological Inventory Survey of Ukudu Site
- Cultural Survey for boring scope fuel/water/power project areas (outside of plant)
- Baseline noise study for Piti 41 MW diesel generator plant site.
- Water Supply and Discharge Agreement signed.
- Approval of research design for boring of proposed site in Piti for diesel generator relocation
- Approval of Archaeological Monitoring & Discovery Plan for pipeline construction
- Public Law 36-91 was signed on 4/11/22 for exemption of construction of Reserve Facility in Piti.
- GHPO Concurrence of Section 106 of the bull cart trails
- Land Lease Agreement was signed by Governor, Lt. Governor and Attorney General on July 6, 2022
- Geotechnical boring test report at the Piti site completed.
- GPA approves remaining Phase 5 & 6 construction permits.

Ongoing / Pending:

- Archaeological & Cultural Requirements:
  - ✓ Section 106 process for cultural survey on Navy properties (Harmon Substation) revised submitted being delivered to SHPO for final approval. Navy to complete NEPA documents upon final approval once SHPO provides review response to allow for construction activities on the bull cart trails along pipeline route and in the Harmon Substation.
  - ✓ Archaeological monitoring for pipeline construction work (Chaot & Nimitz areas).

Critical Path & Risk Items

Cultural Survey
(SHPO Approvals Required)
- Section 106 process required for Navy properties

Delays on Permit Approvals
- Construction Permits
- Air Permit (Reserve Facility)
- NPDES Permit

Construction Mitigation
- For any wetland, biological, cultural or other findings during construction (unknowns)

41 MW Reserve Facility
- Discussions of revised scope due to increased contracting cost.

General Manager's Report (cont'd)

8. New Power Plant Update: GPA Activities *(continued)*

- Water & Wastewater Requirements:
  - ✓ Change of Law issues due to update GWA NPDES permit affecting discharge of wastewater from cooling system. Follow up with GWA on the NPDES permit modification.
- Construction Permit & Drawing Reviews:
  - ✓ Interconnection and pipeline design documents are being reviewed for approval.
- Reserve Facility:
  - ✓ Revised scope provided and being evaluated.
- Air Permit Support:
  - ✓ Assisting with information to support the Reserve Facility permit. GPA to modify Piti 8&9 permit to reduce operating hours allowing planned operational support for the new Piti plant.
    - ✓ Permitting on hold pending resolution on Reserve Facility
- Other:
  - ✓ Project Schedule review is ongoing.
  - ✓ Coordination with Navy on excavation activities for pipeline construction
  - ✓ Attending transportation logistic meetings for heavy transport to Ukudu from Port.
  - ✓ GPA continues with researching easement options to move new pipelines further away from waterways (Sinajana)
  - ✓ GPA working with contractor regarding MEC investigation due to finding of ordnance in Nimitz pipeline route.

GUAM CCU

GUAM POWER AUTHORITY GPA POWER TO SERVE

General Manager's Report (cont'd)

8. New Power Plant Update: GUP Activities (Contractor)

Completed:

- EPC Contract – Doosan
- Height Variance for Ukudu Site
- Financing Contracts Signed – Equity Bridge Loan in place. Senior loan requires air permit and land lease legislation for funds drawdown.
- Down payment to Siemens to secure Turbine Order (long lead item)
- Survey Maps for land lease recorded at Dept. of Land Management
- Phase I for Ukudu Plant construction permit approved. Foundation work is ongoing.
- GUP issues Notice to Proceed to EPC on May 31, 2022.
- Land Lease Agreement was signed by Governor, Lt. Governor and Attorney General on July 6, 2022
- GEPA approves and issues Ukudu Air Permit on 7/20/22 during construction ground-breaking ceremony.
- KEPCO/GUP achieves financial close on September 30, 2022.

Ongoing / Pending:

- Design / Permitting
  - ✓ Construction
    - Power Plant – 6 phases of design under review for permitting. Phase 2-6 pending approvals
    - Pipeline – design and material specifications under review.
    - Transmission Line – design and material specifications under review.
  - ✓ Air Permits
    - Piti Reserve Facility – USEPA approved netting plan with restrictions on Piti 8&9 to allow minor source permit. Application hold pending resolution on Reserve Facility revised scope.
- Procurement – initiating other equipment procurement
- Existing Pipeline Cleaning & Demolition – Pending Route 16 (Airport) to Route 34 evaluation of abandonment plan.
- Reserve Facility - Pending additional options for evaluation due to increased construction costs.

General Manager's Report (cont'd)

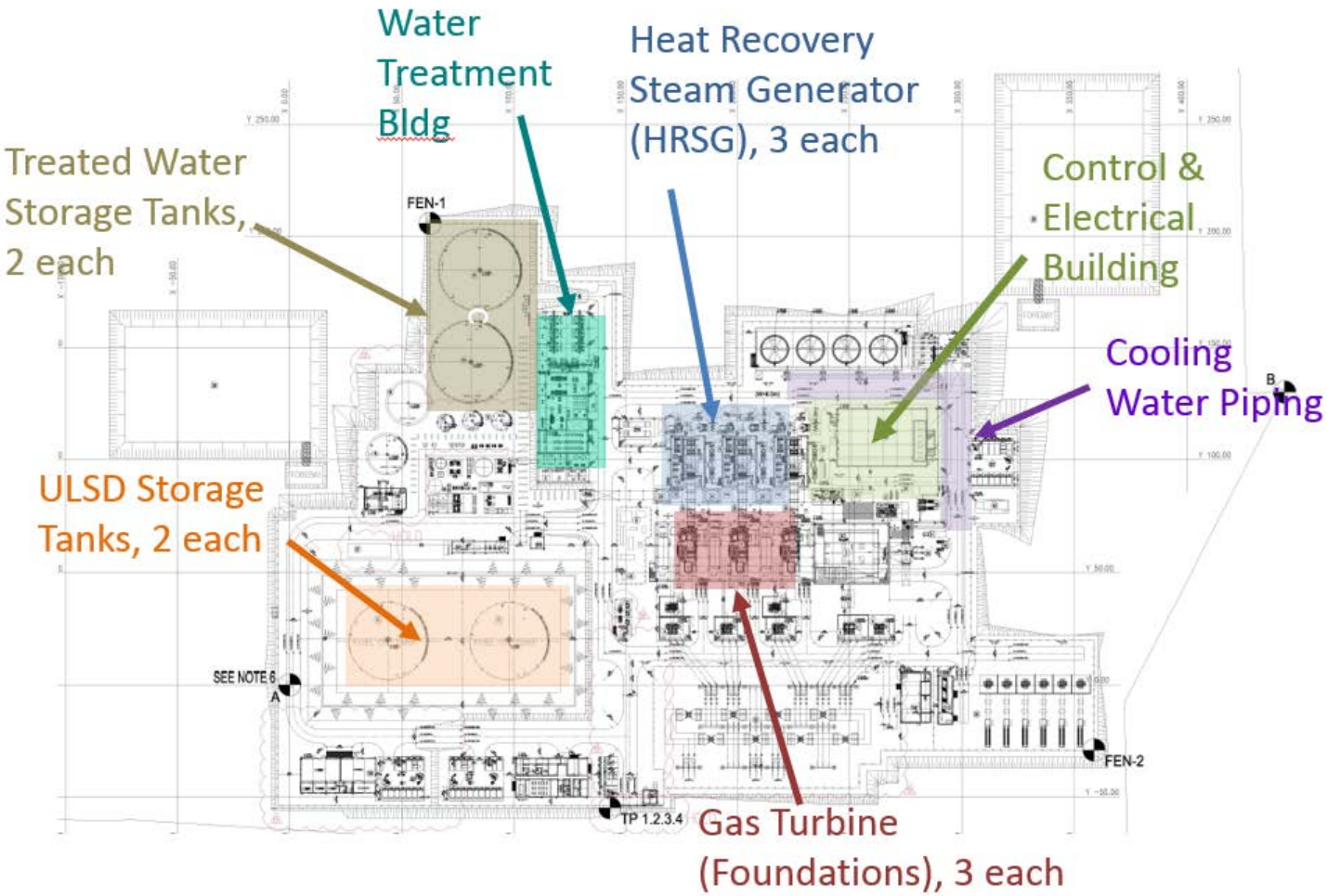
8. New Power Plant Update: GUP Activities (Contractor) *continued*

Ongoing / Pending: *(continued)*

- Schedule Update – Discussions concluded major long lead items have been ordered reducing schedule from delays on financial close.
  - HRSG modules were ready in August but delayed due to transportation plant to Ukudu site. Expected arrival on Guam is early October.
- Transportation Logistics – EPC continues to work with DPW on transport plan from Port to Ukudu site.
  - Bridge analysis dictating required transport equipment.
  - Temporary bridge to be delivered in October as required by DPW as backup for any bridge damage due to limited alternate routes in some areas.
  - Transportation will take several hours over several days to move HRSG modules and will affect traffic during movement.
  - Weekly meetings being held to discuss plans and requirements.
  - 25 heavy cargo movements expected thru April 2022

Ukudu Power Plant Construction Status

Construction work ongoing with Control & Electric Building, Heat Recovery Steam Generator foundation, Fuel Storage Tanks, Cooling Water Piping, Water Treatment Tanks, Gas Turbine Foundations, and Water Treatment Building progressing



Ukudu Power Plant Construction Status

Control & Electrical Building – Steel frames

Ukudu Power Plant Construction Status

Heat Recovery Steam Generator (HRSG) – Foundation work ongoing

HRSG (#1 of 3) Foundation work

HRSG (#2 of 3)

HRSG (#3 of 3) Foundation work

Ukudu Power Plant Construction Status

ULSD Storage Tank #1 – Form removal

ULSD Storage Tank #2 – Liner installation

Ukudu Power Plant Construction Status

Cooling Water Piping – Pump foundation

Ukudu Power Plant Construction Status

Treated Water Storage Tanks 1 & 2 – foundation work and steel floor

Water Treatment Building - Foundation

Ukudu Power Plant Construction Status

Gas Turbines Foundations

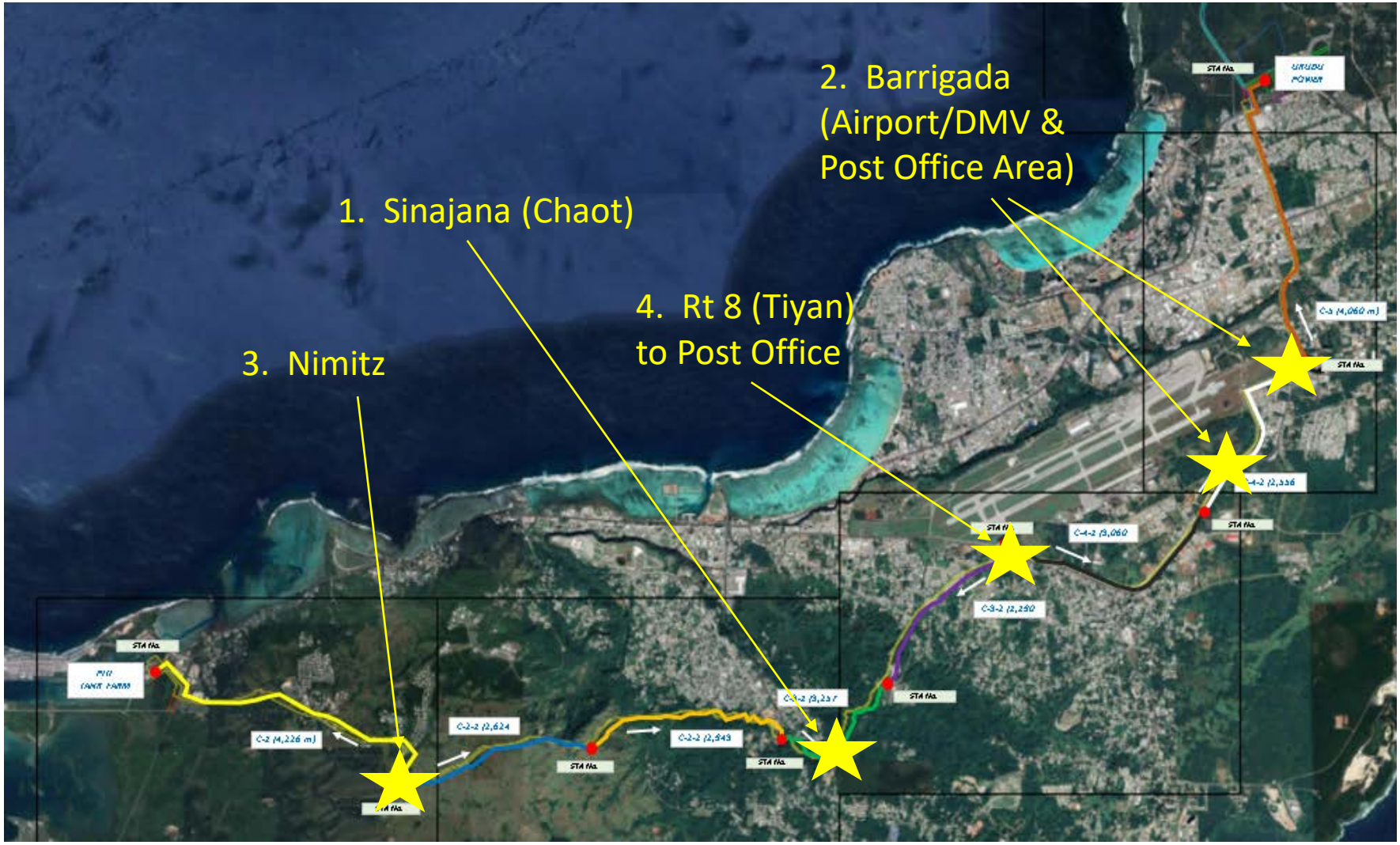
GT #1 & #2

GT #3

Ukudu Power Plant Construction Status

Steam Drums onsite

Fuel Pipeline Construction Status



Fuel Pipeline Construction Status

1. Chaot area (100 M)

Backfill and compacting testing completed.

2. Barrigada – Near Post Office

Excavation towards Airport completed. Pipe installation ongoing

2. Barrigada - Airport / Across DMV

All excavation within Airport fencing completed. Continued pipe & fiber installation and backfill

Fuel Pipeline Construction Status

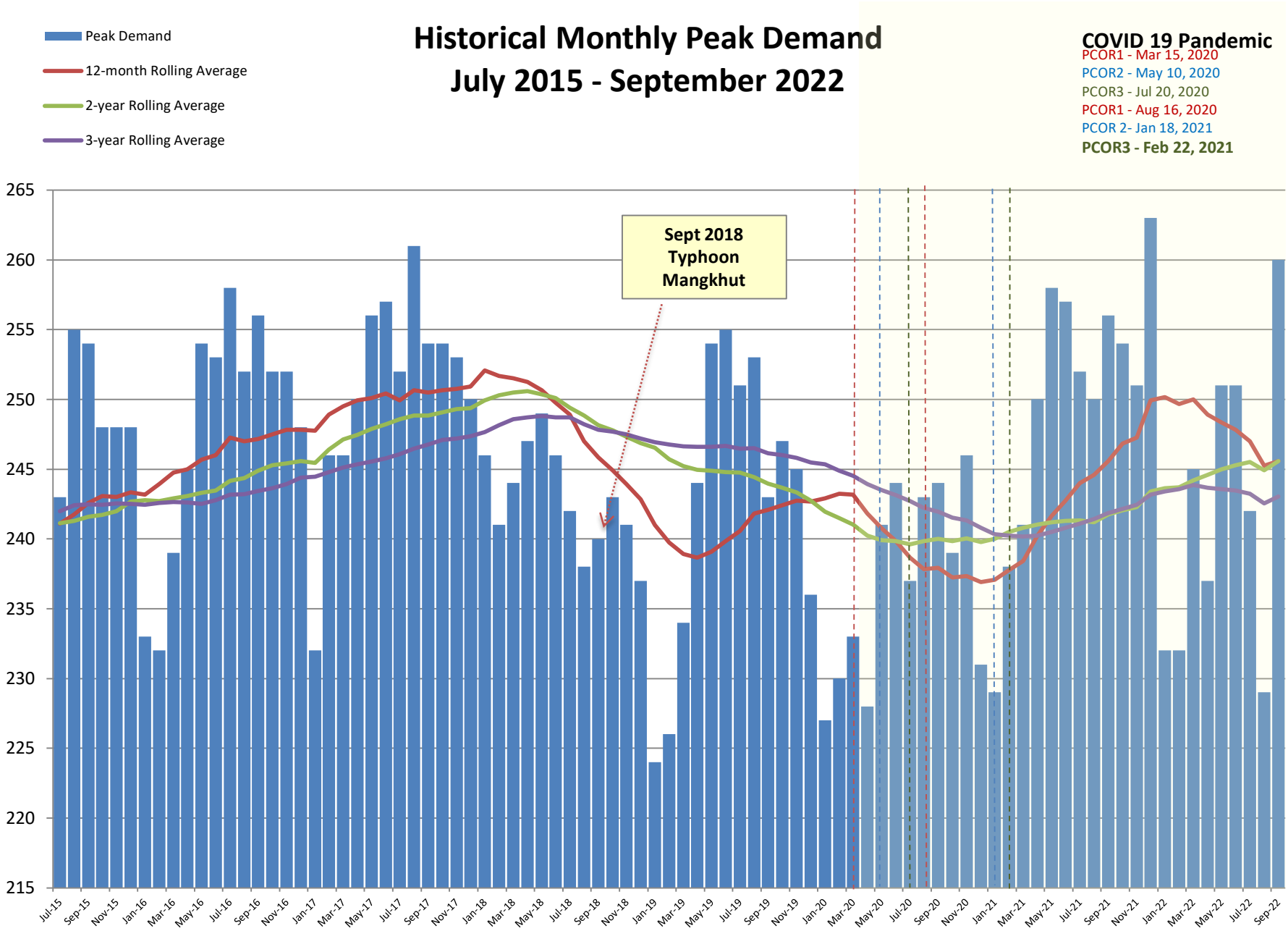
3. Nimitz

Excavation on hold due to address MEC finding. Cathodic protection zinc ribbon was installed. Contractor having to address flooding and trench issues due to weather.

4. Rt 8 (Tiyan) to Post Office

Excavation starting exposing existing fuel line.

9. Generation KPIs Update September 2022


Historical Monthly Peak Demand
July 2015 - September 2022
Peak Demand
12-month Rolling Average
2-year Rolling Average
3-year Rolling Average
COVID 19 Pandemic
PCOR1 - Mar 15, 2020
PCOR2 - May 10, 2020
PCOR3 - Jul 20, 2020
PCOR1 - Aug 16, 2020
PCOR 2- Jan 18, 2021
PCOR3 - Feb 22, 2021
Sept 2018 Typhoon Mangkhut
265
260
255
250
245
240
235
230
225
220
215
Jul-15
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Nov-15
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Mar-16
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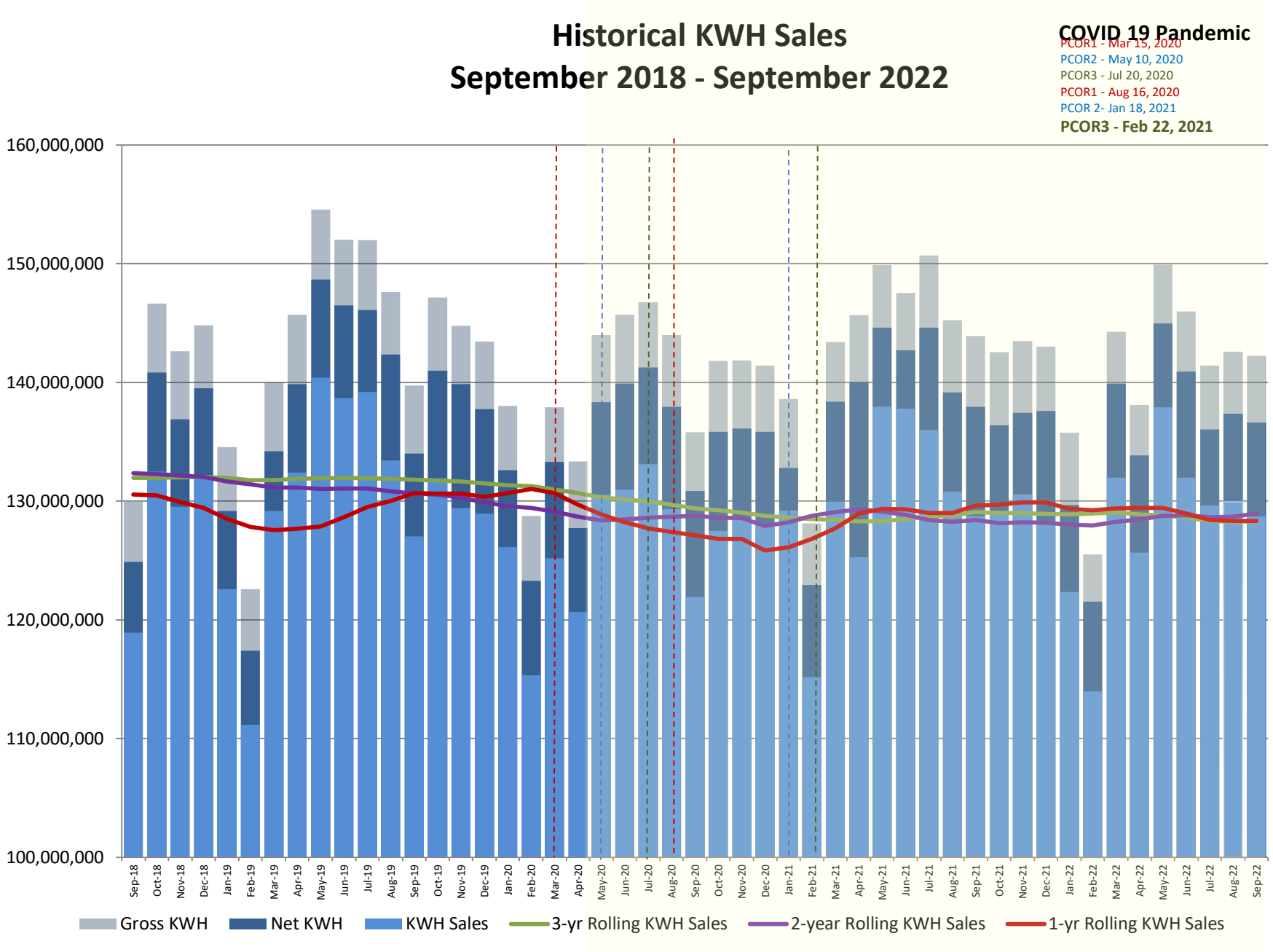
Historical KWH Sales
September 2018 - September 2022
COVID 19 Pandemic
PCOR1 - Mar 15, 2020
PCOR2 - May 10, 2020
PCOR3 - Jul 20, 2020
PCOR1 - Aug 16, 2020
PCOR 2- Jan 18, 2021
PCOR3 - Feb 22, 2021
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140,000,000
130,000,000
120,000,000
110,000,000
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Oct-18
Nov-18
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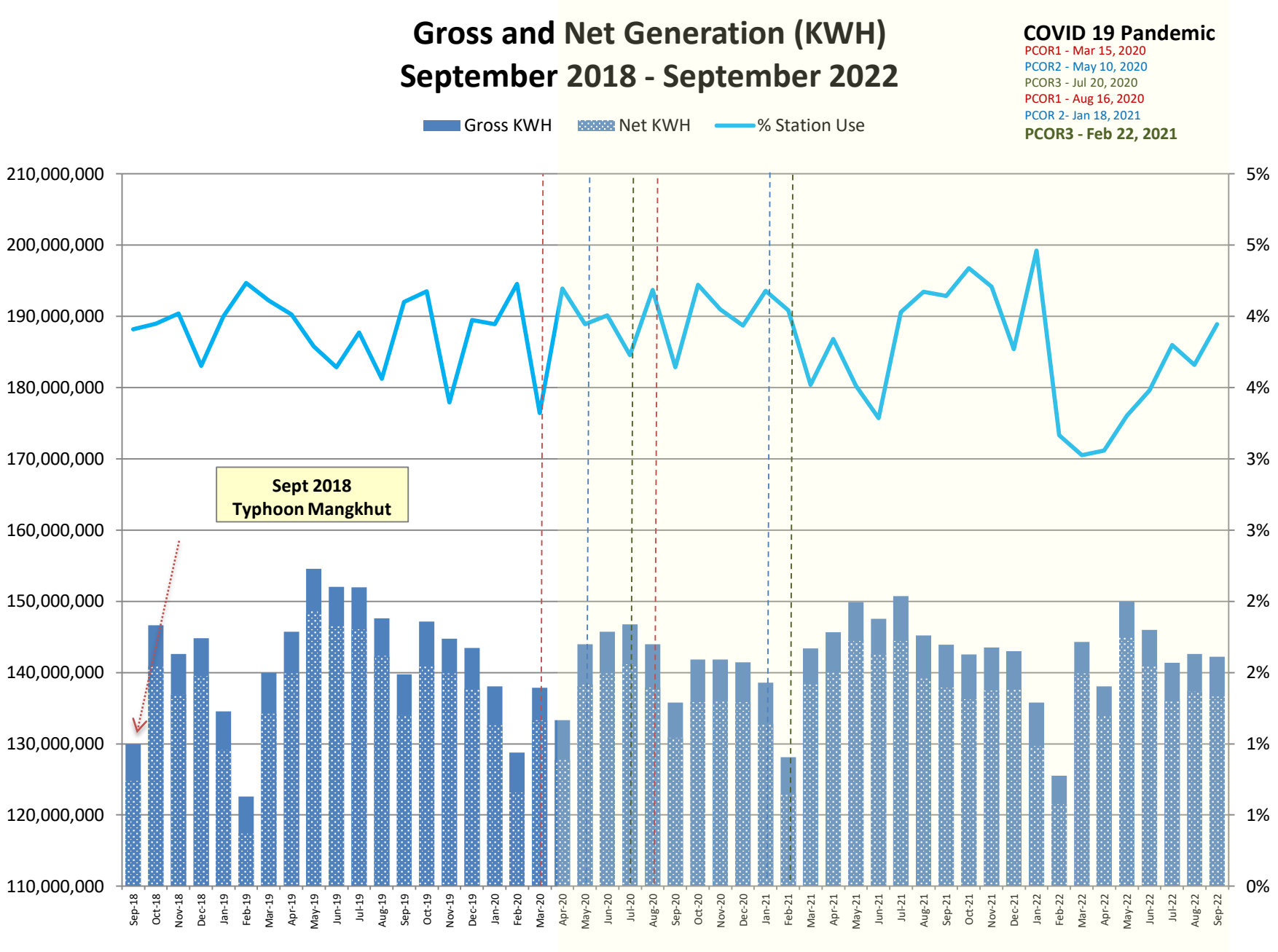
Jun-22
Jul-22
Aug-22
Sep-22
Gross KWH
Net KWH
KWH Sales
3-yr Rolling KWH Sales
2-year Rolling KWH Sales
1-yr Rolling KWH Sales


Gross and Net Generation (KWH)
September 2018 - September 2022
COVID 19 Pandemic
PCOR1 - Mar 15, 2020
PCOR2 - May 10, 2020
PCOR3 - Jul 20, 2020
PCOR1 - Aug 16, 2020
PCOR 2- Jan 18, 2021
PCOR3 - Feb 22, 2021
Gross KWH
Net KWH
% Station Use
Sept 2018
Typhoon Mangkhut
210,000,000
200,000,000
190,000,000
180,000,000
170,000,000
160,000,000
150,000,000
140,000,000
130,000,000
120,000,000
110,000,000
5%
5%
4%
4%
3%
3%
2%
2%
1%
1%
0%
Sep-18
Oct-18
Nov-18
Dec-18
Jan-19
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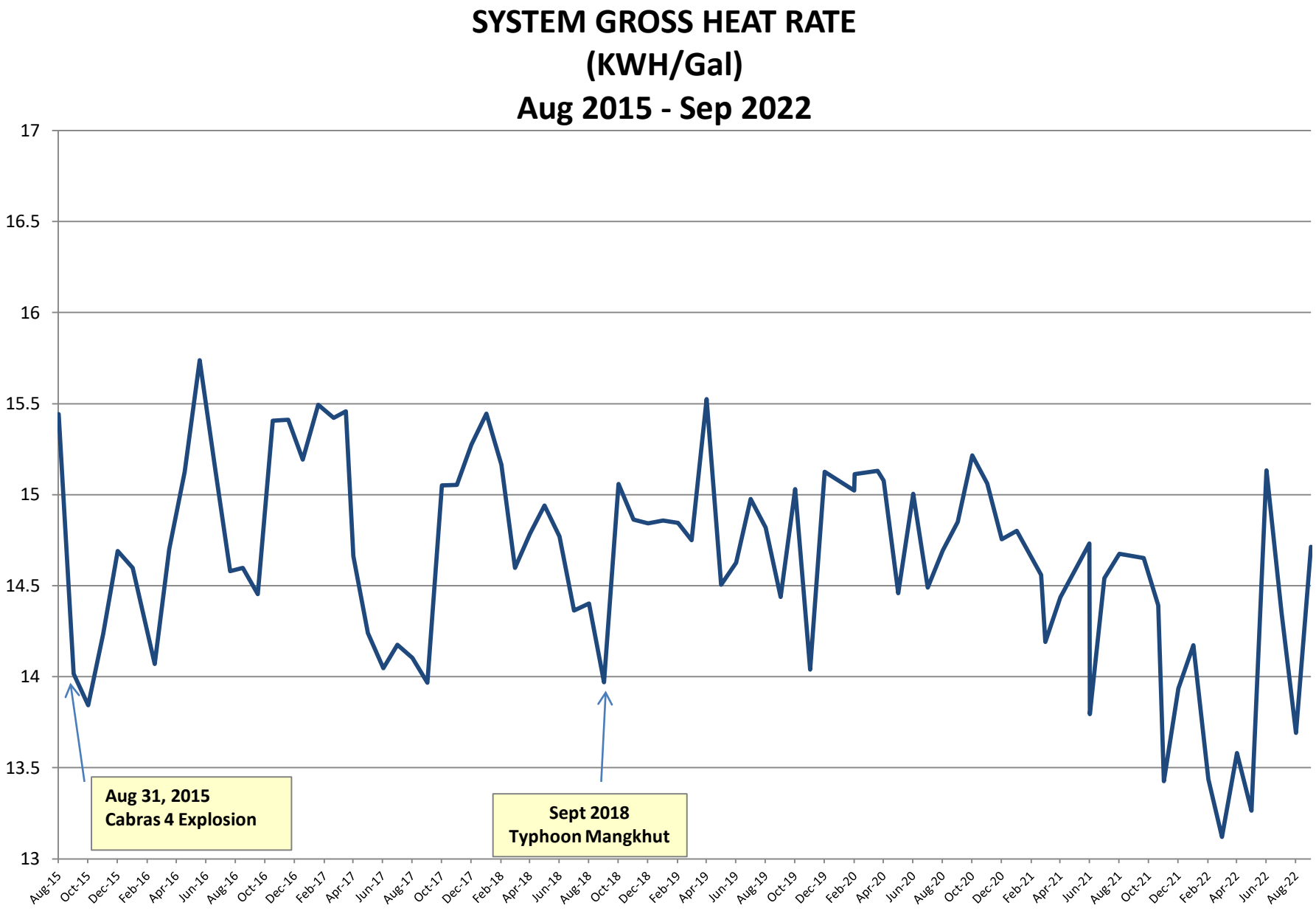
Aug-22
Sep-22


SYSTEM GROSS HEAT RATE
(KWH/Gal)
Aug 2015 - Sep 2022
17
16.5
16
15.5
15
14.5
14
13.5
13
Aug 31, 2015
Cabras 4 Explosion
Sept 2018
Typhoon Mangkhut
Aug-15
Oct-15
Dec-15
Feb-16
Apr-16
Jun-16
Aug-16
Oct-16
Dec-16
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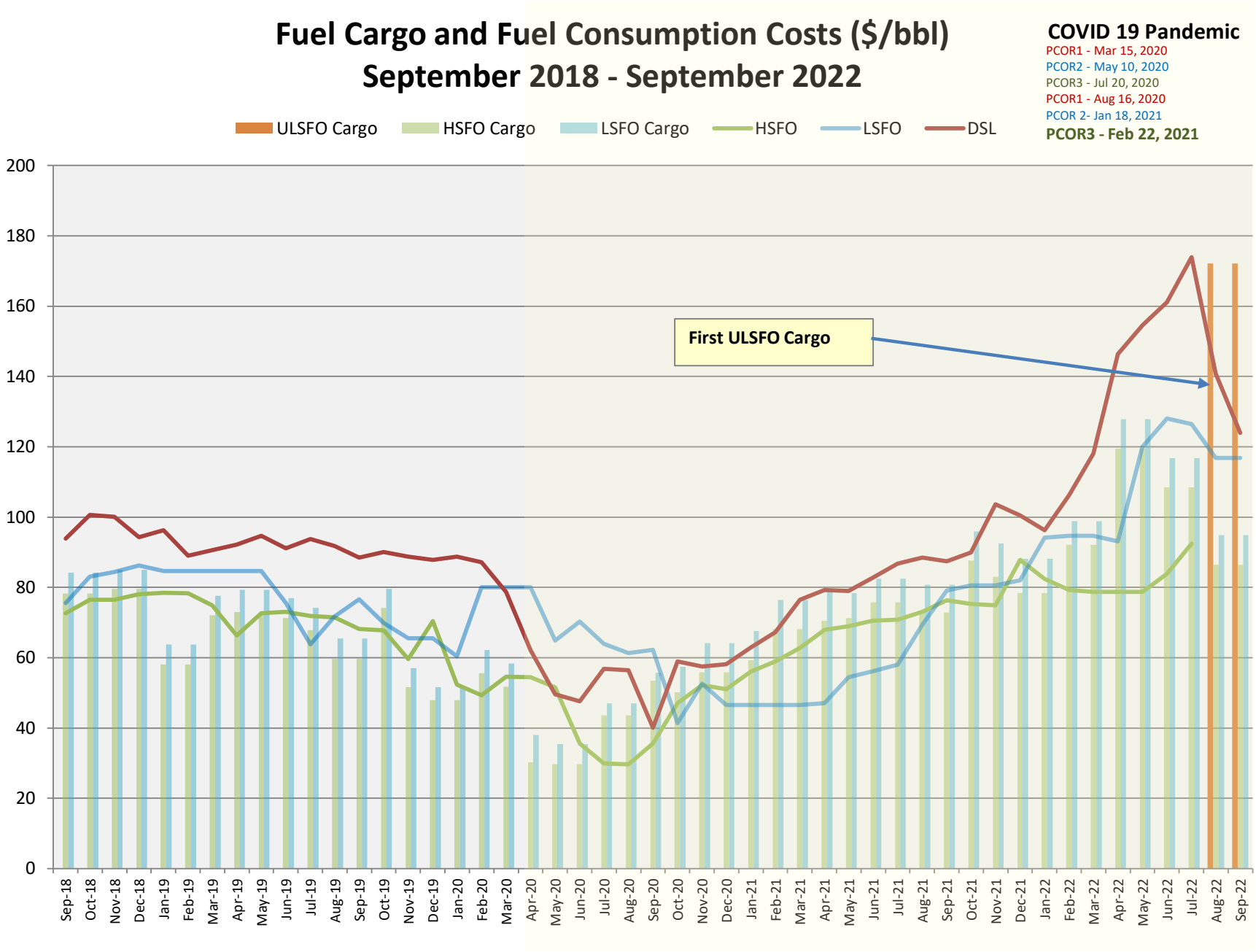
Jun-22
Aug-22


Fuel Cargo and Fuel Consumption Costs ($/bbl)
September 2018 - September 2022
COVID 19 Pandemic
PCOR1 - Mar 15, 2020
PCOR2 - May 10, 2020
PCOR3 - Jul 20, 2020
PCOR1 - Aug 16, 2020
PCOR 2- Jan 18, 2021
PCOR3 - Feb 22, 2021
ULSFO Cargo
HSFO Cargo
LSFO Cargo
HSFO
LSFO
DSL
First ULSFO Cargo
200
180
160
140
120
100
80
60
40
20
0
Sep-18
Oct-18
Nov-18
Dec-18
Jan-19
Feb-19
Mar-19
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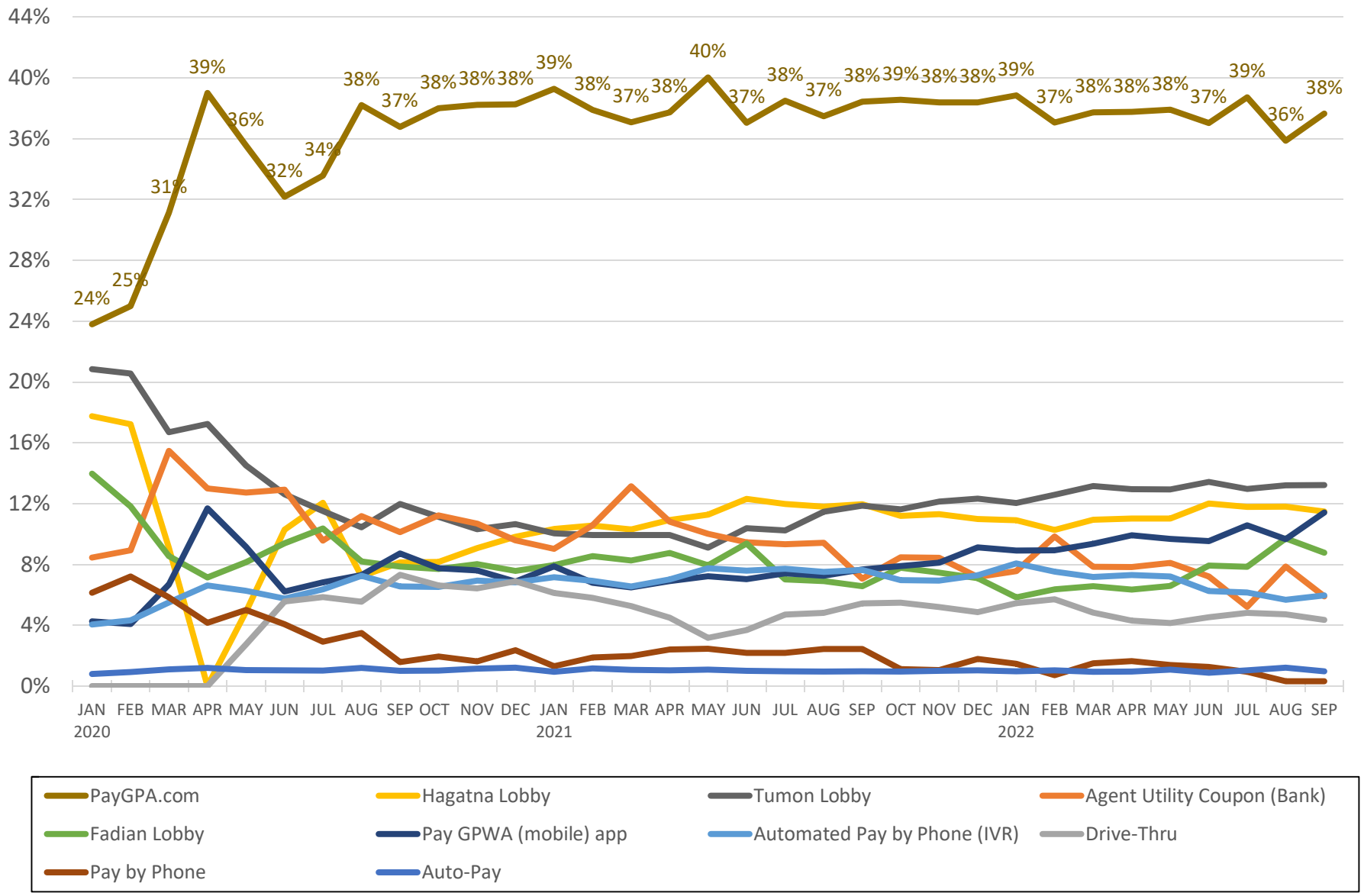
Jul-22
Aug-22
Sep-22

Customer Service (Administration Division)

Percentage of transactions by collection point
January 2020 - September 2022

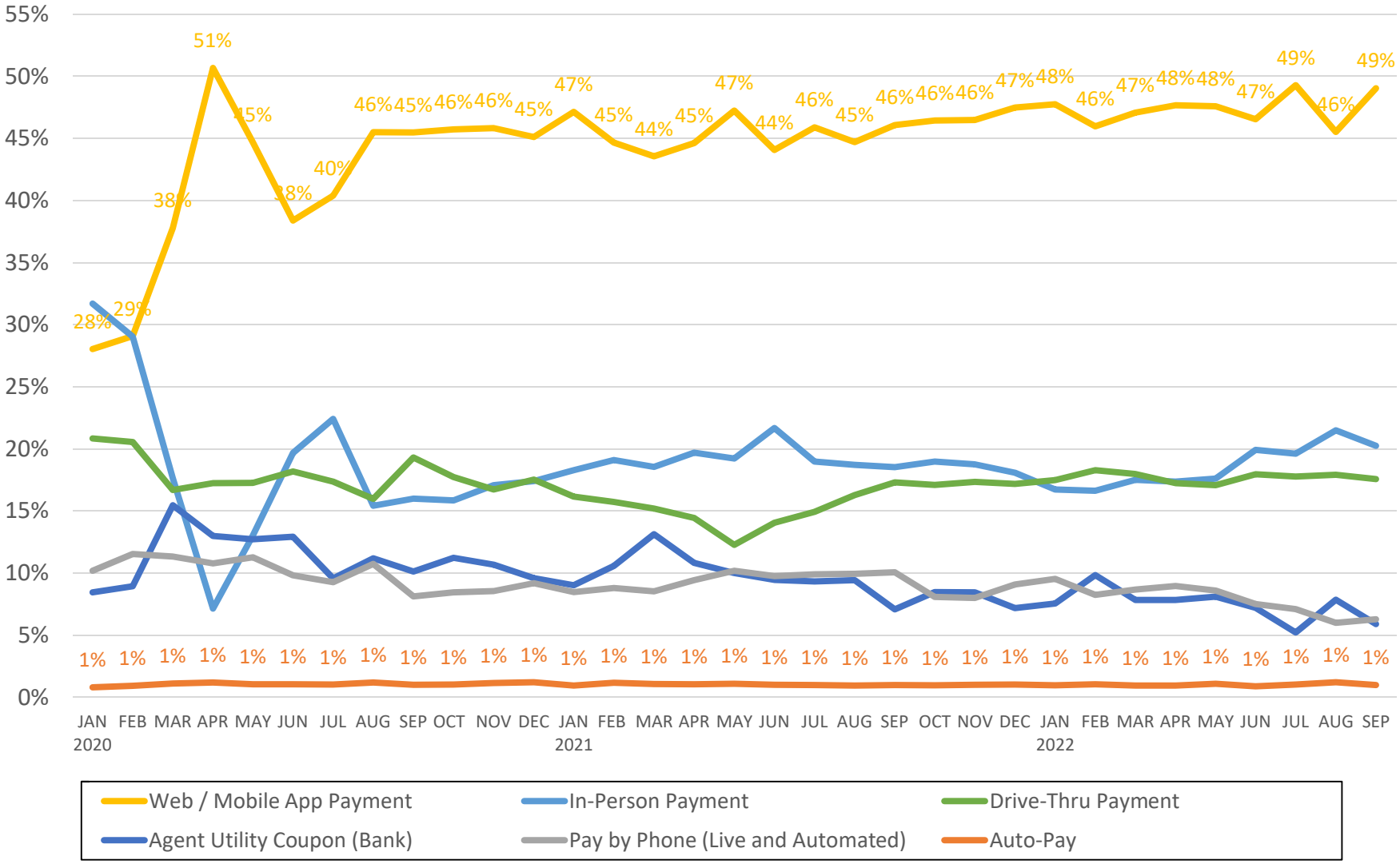


Customer Service (Administration Division)

Percentage of transactions by collection platform type

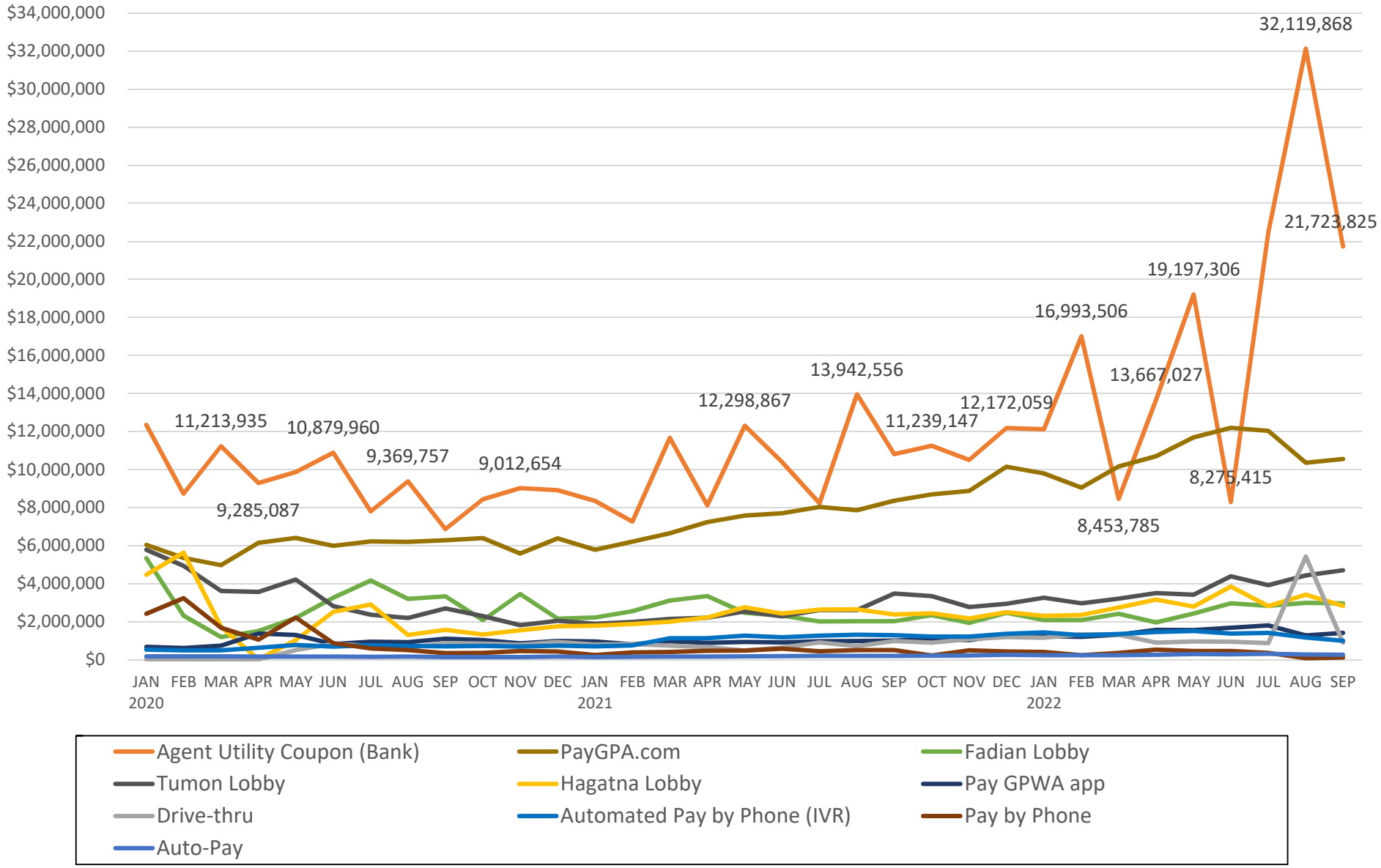
(KPI 1.2.4 – Increase web, pay-by-phone, and prepay payments)

January 2020 - September 2022



Customer Service (Administration Division)

Dollar amount collected per collection point
January 2020 - September 2022

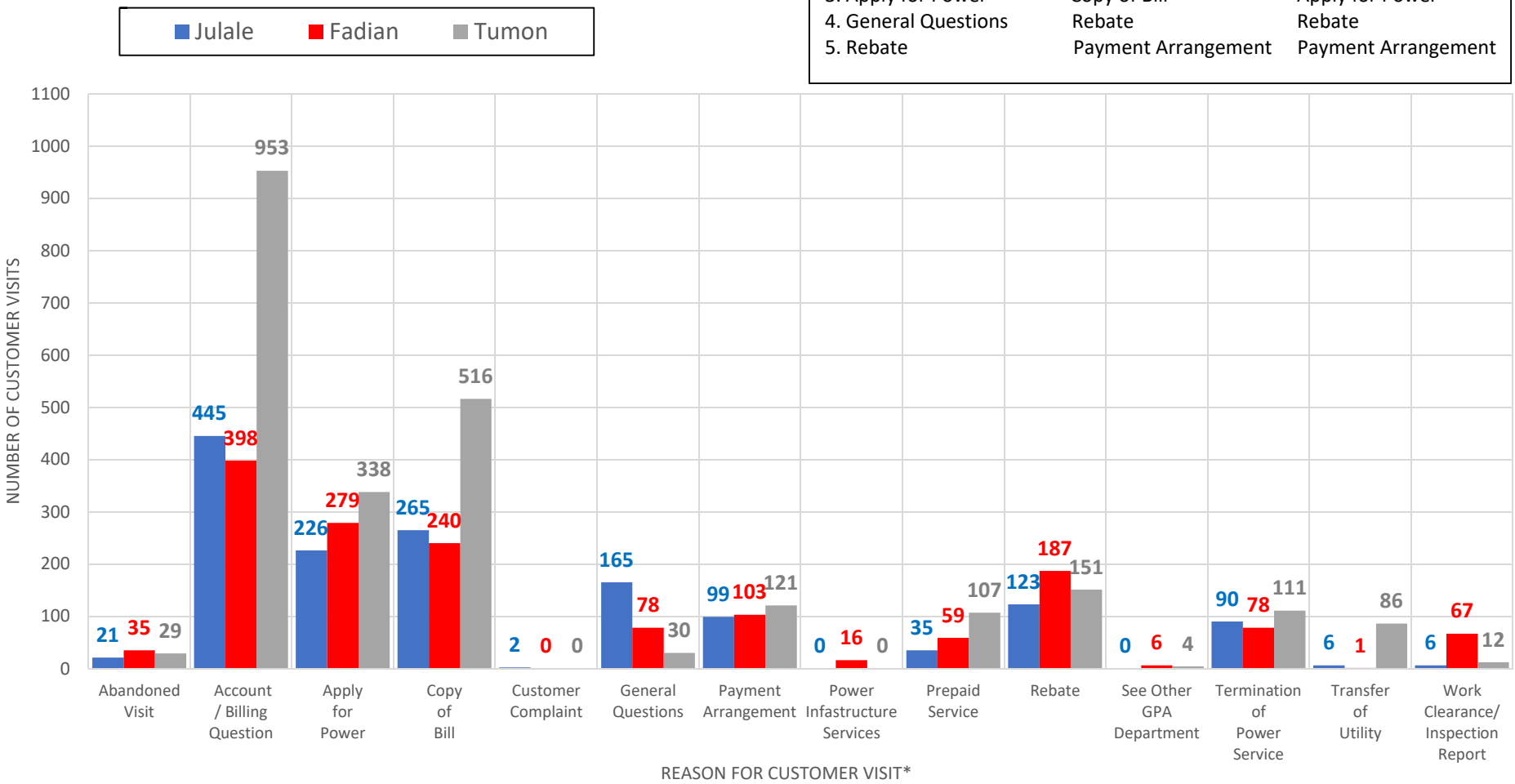


Customer Service (Administration Division)

Reason for Visit by Location
September 2022

Top 5 Reasons for Visit by Location

Hagatna	Fadian	Tumon
1. Acct / Billing Question	Acct / Billing Question	Acct / Billing Question
2. Copy of Bill	Apply for Power	Copy of Bill
3. Apply for Power	Copy of Bill	Apply for Power
4. General Questions	Rebate	Rebate
5. Rebate	Payment Arrangement	Payment Arrangement

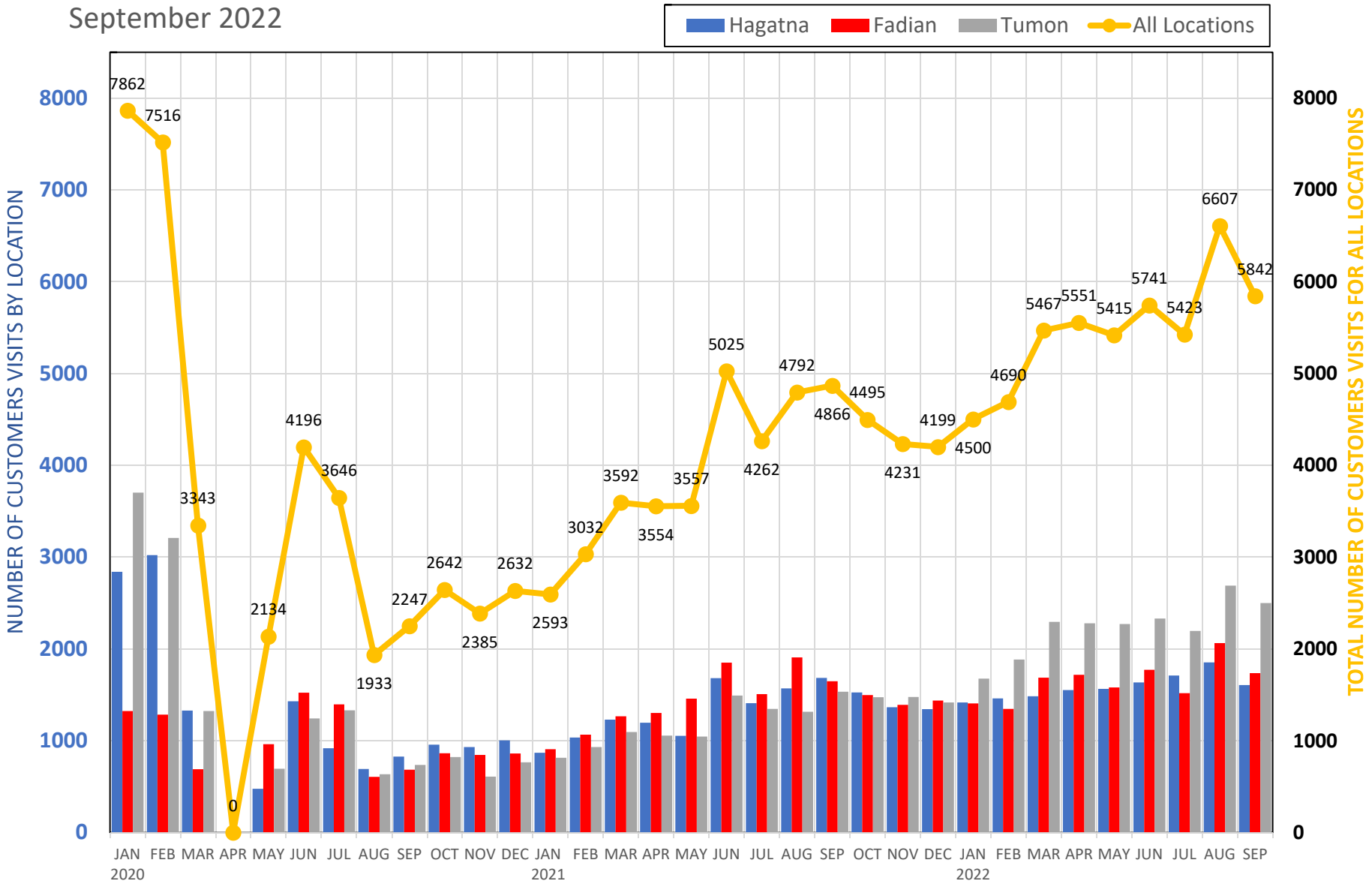


*Each count per **Reason for Customer Visit** represents a customer who visits one of our lobbies. During their visit, the customer will only be counted once, regardless of the number of services provided to the customer. Their reason for visit will be coded based on their initial or primary reason for visit. Each reason for customer visit option shall include but not be limited to, an inquiry of service, submission of an application, submission of multiple applications, submission of supporting documents, customer question regarding the service, customer follow-up, etc.

Customer Service (Administration Division)

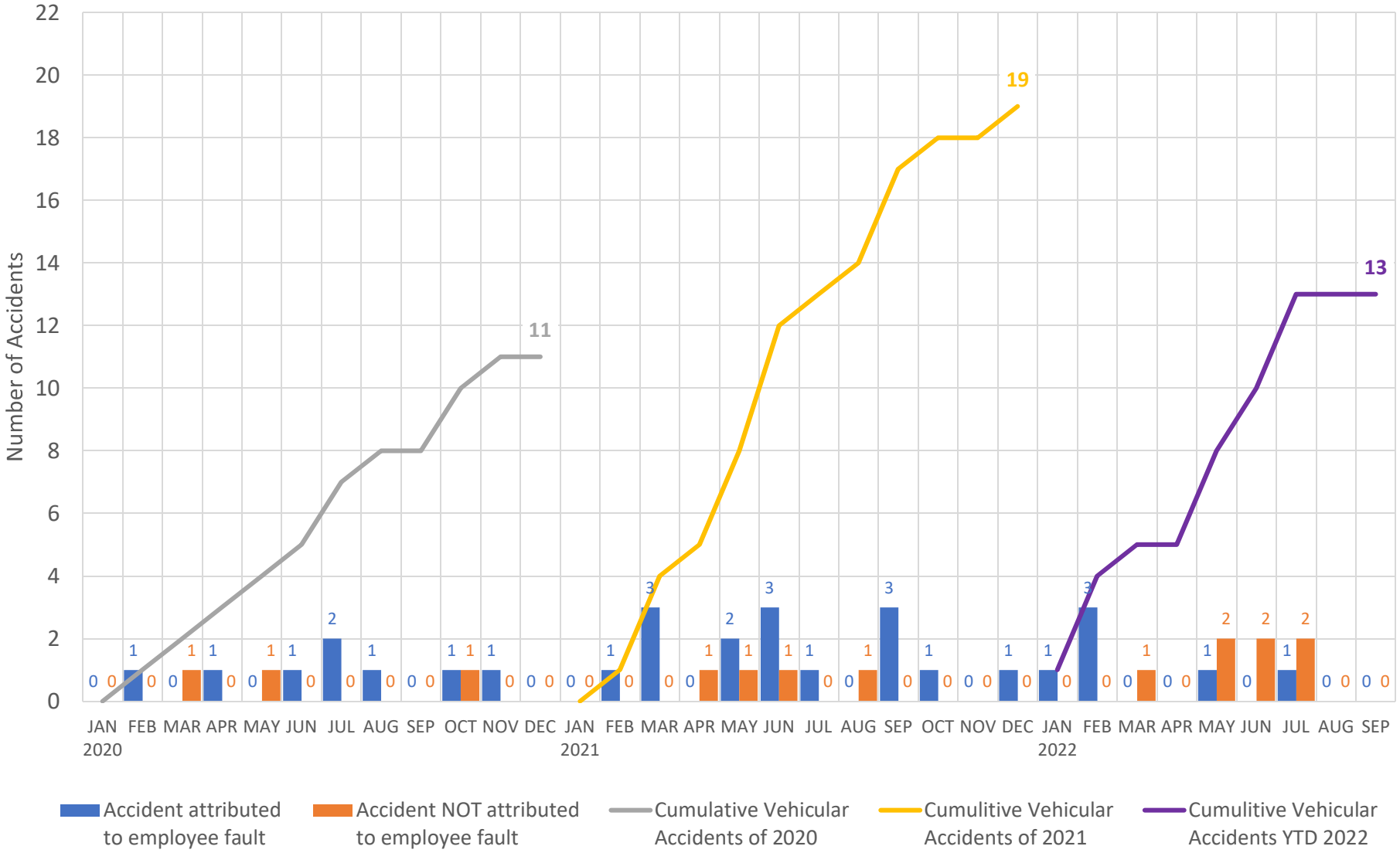
Lobby Traffic by Location (KPI 1.2.3. Reduce Service Center Traffic)

September 2022



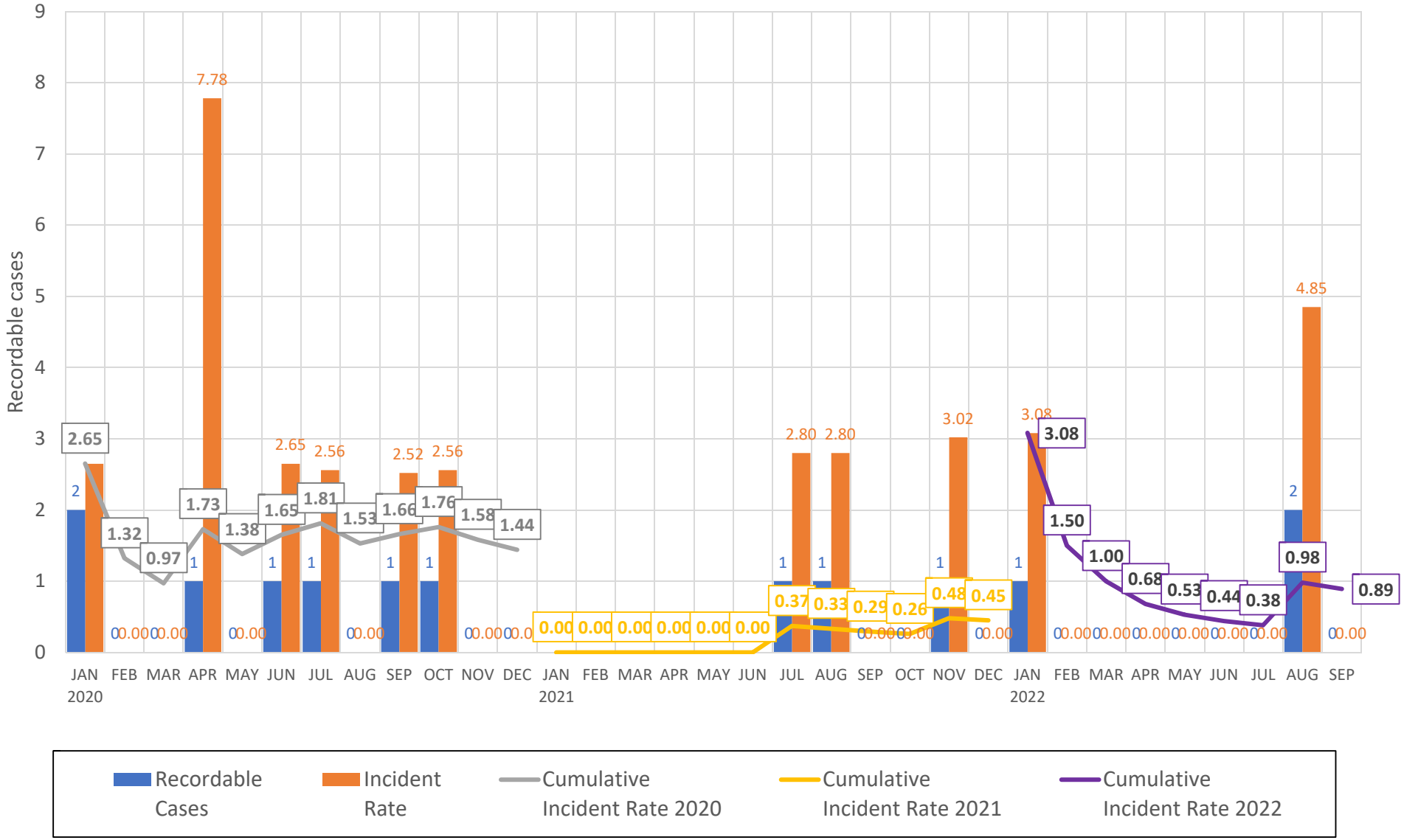
Safety (Administration Division)

Vehicular Accidents
September 2022



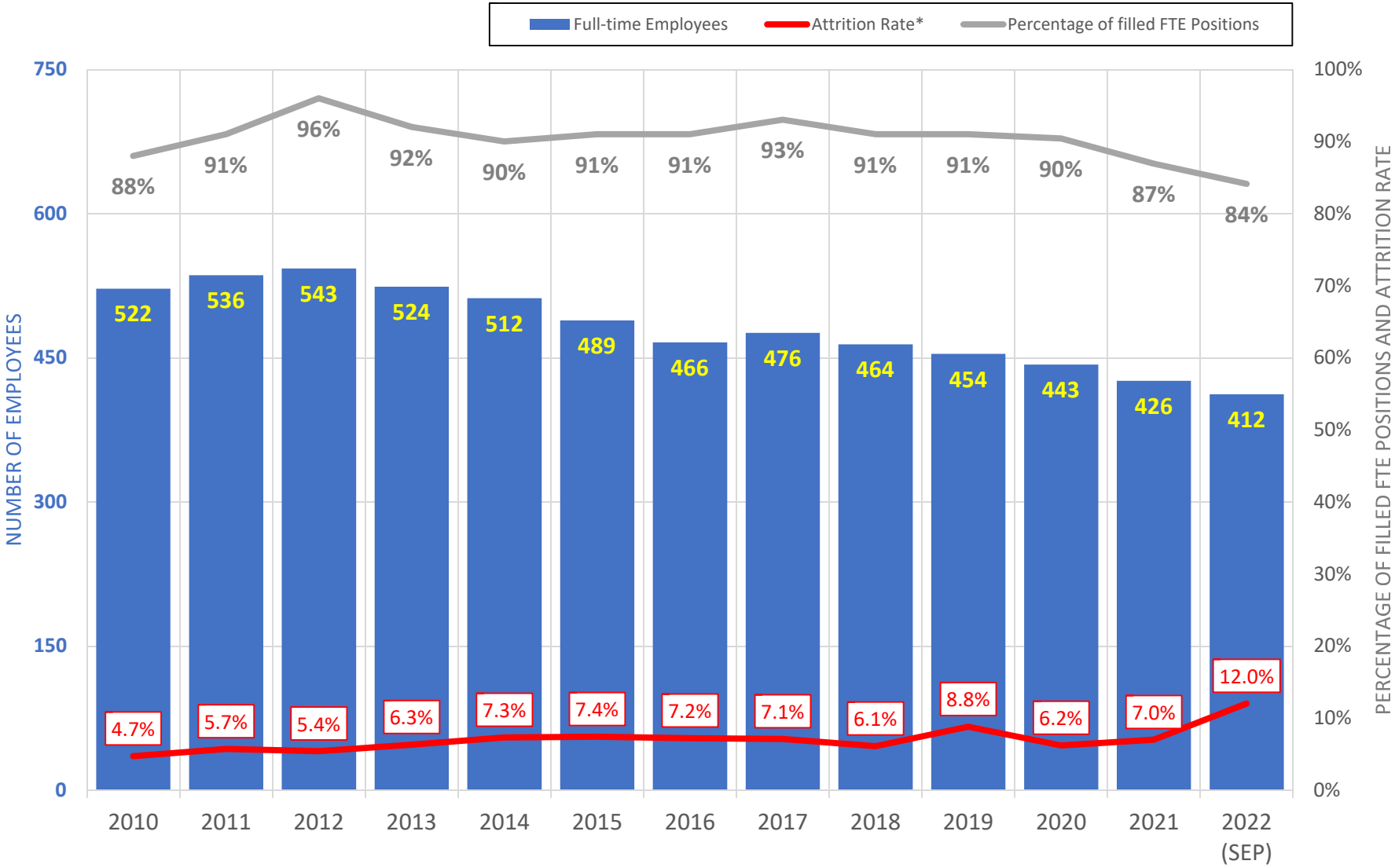
Safety (Administration Division)

Incident Rate
September 2022



Human Resources (Administration Division)

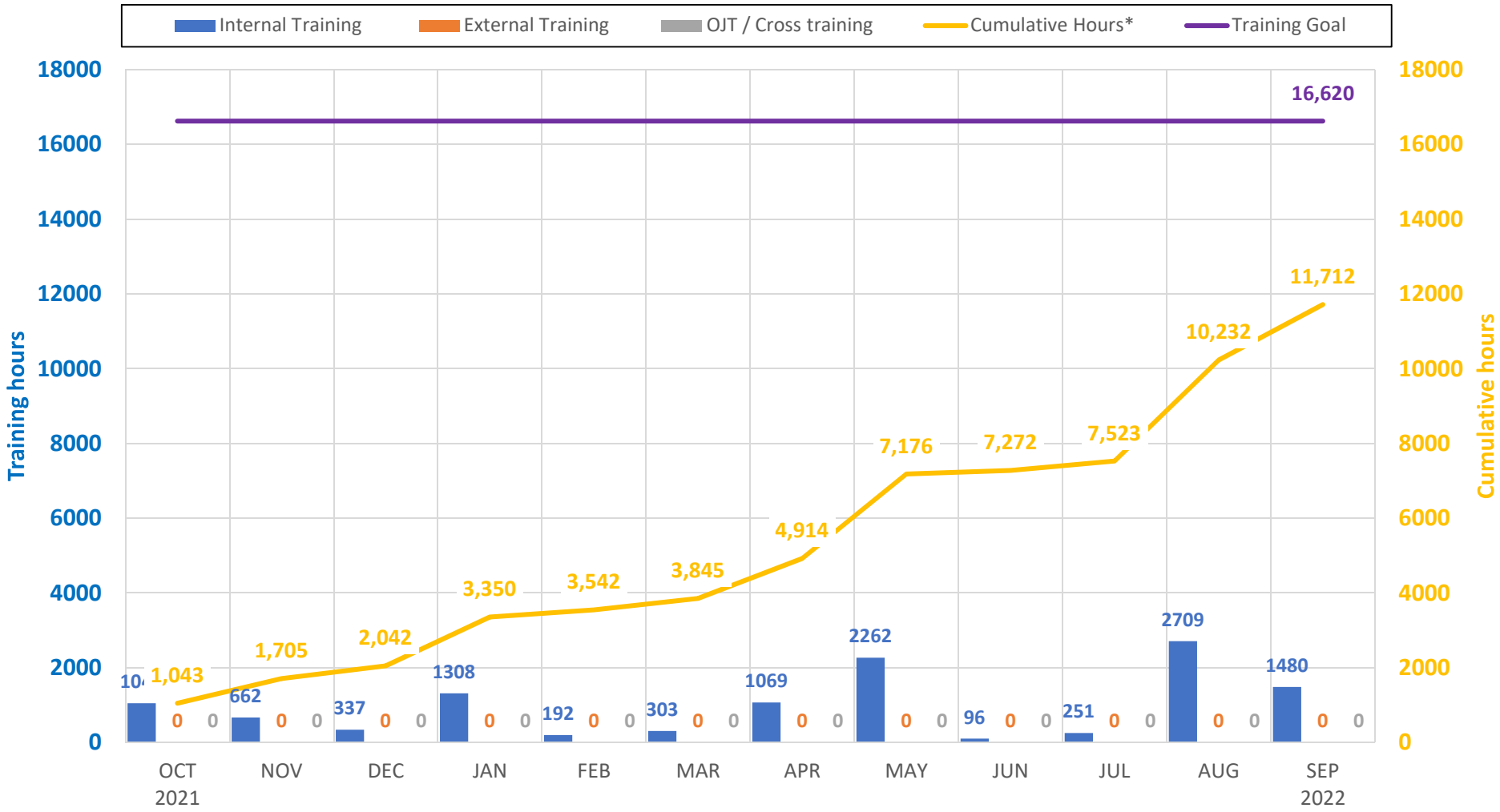
Recruitment Analysis
September 2022 (FY 2022)



*Attrition rate is calculated by dividing the sum of resignations, retirements, deaths, and terminations by the total filled FTE positions.

Human Resources (Administration Division)

Cumulative Training Hours for Fiscal Year 2022
as of September 2022



*For fiscal year 2022, the training goal has been set at 16,620 hours, 2% of total straight (831,013 hours) worked for FY 2021. As of September 2022, GPA has achieved **70.47%** progress towards its cumulative hours training goal.

Human Resources (Administration Division)

Attrition listing

4th Quarter – FY 2022

Probational Appointments

Date of Hire	Name of Employee	Position reclassified to	Section	Division
August 1, 2022	Taryn C. Guzman	Personnel Specialist IV	Human Resources	AGMA
August 29, 022	Luana T. C. Meno	Personnel Specialist IV	Human Resources	AGMA

Reclassifications / Promotions

Date of Reclassification	Name of Employee	Position reclassified to	Section	Division
July 17, 2022	Dwayne E. Aquino	Plant Maintenance Mechanic Leader	Generation	AGMO
July 17, 2022	Jay A. Aguero	Plant Electrician Leader	Generation	AGMO

Transfer & Promotion

Date of Promotion	Name of Employee	Position promoted to	Section	Division
July 14 , 2022	Joshua D. Manibusan	Personnel Specialist IV	Human Resources	AGMA
August 30, 2022	Joleen Cruz	Administrative Officer	Public Info. Office	Executive

In-House Training Program

Date of Hire	Name of Employee	Position	Section	Division
August 7, 2022	Weneisom Landstrom	Trainee, Plant Operator – Maint. Worker	Generation	AGMO

Human Resources (Administration Division)

Attrition listing

4th Quarter – FY 2022

Resignation / Separations

Date of Resignation/ Separation	Name of Employee	Position	Section	Division
July 15, 2022	Frank E. Santos	Plant Instrument Technician Leader	Generation	AGMETS
July 29, 2022	Jay Curtis N. Mesa	Electric Power System Dispatcher I	PSCC	AGMO
August 6, 2022	Weneisom Landstrom	Safety Inspector I	Safety	AGMA
August 6, 2022	Shane B. Tenorio	Line Electrician II	T&D/Underground	AGMO
August 26, 2022	Jamie A. Alicto	Utility Cashier I	Cash Management	CFO
September 14, 2022	Jeremy Ryan B. Garrido	Storekeeper II	Warehouse	AGMA

Retirements

Date of Retirement	Name of Employee	Position	Section	Division
July 1, 2022	Honorio O. Estira Jr.	Special Projects Engineer	Engineering (Project Management)	AGMETS
July 2, 2022	Marcelo D.G. Limfueco	Plant Maintenance Mechanic II	Generation (Cabras 1&2)	AGMO
September 10, 2022	Florencio L. Celeste	Plant Operator / Maintenance Worker II	Generation (CT)	AGMO
September 13, 2022	William P. Bennett	Plant Operator / Maintenance Supervisor	Generation (Diesel Parent)	AGMO
September 23, 2022	David G. Pangelinan	Plant Electrician II	Water Systems	AGMO
September 23, 2022	Jose S. Sanchez	Plant Electrician II	Generation (Diesel Parent)	AGMO
September 24, 2022	Vincent C. Mantanona	Electrician Troubleshooter	T&D (Overhead)	AGMO
September 29, 2022	Nelson N. Pinaauan	Meter Electrician II	T&D (Meter Relay)	AGMO
September 29, 2022	Lucas M. Ogo	Engineer Technician II	Engineering (Distribution)	AGMETS
September 30, 2022	Anthony R. Santos	Power Plant Maintenance Superintendent	Generation (Central Maint.)	AGMO
September 30, 2022	Thomas J. G. Palomo	Power Systems Superintendent	T&D (Underground)	AGMO

Procurement (Administration Division)

Notable **RFP** monthly status update
September 2022

RFP NO.	DESCRIPTION	DATE ADVERTISTED	RFP Closing	STATUS (as of 09/30/2022)
GPA-RFP-21-008	Application support services	09/09/2021 09/16/2021	10/07/2021 @ 4pm	On hold: Pending management approval
RE-SOLICITATION GPA-RFP-21-010	Engineering, Procurement & Construction Management (EPCM) Contract	03/24/2022 03/31/2022	05/06/2022 @ 4pm	In progress: Pending price proposal submission, due 09/29/2022
GPA-RFP-22-004	Utility Resource Planning Software	04/21/2022 04/28/2022	05/19/2022 @ 4pm	In progress: Pending bid committee clarification memo
GPA-RFP-22-005	GPA Independant Financial Audit Services	07/28/2022 08/04/2022	09/01/2022 @ 3pm	In progress: Pending price proposal, negotiation is on-going

Procurement (Administration Division)

Notable **IFB** monthly status update
September 2022

IFB NO.	DESCRIPTION	DATE ADVERTISTED	BID OPENING	STATUS (as of 09/30/2022)
Re-bid GPA-043-21	Protection Relays	07/12/2022 07/19/2022	08/03/2022 @ 11am	In progress: Under evaluation
Re-bid GPA-045-21	Integrated Communications Optical Network	07/12/2022 07/19/2022	08/10/2022 @ 10am	In progress: Under evaluation
Re-bid GPA-028-22	Streetlight Heads	07/19/2022 07/26/2022	08/09/2022 @ 10am	In progress: Under evaluation
Re-Bid GPA-036-22	Removal and Assembly of a New Gas Turbine Exhaust Plenum	05/19/2022 05/26/2022	07/14/2022 @ 10am	In progress: Amendment III – bid opening date 10/05/2022
Re-bid GPA-037-22	Plant Service Air Compressors	07/28/2022 08/04/2022	08/11/2022 @ 10am	In progress: Under evaluation
Re-bid GPA-038-22	Liquid Fuel Flow Divider	07/28/2022 08/04/2022	08/11/2022 @ 2pm	In progress: Under evaluation
GPA-043-22	Laptops	06/23/2022 06/30/2002	07/12/2022 @ 2pm	In progress: Under evaluation
GPA-045-22	Rugged Tablets	06/28/2022 07/05/2022	07/13/2022 @ 2pm	In progress: Bid under evaluation
GPA-046-22	Pole Mounted Transformers	06/23/2022 06/30/2022	07/13/2022 @ 11am	In progress: Bid under evaluation
GPA-047-22	Wire	07/12/2022 07/19/2022	08/04/2022 @ 10am	In progress: Under evaluation
GPA-048-22	Power Multi-function Measuring Instrument (PMM-1)	07/12/2022 07/19/2022	08/17/2022 @ 10am	In progress: Under evaluation

Procurement (Administration Division)

Notable **IFB** and **MS Bid** monthly status update
September 2022

IFB NO.	DESCRIPTION	DATE ADVERTISTED	BID OPENING	STATUS (as of 09/30/2022)
GPA-050-22	Piti 7 Fire Protection and Smoke Alarm System (Design) Build	08/25/2022 09/01/2022	10/11/2022 @ 10 am	In progress: Bid opening scheduled date 10/11/2022
GPA-051-22	Piti 7 Gas Turbine Power Plant with the Replacement of New and/or Refurbished Starting Diesel Engine	07/28/2022 08/04/2022	08/25/2022 @ 10 am	No bid solicitation (for re-bid 09/27/2022)
GPA-052-22	Miscellaneous Electrical Materials	08/23/2022 08/30/2022	09/14/2022 @ 2 pm	In progress: Pending evaluation
GPA-053-22	Pad Mounted Transformer	08/11/2022 08/18/2022	08/30/2022 @ 10 am	In progress: Under evaluation
GPA-054-22	Pad Mounted Transformer	08/23/2022 08/30/2022	09/07/2022 @ 10 am	In progress: Under evaluation
GPA-056-22	Local Courier Services	09/20/2022 09/27/2022	10/04/2022 @ 11 am	In progress: bid opening date 10/04/2022
GPA-057-22	Wires	08/30/2022 09/06/2022	09/14/2022 @ 10 am	In progress: Pending evaluation
Re-Bid MS-GPA-012-22	Diesel Fuel Oil No.2 for GPA's Water Systems Distribution (WSD) and GWA Emergency Generators	03/17/2022 03/24/2022	STEP 1 04/29/2022 @ 2 pm	In progress: Pending insurance requirement
Re-bid MS-GPA-015-22	Performance Management Contract for the GPA Fuel Bulk Storage Facility	06/02/2022 06/09/2022	STEP 1 09/23/2022 @ 4 pm	In progress: Amendment III bid opening date 10/21/2022
MS-GPA-042-22	Fadian Public Parking Lot Solar Canopy	08/09/2022 08/16/2022	11/04/2022 @ 2 pm	In progress: Amendment III bid opening date 11/04/2022
MS-GPA-055-22	Environmental Emergency Response Services	08/04/2022 08/11/2022	STEP 1 09/08/2022 @ 2 pm	In progress: Technical evaluation

Procurement (Administration Division)

Bid Protests & Appeals Status

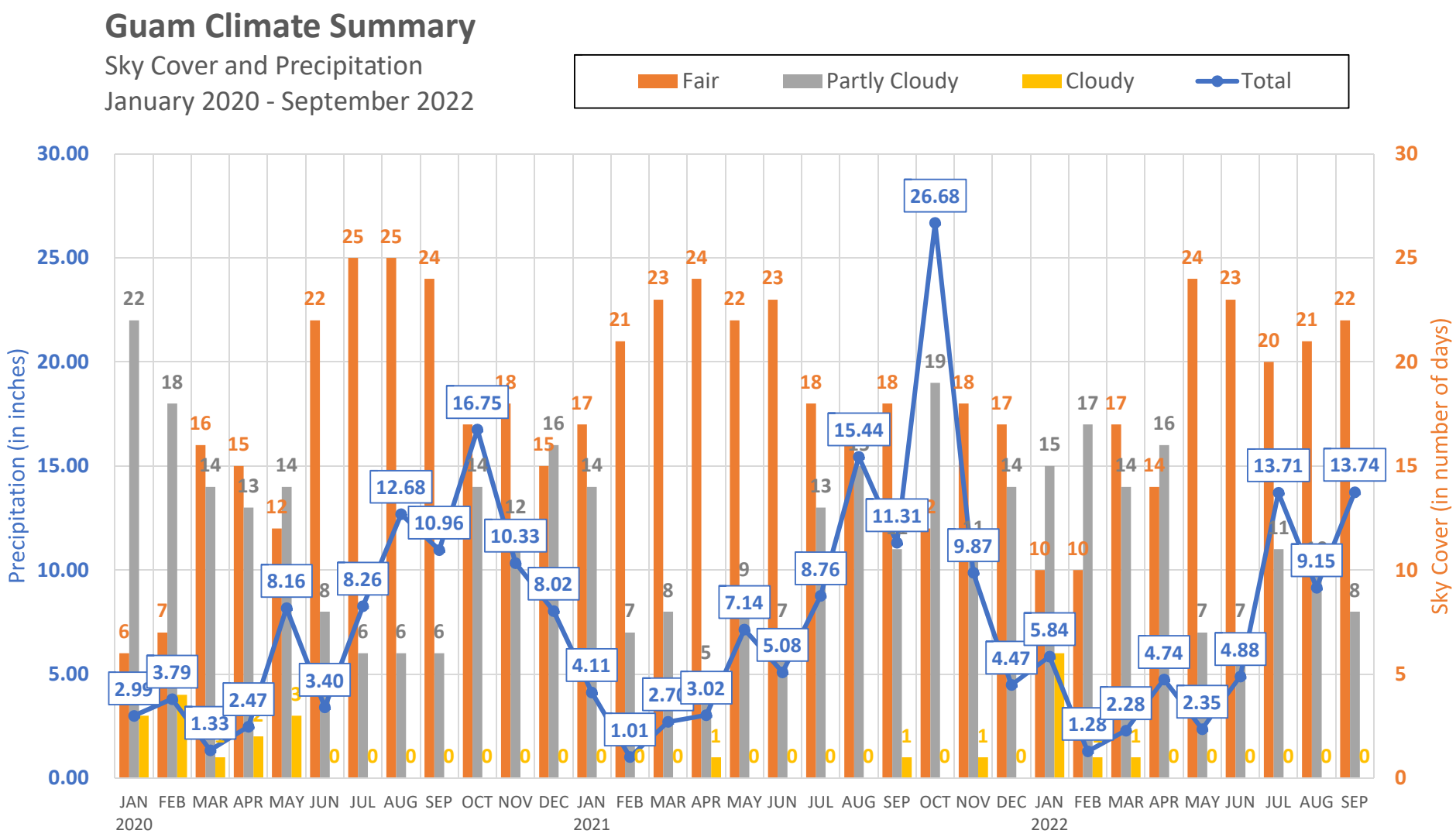
September 2022

PROTESTS

IFB, MS BID, or RFP	BID NUMBER	DESCRIPTION	FILER	Stay of Procurement Issue Date	Stay of Procurement Lift Date	Status/Comments
IFB	GPA-IFB-081-18	2018, 2-Wheel Steel Body Step Van	Morrico	05/01/2018		Roberts Fowler & Visosky Office filed protest
IFB	GPA-IFB-081-18	2018, 2-Wheel Steel Body Step Van	Morrico	06/15/2018		Roberts Fowler & Visosky Office filed protest
IFB	GPA-IFB-043-20	Voice & Data Services	Pacific Data Systems	06/09/2020		Pending legal action with revised bid specifications as of 05/19/2022
IFB	GPA-IFB-059-21	Substation Network Switch	Pacific Data Systems	09/09/2021		Pending Legal Determination
IFB	GPA-IFB-057-21	Bolts, Double Arming, Galvanize 5/8" x 20"	R&D Marketing	09/10/2021		Pending Legal Determination
IFB	GPA-014-22	Desktop Computers	Pacific Data Systems	02/21/2022		Pending Legal Determination

APPEALS

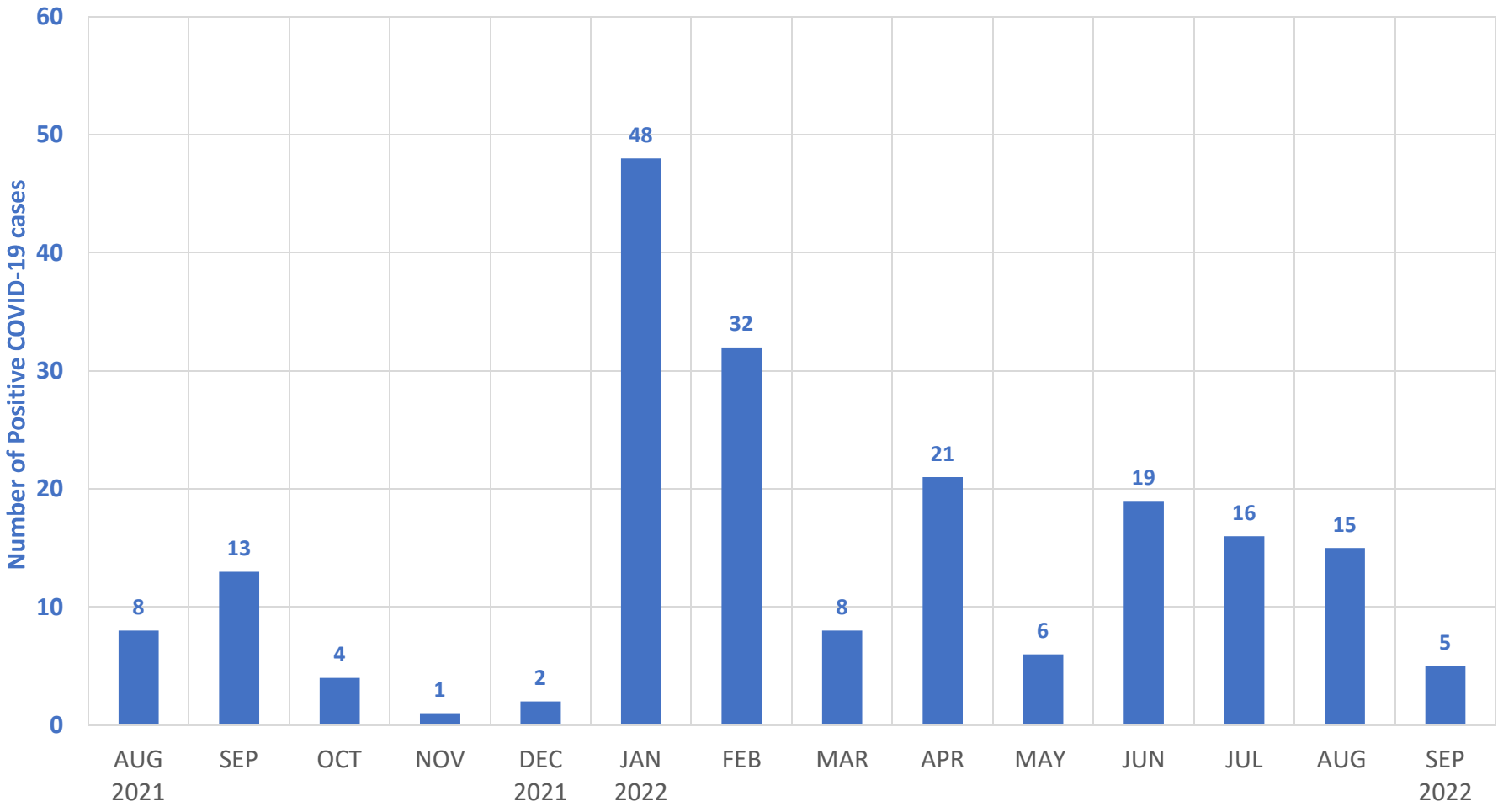
IFB, MS BID, or RFP	BID NUMBER	DESCRIPTION	OPA or Civil Case No.	Notice of Appeal Receipt Date	Notice of Appeal Hearing Date	Status/Comments
RFP	GPA RFP-21-002	Professional Print, Mailing and Processing Services Related to Utility Customer Billing	OPA-PA-21-012	10/25/2021		Pending Superior Court Decision



		Temperature (in Fahrenheit)			Precipitation (in inches)		Sky Cover (in days)			Weather Conditions (no. of days with)						Weather Event	
Month	Year	High	Mean	Low	Total	Greatest 24-hour	Fair	Partly Cloudy	Cloudy	Thunder storm	Heavy Rain	Rain	Light Rain	Fog	Haze	Name	Day
SEP	**2022**	**89**	**81.1**	**73**	**13.74**	**3.35**	**22**	**8**	**0**	**4**	**13**	**13**	**26**	**0**	**0**	**n/a**	**n/a**

Number of Positive COVID-19 cases per month

August 2021 - September 2022



PLANNING & REGULATORY DIVISION REPORT

The following summarizes P&R's activities for the month of September 2022

INSPECTIONS/MONITORING

- Best Management Practices (BMP) Weekly Inspection/Report – Cabras Power Plant
- Monthly Spill Prevention, Control and Countermeasures (SPCC) Inspection/Report – Cabras Power Plant, Macheche, Dededo, Yigo CT, Talofofo, MDI, Tenjo Diesel, Piti 7 Power Plants, IP&E fuel Farm.
- Reviews monthly Continuous Emissions Monitoring System (CEMS) report and monitors TRC's O & M for Tenjo Diesel. Coordinates Operations and Maintenance with TRC.
- Emissions and Limits Tracking for GPA and Yigo Diesel
    - Monitoring CO and NOx emissions of the Yigo Diesel generators not to exceed the allowable limit.
    - GPA Plants Limits based on Hours and/or Fuel Use
- Conducted inspection and took oil sample of old Navy T -44 transformer in Harmon Substation

DERA Grant (Diesel Emissions Reduction Act)

- Coordinated with Transportation to prepare planned procurement memorandum for hybrid bucket truck, memorandum is with procurement now.

ENVIRONMENTAL DISPOSAL & MITIGATION

- Coordinate Used oil draining and hauling for Cabras Tank 3
- Prepared scope of work for bid of the Tank 1935 bottom soil sampling project
- ADV removal project – update:
    - Fiberglass and composite wastes removal completed
- Tank 1935 soil sampling

ENVIRONMENTAL RESPONSE

- Responded to Oil Spill at Tanguisson Power Plant Oil-Water Separator on September 29, 2022.

NPDES/316b

- CWA NPDES / 316b Compliance requirement: Second Supplemental Report, re. Order for Compliance (GPA DOCKET NO. CWA-092022-0O5). Cooling Water Intake Velocity and Volume Measurements

PROCUREMENT

Coordination with procurement on the following bids/continuing contracts:

- OR# 36280 – Used Oil Transfer and Hauling Services- Completed
- OR#33750 – Environmental Emergency Response Contractor- Bid is on going
- OR# 35319 Environmental Engineering and Technical Services – Submitted SOW to Procurement
- GPA 039-22 Tank 1935, Tank Bottom Soil Sampling- Waiting for NTP
- GPA-RFP-21-010 Engineering, Procurement & Construction Management Contract – Price Proposal Review
- 29178 OP (Fuel Farm CIP- Fence Upgrade Project)- Request for Amendment 2: Additional funds for the restoration of the facility grounds damaged during the US Coast Guard's extraction removal of the sunken vessels.

REPORTING

- Monthly NSPS reporting for Cabras, CT's and Diesel plants submitted to GEPA and US EPA
- Email report to Guam EPA copy of IWPS and Renewable Energy Daily Production Data

SIP (State Implementation Plan)

- Submitted updated Modeling Report and Emissions Inventory with complete attachments and support documents to Guam EPA

TITLE V PERMIT

- Facility Inspections with Guam EPA at the Diesel Plants (MDI, Talofofo, and Tenjo)

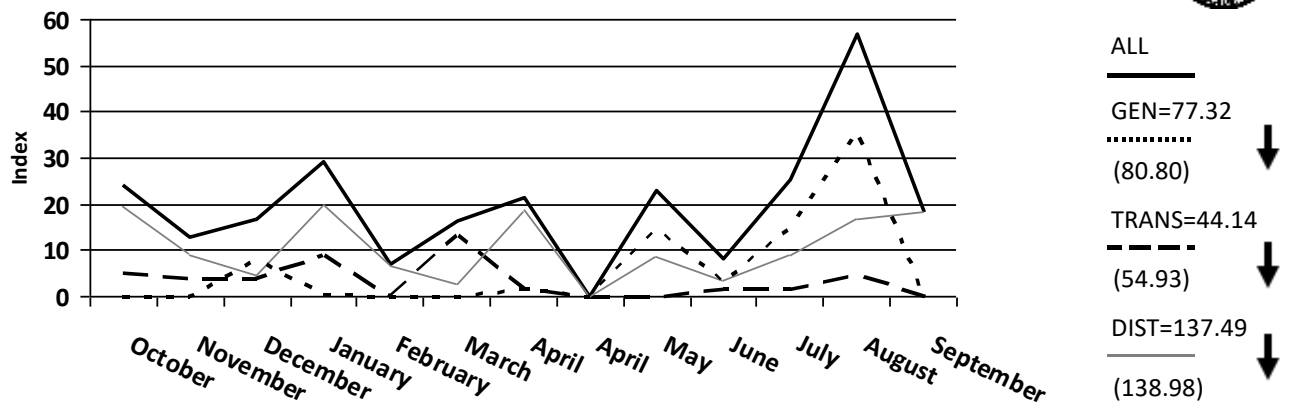
UKKUDU POWER PLANT

- Weekly update conference calls:
    - Prep Call between GPA and Stanley
    - Permitting and status updates (Power Plant and Pipeline) with contractors
    - GPA Internal discussions with Stanley
- Other
    - Pipeline Abandonment plan along Rt. 16
        - Meeting with Guam EPA – Proposed Land Use Control. Doosan drafted a LUC Work Plan. Draft under review

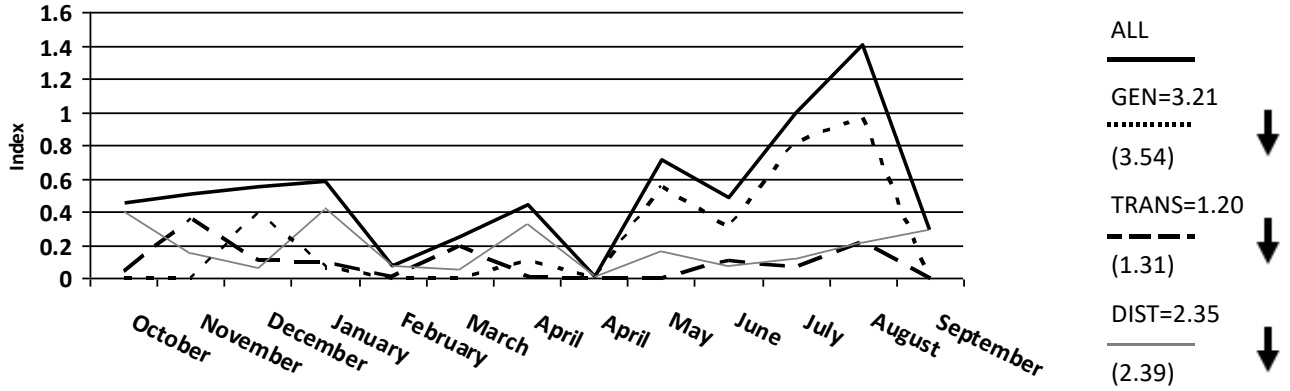
OTHER

- Engineering Internship Program –2 Interns finished their internship. 1 inter remains
- Attended Budget Training for FY2023
- Daily Production Report – noted some errors in fuel reporting for Piti 9. Sent email to Christian Chargualaf who sent out an update on the reports
- Prepped memo to US EPA to request Discontinuance of Fuel Switching Protocol requirements for Cabras Power Plant and Piti 8&9 Power Plant
- Acquired New AST Permits for RY 2022-2023 from GEPA.

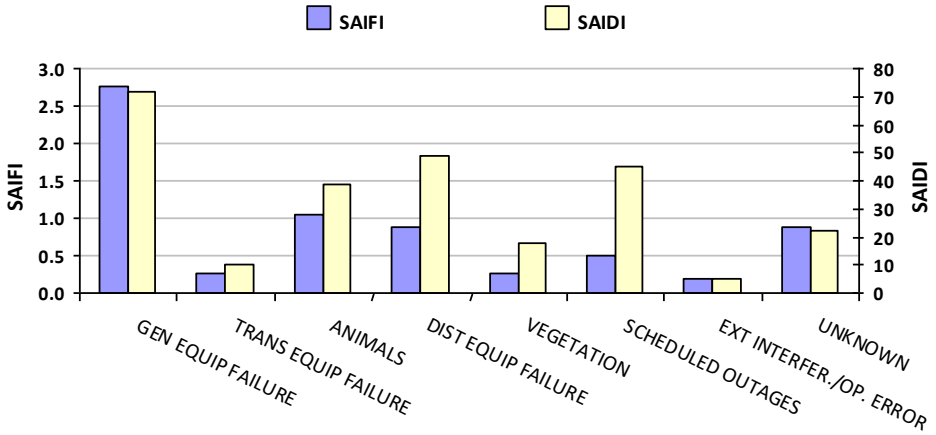
(Item 1.1,1.2,1.5) September 2022 SAIDI = 258.95 ↓ (274.71)



(Item 1.1,1.2,1.5) September 2022 SAIFI = 6.76 ↓ (7.25)



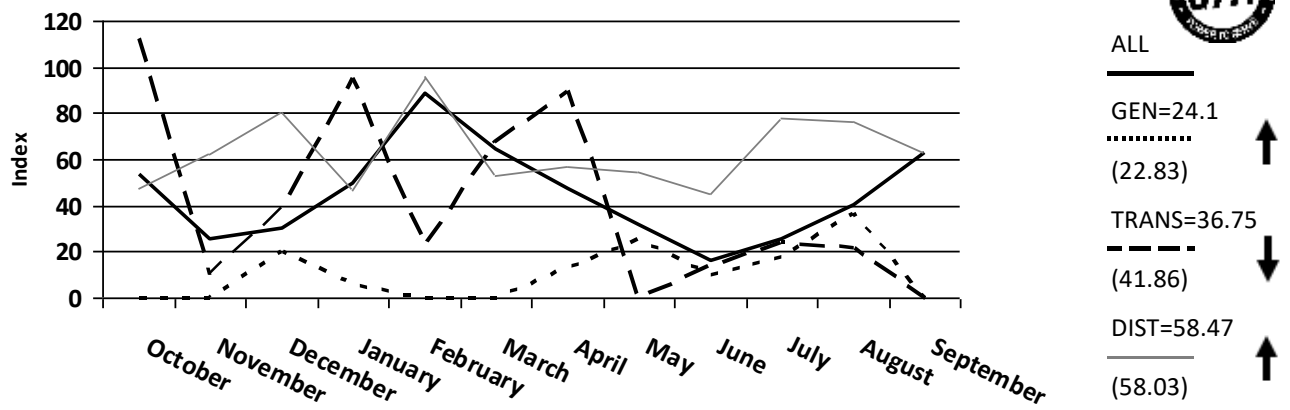
(Item 1.9) 12 Month Cause Contributions to Reliability



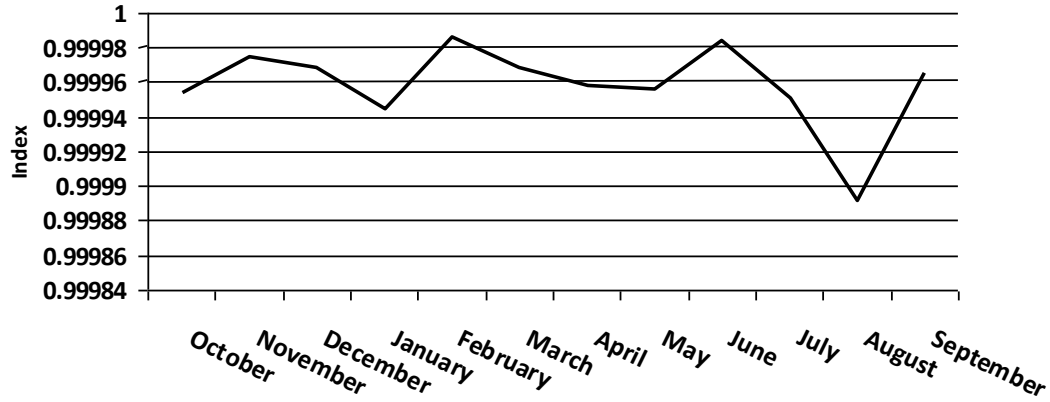
GEN EQUIP FAILURE
F:37.6% D:27.8%
TRANS EQUIP FAILURE
F:3.9% D:4.0%
ANIMALS
F:13.0% D:14.8%
DIST EQUIP FAILURE
F:13.0% D:18.8%
VEGETATION
F:3.9% D:6.8%
SCHEDULED OUTAGES
F:10.8% D:17.4%
EXT INTERFER./OP. ERROR
F:3.2% D:1.9%
UNKNOWN
F:14.5% D:8.5%

As of September 30, 2022

(Item 1.1,1.2,1.5) September 2022 CAIDI = 38.30 ↑ (37.91)



(Item 1.1,1.2,1.5) September 2022 ASAI = 0.9995 UNC* (0.9995)



(Item 1.4) Top 5 Worst Feeders Distribution Causes

#	Feeder	Outage Count
1	P340	11
2	P046	7
3	P341	5
4	P294	5
5	P321	4

(Item 1.4) Top 5 Distribution Outage Causes

#	Outage Cause	Count
1	Overhead Equipment	40
2	Vegetation	16
3	Snakes	14
4	Underground Equipment	10
5	Other Animals	4

(Item 1.3) Outage Count

TOTAL	UFLS	Non-UFLS
407	152	255

(Item 1.3) UFLS Contribution to Reliability

SAIDI	SAIFI	CAIDI
38.74	2.54	15.28

As of September 30, 2022

UNC* - Unchanged

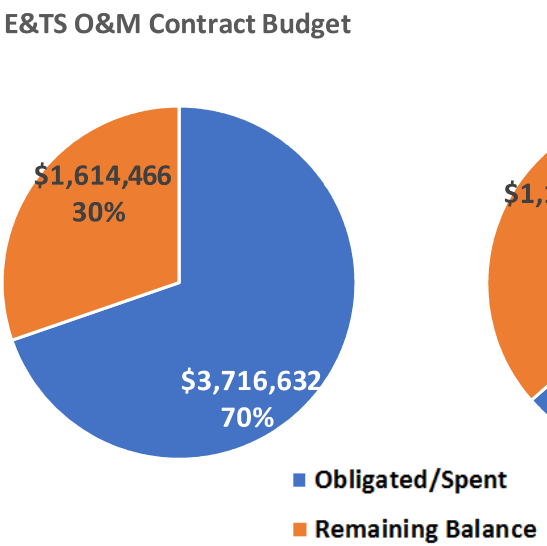
E&TS Divisional Report Summary

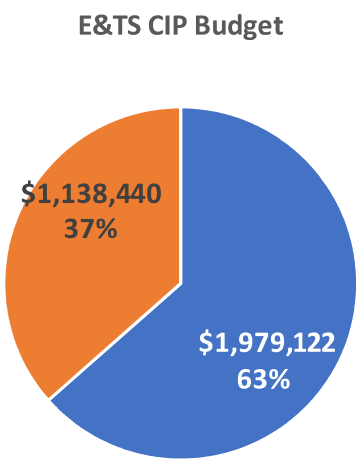
September 30, 2022

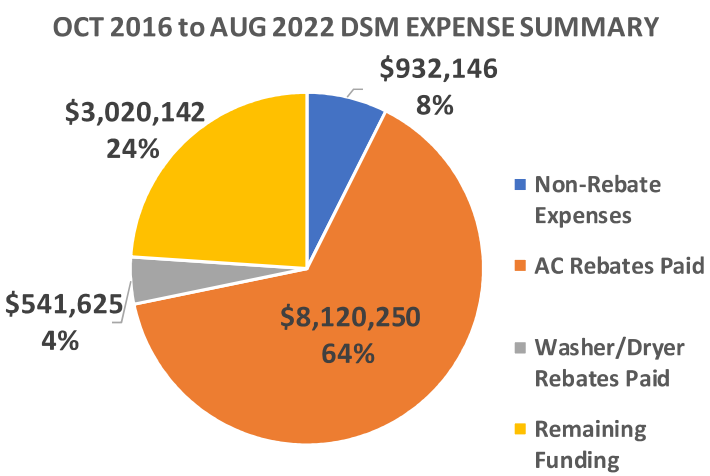
Contents

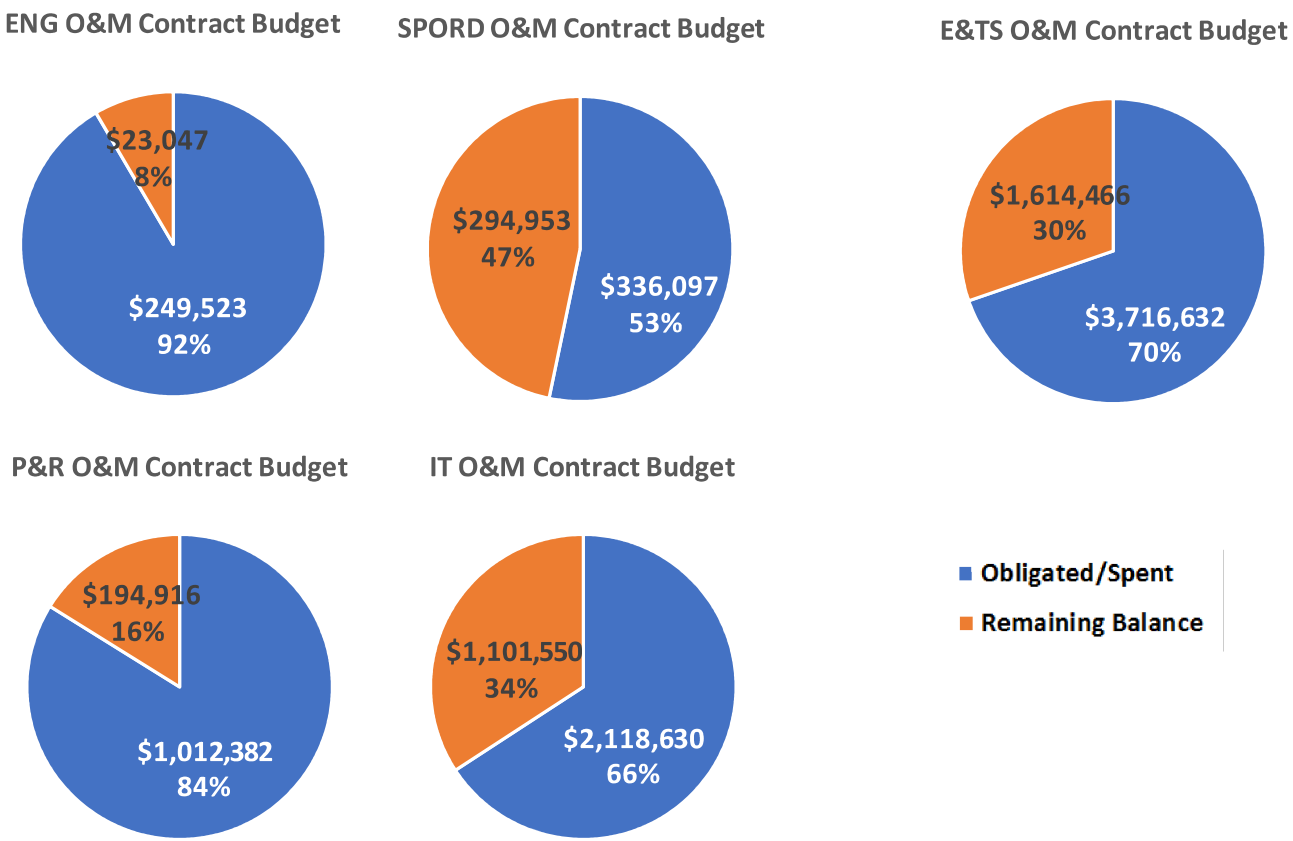
- E&TS Budget Execution Performance
  - O&M Contract Budget
  - CIP Budget
  - DSM Budget
- Environmental Compliance (SPCC and BMP Inspections)

E&TS Budget Execution Performance

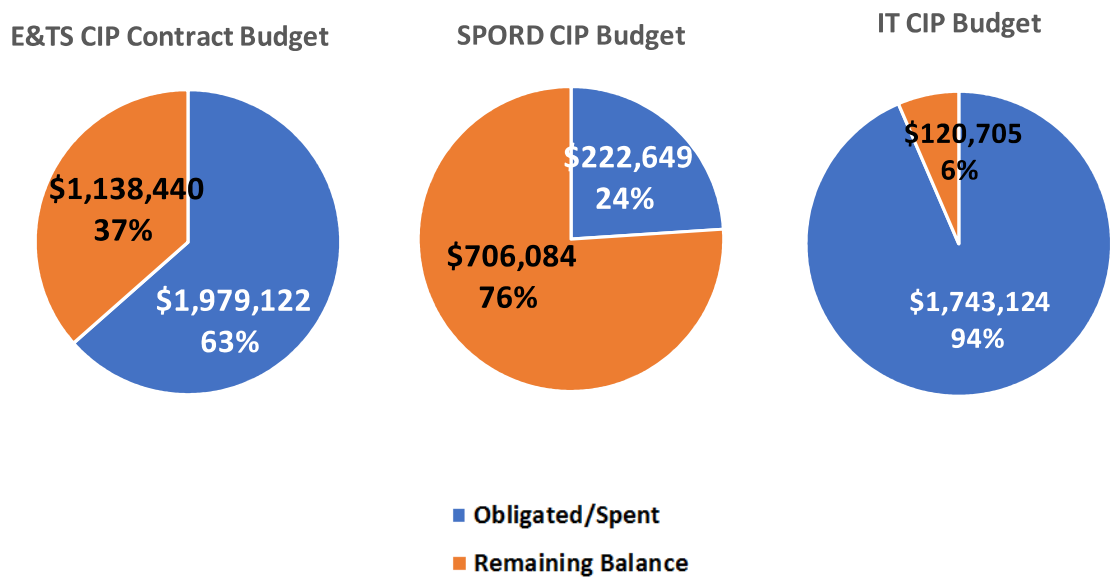







ENG O&M Contract Budget
$23,047
8%
$249,523
92%
SPORD O&M Contract Budget
$294,953
47%
$336,097
53%
E&TS O&M Contract Budget
$1,614,466
30%
$3,716,632
70%
P&R O&M Contract Budget
$194,916
16%
$1,012,382
84%
IT O&M Contract Budget
$1,101,550
34%
$2,118,630
66%
Obligated/Spent
Remaining Balance

4


E&TS CIP Contract Budget
$1,138,440
37%
$1,979,122
63%
SPORD CIP Budget
$222,649
24%
$706,084
76%
IT CIP Budget
$120,705
6%
$1,743,124
94%
Obligated/Spent
Remaining Balance

FY 2022 Procurement Status

Business Unit	Current Type					Current Status			Planned			
	RFP	Bid	Multistep Bid	Total	Resolicited	QBL Established	Evaluation Completed	Award/NTP	RFP	Bid	Multistep Bid	Total
SPORD	4		3	7				1	2		3	5
Engineering				0								0
SPORD/Engineering				0								0
IT	1	3		4					1	3		4
P&R	3		1	4			1					0
Total	**8**	**3**	**4**	**15**	**0**	**0**	**1**	**1**	**3**	**3**	**3**	**9**

Environmental Compliance

P&R Inspections Status Ending September 30, 2022

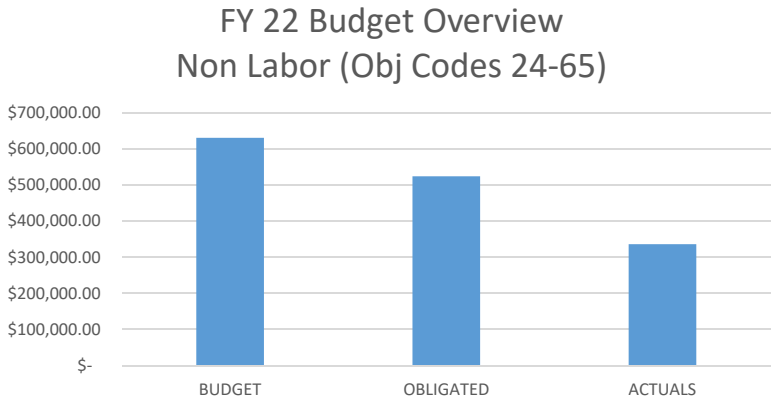
Inspection Type	Organization Responsibility	Violations Not Remediated	Number
Spill Prevention, Control, and Countermeasure (SPCC)	Generation	New Violation Notifications Issued	5
		Remediations Past Due	28
		Remediations Not Past Due	2
	T&D	New Violation Notifications Issued	0
		Remediations Past Due	3
		Remediations Not Past Due	0
Best Management Practices (BMPs)	Generation	New Violation Notifications Issued	0
		Remediations Past Due	9
		Remediations Not Past Due	0

- SPCC rule purpose is to help facilities prevent oil discharges into navigable waters or adjoining shorelines
- BMP refers to a type of auxiliary pollution controls in the fields of industrial wastewater control and municipal sewage control, storm water management, and wetland management

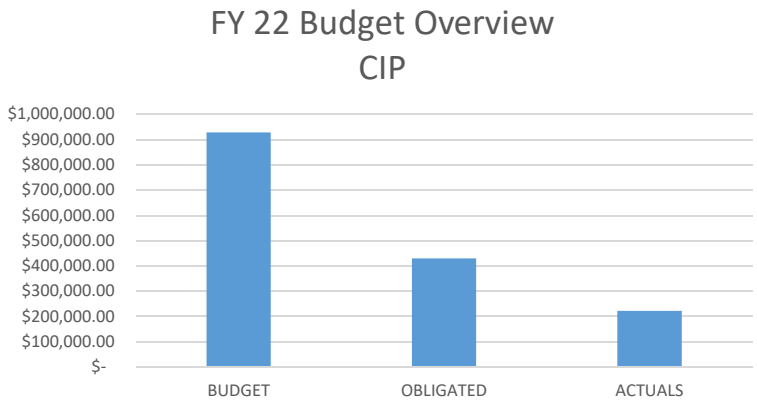
SPORD CCU Report

September 30, 2022

SPORD FY 2022 Budget Status



**Excludes DSM & Major Contracts (IPP, PPA, Fuel)*



**Posting/Processing of some invoices thru September 2022 may be pending.*

SPORD FY 2022 Budget Status

- Major Contracts (Non-O&M)

Contract Description	Budgeted Amount	Obligated Amount	Actuals	PO Balance
Fuel Contracts	$ 409,789,062	$ 400,518,663	$ 359,091,475	$ 41,427,188
MEC IPP (Piti 8&9)	$ 20,542,768	$ 18,253,110	$ 15,535,342	$ 2,717,768
Glidepath Contract (Renewable)	$ 10,210,938	$ 10,210,938	$ 9,614,664	$ 596,274

**Posting/Processing of some invoices thru September 2022 may be pending.*

SPORD FY 2022 Budget Status

Demand Side Management

Description	FY16	FY17	FY18	FY19	FY20	FY21 Posting Thru 9/30/21	FY22 Posting Thru 8/31/22	Total to Date
Regular/OT Pay	$11,348.80	$22,256.00	$26,121.83	$50,715.19	$47,402.18	$162,395.40	$122,628.52	$442,867.92
Other Contractual	$28,278.50	$85,550.05	$116,977.50	$3,025.00	-	$107,854.90	$131,386.83	$473,072.78
Ads & Radio Announcements	-	-	-	$9,000.00	-	-	-	$9,000.00
Paid Rebates-Split AC	$154,700.00	$557,275.00	$1,349,825.00	$1,374,650.00	$1,468,001.00	$1,855,550.00	$1,320,499.00	$8,080,500.00
Paid Rebates-Central AC	$3,400.00	$8,200.00	$4,400.00	$6,500.00	$2,400.00	$3,900.00	$7,400.00	$36,200.00
Paid Rebates-Washer/Dryer	$2,800.00	$7,425.00	$57,200.00	$110,800.00	$91,003.00	$134,497.00	$137,900.00	$541,625.00
Paid Rebates-Split AC (Commercial)							$3,550.00	$3,550.00
Paid Rebates-Central Ducted AC (Commercial)								$0.00
Total Expenses	$200,527.30	$680,706.05	$1,554,524.33	$1,554,690.19	$1,608,806.18	$2,264,197.30	$1,723,364.35	$9,586,815.70
Bank Interest (+)	$1,676.42	$1,722.74	$1,222.29	$730.05	$439.12	$324.50	$415.56	$6,530.68
Bank Fees	$155.00	$1,032.06	$1,085.08	$1,247.54	$1,702.64	$545.00	$1,437.70	$7,205.02

DSM Ending Balance: $3,387,731.03

PROCUREMENT ACTIVITIES

PENDING AWARD / NTP

Responsible	PROJECT	Description	CCU Date Approved (Resolution No.)	PUC Date Approved (Docket No.)	Projected Start*	Projected Completion	Status

ONGOING PROCUREMENT

Responsible	PROJECT	Description	Bid or RFP	Bid/RFP No	Announced	Bid Opening / Due	Notes
SPORD (JGS)	EPCM	Engineering, Procurement & Construction Management (for Ukudu Power Plant)	RFP	GPA-RFP-21-010 (Re-solicitation)	3/23/2022	5/13/2022	Original RFP announced in Sept. 2021 was cancelled on Nov. 16 due to to lack of competition. Proposal negotiation ongoing for resolicitation.
SPORD (ANF)	FUEL	GPA Bulk Fuel Storage Facility PMC	MS Bid	GPA-015-22	01/21/22	4/22/2022	Bid canceled by Procurement due to non-responsive bids.
SPORD (ANF)	FUEL	GPA Bulk Fuel Storage Facility PMC	MS Re-Bid	GPA-015-22	06/02/22	10/21/2022	Re-Solicitattion in progress
SPORD (JTL)	PLANNING SOFTWARE	Utility Resource Planning Software (CIP)	GPA-RFP-22-004	FY 2023	FY 2023	6/23/2022	Price Proposal Evaluation on-going and pending response from vendor on committee's clarification questions.
SPORD(CNC)	MWMS	Clevest Mobile Workforce Management Software Services	RFP	GPA-RFP-22-006	8/11/2022	9/22/2022	Need to Re-Bid
SPORD(JUM)	SCADA	DNP3 Secure Authentication Services	RFP	GPA-RFP-22-007	8/11/2022	9/23/2022	Due date extended another 3 weeks
SPORD (JTL/MNM)	RENEWABLES	Installation of Solar Canopy at Fadian Public Parking Area	MS Bid	MS GPA-042-22	8/9/2022	9/21/2022	Responses to remaining bidders' questions submitted to Procurement on 10/3/22. Bid submittal due date extended to 11/4/22.

DEVELOPING PROCUREMENT

Responsible	PROJECT	Description	Bid or RFP	Projected Start	Projected Completion	Status
SPORD (LOS)	RENEWABLES	Phase IV Renewable Resource Acquisition	MS Bid	FY 2022	FY 2023	Approved by CCU and pending approval from PUC. Bid announcement currently scheduled in November
SPORD (RAC)	SCADA	Replicated Database	RFP	TBD	TBD	Developing Scope of Work & RFP Documents (No budget this fiscal year)
SPORD (JTL)	ESS	Standby Generator & Automatic Transfer Switch for Talofofo ESS	RFP	FY 2023	FY 2023	RFP package pending, need management approval prior to submittal to PMM for advertisement.
SPORD (ANF)	FUEL	RFO Inspection and Testing Services	MS Bid	May-22	Nov-22	Bid Package Preparation In Progress.
SPORD (LOS)	IPP/PMC	Piti 8&9 PMC	MS Bid	FY 2023	FY 2023	Pending bid package preparation.

No.	Project Description	September 2022 Activities	Status / Est. Completion
1	Energy Storage System (Phase I)	Annual maintenance performed in May 2022. Additional annual maintenance will be performed in October 2022. Weekly, monthly and quarterly maintenance inspections for the Agana and Talofofo ESS sites were completed. Review of reports are on-going. Additional PCS repairs and annual performance test are expected to be completed in October to November 2022.	O&M phase on-going.
2	Renewable Energy Resource Phase II	- KEPCO COD is June 20, 2022. Samsung continued working on the punchlist items. - Hanwha's site grading and clearing punchlist is ongoing and expected to be completed by August.	KEPCO PV plant COD was June 20, 2022. Hanwha's COD is extended from Aug 22, 2022 to Dec 22, 2023.
3	New Power Plant Bid (EPCM)	Progress includes: **Guam EPA/ USEPA -** Air permit was approved on July 20, 2022 for the Ukudu site. **GWA** - GWA/Doosan have concurred on use of GWA water supply to support fire protection system which has been incorporated into the plant design. **Pipeline Activities** - Pigging of existing line from Piti to Airport Road (approximate) has been completed. All existing piping that was to be removed is completed. GPA/GEPA/Contractor to discuss blockage of underground line along Route 16 and abandonment plan - Construction of the new pipelines initiated in June. 100M test area near Chaot Bridge is completed. Work continues along Airport perimeter and at Nimitz. **EPCM Contract** - Resolicitation of EPCM RFP is in progress. Current contract was extended to December 2022 pending new contract approvals and final award. **Section 106** - Section 106 documents pending final edits/review with Navy and SHPO **Ukudu Construction Activities** - Several areas within the plant area are progressing including foundation for fuel and water tanks, HRSG and Control and Electrical building foundations, as well as gas turbine foundations. **Design Activities** - KEPCO/Doosan continues to submit power plant switchyard and Harmon interconnection and pipeline design drawings for review. **Financial Close** - KEPCO achieved financial on Oct. 1, 2022.	ECA Project COD -Target November 2023 (NLT April 2024)

No.	Project Description	September 2022 Activities	Status / Est. Completion
4	DSM Marketing	- The commercial rebate program radio ads and social media are completed with the EV dealership survey, K-12 Stem marketing kit, DSM Online, and Frontier Customer Survey tasks are on-going.	Continuous
5	DSM Rebate Program	Processed 671 applications for rebates totaling $180K in the reporting period (August 2022).	Continuous
6	Wireless Network Expansion	1. Malojloj Router Installation Area Completed 2. Testing Sim card Router communications ongoing 3. Upgrade of 4 each Tier II Substations routers completed 4. Installation of New Tier II DanDan Substation Gateway completed 5. Completed mobile routers installation in 26 each GPA vehicles	Dec-22
7	Smartworks MDM and Eportal	Data Migration from Oracle to **Postgres** Planned on Nov-22 (Upgrade to latest version pre-requisite) ongoing - Pending Linux OS Integration to MV90 requirements gathering ongoing E-Portal and MDMS training completed on September 2022	Dec-22
8	GDOE BEST Schools	**2019 DOI Award Projects:** **Agueda Johnston Middle School LED Lighting Retrofit ($586,771) and Maria Ulloa Elementary School LED Lighting Retrofit ($522,616).** - GPA requested for reallocation/reprogram of funds in excess of Ulloa & Johnston schools updated costs (~$80,480) for Southern High School exterior HPS lighting fixtures to LEDs and Agueda Johnston SOW modifications. Approval from Department of Interior pending. *GPA received Authorization to Proceed from DOI on 9/11/20 for Agueda Johnston and Maria Ulloa schools. Guam DOE signed MOAs for both schools on 3/10/21. Notice to Proceed was provided to Siemens on 3/10/21. Both projects were substantially completed in September 2021.* ***2021 DOI Award Projects:*** **University of Guam LED Lighting Upgrades, HVAC Controls, and Solar PV ($1.29M); Tamuning Elementary LED lighting and Solar PV ($154k)** **-** UOG NEPA compliance review completed. GPA received Authorization to Proceed from DOI on 6/9/2022. UOG project kick-off meeting scheduled for July, 2022 - Tamuning Elementary School NEPA compliance review in progress. ETC July 2022. All documents have been forwarded to Dept. Of Interior as required for Authorization fo Proceed. DOI reviewing documents.	Est. Completion: Sep. 2023

No.	Project Description	September2022 Activities	Status / Est. Completion
9	Consulting Services for Smart Grid Analytics Enabled Distribution System Planning, Technical, and Economic Feasibility Studies	Substation update reports for 6 Substations - 1. Distribution Model Corrections submitted for GPA review 2. FCI and Switch Placement submitted for GPA review 3. Load Flow Studies submitted for GPA review 4. Voltage Analysis submitted for GPA review 5. Demand Response submitted for GPA review 6. Volt/Var Optimization - L+G working on 7. Conservation Voltage Reduction - L+G working on 8. DER - L+G working on Additonal 4 Substation reports ongoing	Continuous
10	MEC Piti &8 and #9 - ECA Extension	Contract Extension commenced 12:00 Noon January 29, 2019. (No issues) Review and adjustment of Recapitalization Projects in-progress. (No issues) ULSD Conversion CIP on-going and pending conversion of ULSD Storage Tank #2. MEC 8 conversion completed in July 2022. MEC 9 conversion completed in September 2022.	IN PROGRESS
11	EV Infrastructure	Fast charge station scope for Mangilao offices. Developing fast charge station scope for Mangilao offices.	On-Hold
12	Renewable Energy Resource Phase III	OPA released decision 9/2020. Protest filed to Superior Court in October 2020. Hearing in September 2021 but no oral arguments. Superior Court ruled in GPA favor on 1/27/22. No appeal from protesting party. In May 2022, Navy advised of need for Finegayan and other properties within the lease for missle defense system and military support. Bid cancelled.	CANCELLED
13	Utility Energy Services Contract (UESC)	Continued work with GDOE on Best Schools Program (Grant & Pilot). - UOG finalized financing documents for project costs totaling $4.5M for projected savings of $654K annually. Investment Grade Audit and UOG-GPA MOU were signed.	Ongoing
14	GPA Fuel Farm ULSD Pipeline Upgrade	c/o Engineering Project Mgt. Design in progress. Delays due to COVID will move project completion into early 2022. Final connections to the bulk storage tanks 1934 & 1935 will be done after tank inspections and repairs.	Project Timeline: Estimated Start: Jan 2020 Est. Completion: Dec 2021-Sep 2022
15	Tk 1934 & Tk1935 API 653 Internal Inspection	c/o Engineering Project Mgt. Implementation in progress. Delays were experienced for Tank 1935 due to COVID and sludge processing however the total project schedule may still be within the projection completion date.	Project Timeline: Estimated Start: Feb 2020 Est. Completion: Dec 2023

No.	Project Description	September 2022 Activities	Status / Est. Completion
16	Milsoft Systems Software Services	1. Upgrade of OMS production planned Oct 27 - SQL 2019 installed . Integration to SEL devices ongoing 2. WindMil (Engineering Analysis) Training completed on August 2022	Continuous
17	MV90 Integration Services	Production Implementation Completed. Developing plan for MDMS integration	Oct-21
18	Grant Support	Continued grant development and execution. **For Guam Energy Office Grant:** 1. Energy Management Plan ongoing. 2. EnergySmart Schools Conference Nov. 17, 2021. 3. Project closeout in progress- Final Invoice submitted to GEO January, 2022.	GEO MOA Finalize: Sept '19 Grant Scope Completion: Dec. '21
19	GPA Fuel Farm- OWS Upgrading	c/o Engineering Project Mgt. Scope included in Tk 1934 & Tk1935 API 653 Internal Inspection and repair. Implementation in progress	Project Timeline: Estimated Start: Feb 2020 Est. Completion: Dec 2023
20	GPA Fuel Farm- LD System Upgrading	c/o Engineering Project Mgt. Scope included in Tk 1934 & Tk1935 API 653 Internal Inspection and repair. Implementation in progress	Project Timeline: Estimated Start: Feb 2020 Est. Completion: Dec 2023
21	Integrated Resource Plan	IRP Kickoff Meeting completed on January 29, 2021, and 2nd meeting completed on March 26, 2021. 3rd Meeting completed on December 10, 2021. IRP documents approved by CCU and submitted to PUC in February 2022.	Oct-21
22	Utility Resource Planning Software RFP.	Technical Proposals evaluated in August 20222. Price Proposal Evaluation on-going and pending response from vendor on committee's clarification questions.	Planned Completion: 11/30/2022
23	Power System Analyses and Studies	Signed contract and PO Acknowledgement received from S&C. System impact studies for Phase III are on hold due to Phase III Protest.	Estimated Start: TBD Est. Completion: TBD

No.	Project Description	September 2022 Activities	Status / Est. Completion
24	Diesel Supply to Tenjo Vista	Bid Package prepared. Approved by CCU (Resolution 2020-02) and PUC (Docket 20-07). For solicitation.	Project Timeline: Estimated Start: TBD Est. Completion: TBD
25	GPA Fuel Farm Mgt Contract	3rd Year Contract Extension (10/01/21-09/30/22) in progress. 4th year extension (10/01/22-09/30/23) approved by CCU (Resolution 2020-03) and approved by PUC (Docket 22-18)	2-year base period: Completed 09/30/19 1st Year Extn: Completed 09/30/20 2nd,3rd, & 4th Yr Extn: 10/01/20 to 09/30/23
26	Bulk RFO Supply for Baseload Plants (by Oceantanker)	Contract awarded to Hyundai Corporation Contract Term: 3-year base period: 09/01/20 to 08/31/23 w/ 2 Year Extn Option GPA received first shipment of 0.2% RFO for Cabras 1&2 consent decree compliance in September.	3-year base period: 9/1/2020-8/31/2023. 1 Year Extension thru 8/31/24
27	Bulk Diesel Supply (by Oceantanker)	Contract awarded to Mobil Oil Guam Contract Term: 2-year base period: 02/01/22 to 01/31/24 w/ 3 Year Extn Option	2-year base period: 2/1/2022-1/31/2024
28	Reliability Studies	SC-MVA final report submitted September 2022. Pending updated case files from S&C.	Est. Completion: 9/30/2022
28	RFO Inspection Services Contract	Contract awarded to Intertek Testing Services (ITS) Guam ContractTerm: 2-year base period w/ 3 Year Extn Option	3-year base period: 6/1/2018-5/31/2021 1st & 2nd Year extension: 6/1/2021 thru 5/31/2023
29	RFO Testing Services Contract	Contract awarded to SGS Guam ContractTerm: 2-year base period w/ 3 Year Extn Option	2-year base period: 9/1/2020-8/31/2022 1st Year extension: 9/1/2022-5/31/2023
30	DSM Digitization	DSM Online Frontend and Backend applications went live on 8/17/2022. New change order is under review to upgrade applications to accept expanded Large Commercial, Government, and Prepaid applicants. Contract ending 12/2022	Project Start: Sep 2020 Completion: 8/17/2022 Change Order: Dec 2022
31	Diesel Supply (by Roadtanker)-except Tenjo Vista & WSD	Resolution 2021-09 passed by CCU. PUC approved GPA Docket 21-09 (3 consecutive year extension.	2-year base period: 01/01/19-12/31/21 3-Yrs extension: 01/01/22-12/31/24
32	Diesel Inspection & Testing Services Contract	Contract awarded to Intertek Testing Services Guam ContractTerm: 2-year base period w/ 3 Year Extn Option	2-year base period: 12/1/2021-11/30/2024
32	iDashboards	Training completed on July and August 2022	9/30/2022
33	AGMETS Grant Support	BIL – Preventing Outages and Enhancing the Resilience of the Electric Grid formula grants	Shared assignment with EKC SF-424, SF-LLL, and Submission to Portal

CCU Report- DSM

As of September 30 2022

All Expenses – Fiscal Year

Description	FY16	FY17	FY18	FY19	FY20	FY21 Posting Thru 9/30/21	FY22 Posting Thru 8/31/22	Total to Date
Regular/OT Pay	$11,348.80	$22,256.00	$26,121.83	$50,715.19	$47,402.18	$162,395.40	$122,628.52	$442,867.92
Other Contractual	$28,278.50	$85,550.05	$116,977.50	$3,025.00	-	$107,854.90	$131,386.83	$473,072.78
Ads & Radio Announcements	-	-	-	$9,000.00	-	-	-	$9,000.00
Paid Rebates-Split AC	$154,700.00	$557,275.00	$1,349,825.00	$1,374,650.00	$1,468,001.00	$1,855,550.00	$1,320,499.00	$8,080,500.00
Paid Rebates-Central AC	$3,400.00	$8,200.00	$4,400.00	$6,500.00	$2,400.00	$3,900.00	$7,400.00	$36,200.00
Paid Rebates-Washer/Dryer	$2,800.00	$7,425.00	$57,200.00	$110,800.00	$91,003.00	$134,497.00	$137,900.00	$541,625.00
Paid Rebates-Split AC (Commercial)							$3,550.00	$3,550.00
Paid Rebates-Central Ducted AC (Commercial)								$0.00
Total Expenses	$200,527.30	$680,706.05	$1,554,524.33	$1,554,690.19	$1,608,806.18	$2,264,197.30	$1,723,364.35	$9,586,815.70
Bank Interest (+)	$1,676.42	$1,722.74	$1,222.29	$730.05	$439.12	$324.50	$415.56	$6,530.68
Bank Fees	$155.00	$1,032.06	$1,085.08	$1,247.54	$1,702.64	$545.00	$1,437.70	$7,205.02

**Preliminary Data as of 9/14/22*

DSM Funding

No.	Description	Amount
1	Initial DSM Budget FY 2016	$1,806,014.00
2	Interest Income	$6,530.68
3	Bank Fees	$7,205.02
4	Additional Funding Source	
	2017 Bond Refunding savings	$1,139,189.00
	FY 2019 Revenue Funding	$1,031,500.00
	FY 2020 Revenue Funding	$348,075.00
	FY2020 LEAC (June to September)	$1,296,397.67
	FY2021 LEAC (October 2020 to September 2021)	$3,859,302.49
	FY2022 LEAC (October 2021 to August 2022)	$3,494,742.91
5	Total Expense FY2016– FY2020 (Ending May 2020)	**$4,355,078.30**
6	Total Expense FY2020 – FY2022 (June 2020 to July 2022)	**$5,231,737.40**
	DSM Ending Balance – LEAC Funds	**$3,387,731.03**

**Preliminary Data as of 9/14/22*

FY 2020- Rebate Amount Paid Monthly

Month	Total	Split A/C Units	Central A/C Units	Washers/ Dryers
OCT '19	$130,450.00	$119,350.00	$500.00	$10,600.00
NOV '19	$14,900.00	$14,300.00	$0.00	$600.00
DEC '19	$116,775.00	$105,875.00	$500.00	$10,400.00
JAN '20	$39,050.00	$36,650.00	$0.00	$2,400.00
FEB '20	$65,050.00	$60,450.00	$0.00	$4,600.00
MAR '20	$96,425.00	$86,825.00	-	$9,600.00
APR '20	-		-	
MAY '20	$21,325.00	$19,525.00	-	$1,800.00
JUN '20	$148,825.00	$141,225.00	-	$7,600.00
JUL '20	$139,450.00	$127,150.00	$500.00	$11,800.00
AUG '20	$50,775.00	$45,175.00	-	$5,600.00
SEP '20	$381,725.00	$360,925.00	$0.00	$20,800.00
TOTALS	$1,204,750.00	$1,117,450.00	$1,500.00	$85,800.00

FY 2021- Rebate Amount Paid Monthly

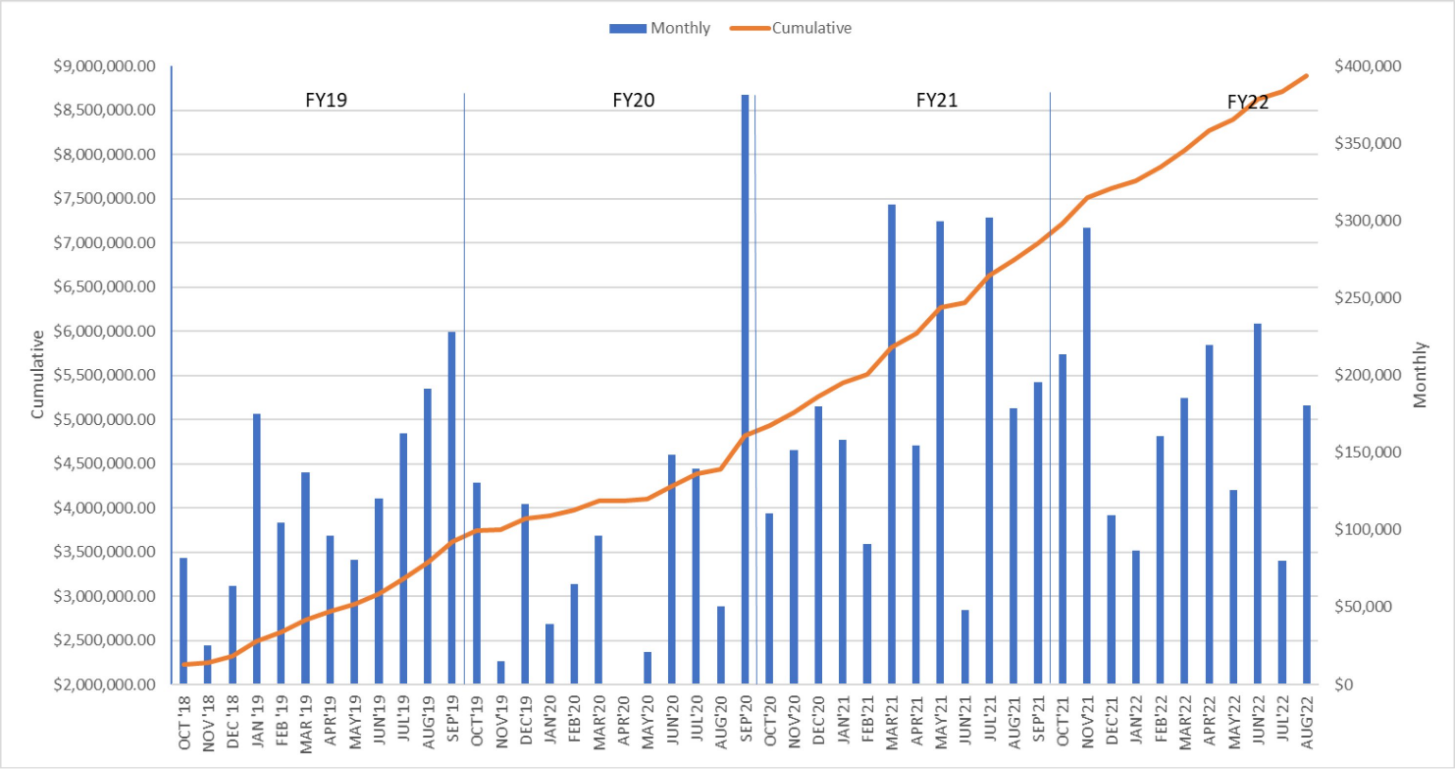
Month	Total	Split A/C Units	Central A/C Units	Washers/ Dryers
OCT '20	$ 110,825.00	$ 110,325.00	$ 500.00	–
NOV '20	$ 151,925.00	$ 142,425.00	$ 500.00	$ 9,000.00
DEC '20	$ 180,075.00	$ 173,975.00	$ 500.00	$ 5,600.00
JAN '21	$ 158,450.00	$ 153,650.00	$ –	$ 4,800.00
FEB '21	$ 91,100.00	$ 86,100.00	$ –	$ 5,000.00
MAR '21	$ 310,600.00	$ 295,200.00	$ –	$ 15,400.00
APR '21	$ 154,750.00	$ 146,650.00	$ 500.00	$ 7,600.00
MAY '21	$ 300,000.00	$ 278,000.00	$ –	$ 22,000.00
JUN '21	$ 47,975.00	$ 41,575.00	$ 800.00	$ 5,600.00
JUL '21	$ 301,875.00	$ 280,675.00	$ 1,000.00	$ 20,200.00
AUG '21	$ 178,575.00	$ 164,875.00	$ –	$ 13,700.00
SEP '21	$ 195,800.00	$ 180,000.00	$ 1,600.00	$ 14,200.00
TOTALS	$ 2,181,950.00	$ 2,053,450.00	$ 5,400.00	$ 123,100.00

FY 2022- Rebate Amount Paid Monthly

		Residential			Commercial	
Month	Total	Split A/C Units	Central A/C Units	Washers/ Dryers	Split A/C Units	Central A/C Units
OCT '21	$ 213,900.00	$ 190,600.00		$ 23,200.00	$ 100.00	
NOV '21	$ 182,800.00	$ 160,600.00	$ 1,000.00	$ 21,200.00		
DEC '21	$ 109,425.00	$ 97,525.00		$ 11,800.00	$ 100.00	
JAN '22	$ 86,900.00	$ 80,600.00	$ 500.00	$ 5,800.00		
FEB '22	$ 160,825.00	$ 141,775.00		$ 18,900.00	$ 150.00	
MAR '22	$ 185,600.00	$ 166,000.00		$ 19,400.00	$ 200.00	
APR '22	$ 219,600.00	$ 200,000.00		$ 19,600.00		
MAY '22	$ 125,875.00	$ 109,475.00		$ 16,400.00		
JUN '22	$ 233,675.00	$ 210,825.00	$ 500.00	$ 19,800.00	$ 2,550.00	
JUL '22	$ 80,050.00	$ 73,850.00		$ 6,000.00	$ 200.00	
AUG '22	$ 180,700.00	$ 172,850.00		$ 7,600.00	$ 250.00	
SEP '22						
TOTALS	$1,779,350.00	$1,604,100.00	$2,000.00	$169,700.00	$3,550.00	$0.00

**Preliminary Data as of 9/14/22*

FY'19- FY'22 Rebate Amount Paid



FY 2021 Number of Applications Received By Customer Service and Paid Monthly

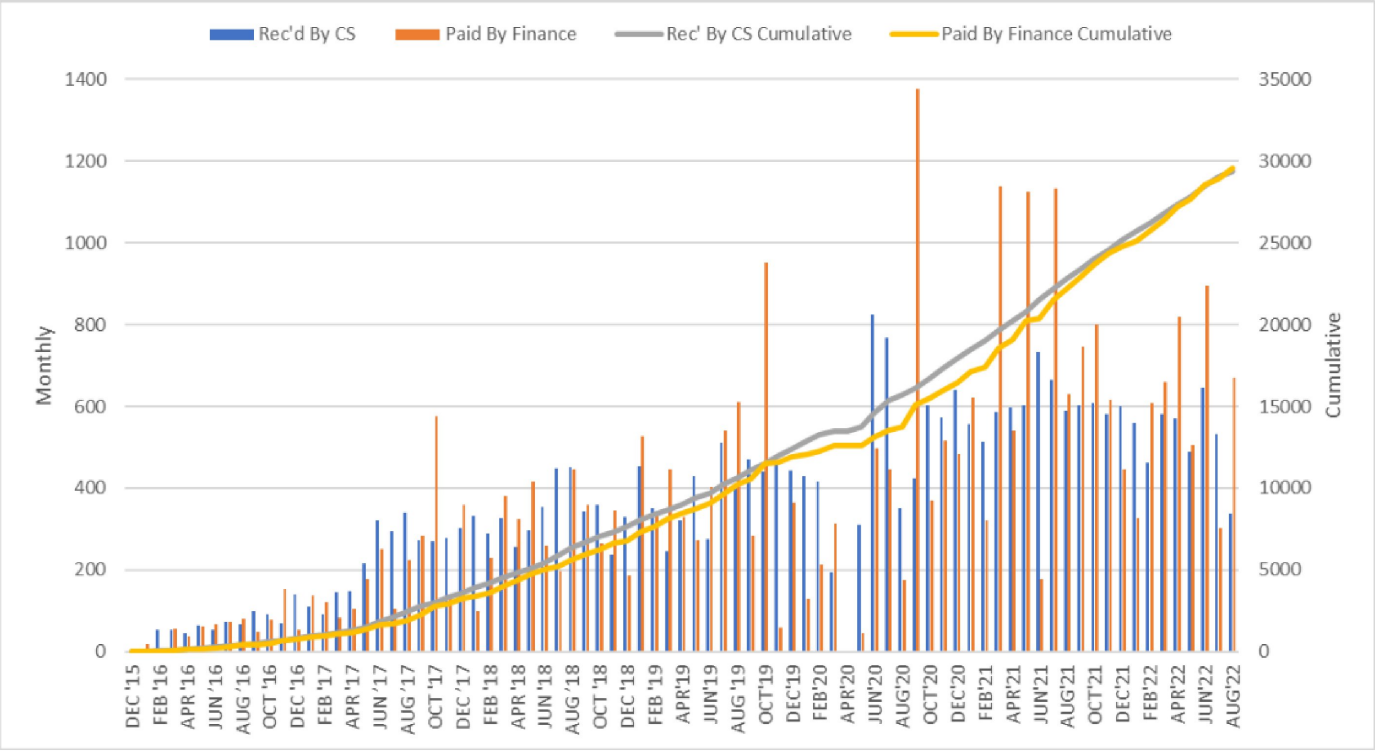
Month	Rec'd By CS	Paid By Finance
OCT ’20	603	370
NOV ’20	573	516
DEC ’20	640	484
JAN’21	557	621
FEB ’21	512	322
MAR ’21	587	1139
APR ’21	598	540
MAY ’21	603	1124
JUN ’21	733	178
JUL ’21	665	1133
AUG ’21	590	631
SEP ‘21	603	747

FY 2022 Number of Applications Received By Customer Service and Paid Monthly

Month	Rec'd By CS	Paid By Finance
OCT '21	608	801
NOV '21	580	617
DEC '21	600	446
JAN'22	559	327
FEB '22	463	608
MAR '22	580	659
APR '22	569	819
MAY '22	488	506
JUN '22	645	895
JUL '22	533	302
AUG '22*	338	671
SEP '22*		

** As of 8/17/2022 majority of rebate applications have transitions to online applications. Data and reports are still being updated*

Number of Applications Received By Customer Service and Paid



DSM Online Report - September 2022

APPLICATIONS

Month	Applications	Commercial	Residential
Aug-22	**217**	0	217
Sep-22	**487**	7	480
TOTALS	**704**	**7**	**697**

AVERAGE REBATE PER APPLICATION

Commercial	Residential
$ 278.57	**$ 278.55**

EQUIPMENT

Month	Equipment	Commercial	Residential
Aug-22	**316**	0	316
Sep-22	**667**	12	655
TOTALS	**983**	**12**	**971**

AVERAGE REBATE PER EQUIPMENT

Commercial	Residential
$ 162.50	**$ 199.95**

REBATE AMOUNTS

Month	Rebate	Commercial	Residential
Aug-22	**$ 61,475.00**	$ -	$ 61,475.00
Sep-22	**$ 134,625.00**	$ 1,950.00	$ 132,675.00
TOTALS	**$ 196,100.00**	**$ 1,950.00**	**$ 194,150.00**

** DSM Online went live on 8/17/22. August 2022 figures are from 8/17 – 8/31 only.*
** Large Commercial, Government, Prepaid, and Inactive accounts are still tracked and processed manually.*
** Paper applications are NOT INCLUDED in this report but will be updated and combined in future reporting.*

DSM Online Report - September 2022

APPLICATION COUNTS PER STATUS

		COMMERCIAL			RESIDENTIAL		
Month	**Applications**	**Processing**	**Approved**	**Denied**	**Processing**	**Approved**	**Denied**
Aug-22	**217**	0	0	0	121	63	33
Sep-22	**487**	6	0	1	420	0	60
TOTALS	**704**	**6**	**0**	**1**	**541**	**63**	**93**

APPLICATION COUNTS PER PROGRAM

		COMMERCIAL				RESIDENTIAL			
Month	**Applications**	**Split A/C Units**	**Central A/C Units**	**VRF A/C Units**	**Rooftop A/C Units**	**Split A/C Units**	**Central A/C Units**	**Window A/C Units**	**Washer/Dryer**
Aug-22	**217**	0	0	0	0	192	0	15	10
Sep-22	**487**	7	0	0	0	412	0	29	39
TOTALS	**704**	**7**	**0**	**0**	**0**	**604**	**0**	**44**	**49**

REBATE AMOUNTS PER PROGRAM

		COMMERCIAL				RESIDENTIAL			
Month	**Rebate**	**Split A/C Units**	**Central A/C Units**	**VRF A/C Units**	**Rooftop A/C Units**	**Split A/C Units**	**Central A/C Units**	**Window A/C Units**	**Washer/Dryer**
Aug-22	**$ 61,475.00**	$ -	$ -	$ -	$ -	$ 57,475.00	$ -	$ 1,600.00	$ 2,400.00
Sep-22	**$134,625.00**	$ 1,950.00	$ -	$ -	$ -	$ 120,375.00	$ -	$ 3,300.00	$ 9,000.00
TOTALS	**$196,100.00**	**$ 1,950.00**	**$ -**	**$ -**	**$ -**	**$ 177,850.00**	**$ -**	**$ 4,900.00**	**$ 11,400.00**

EQUIPMENT COUNT PER PROGRAM

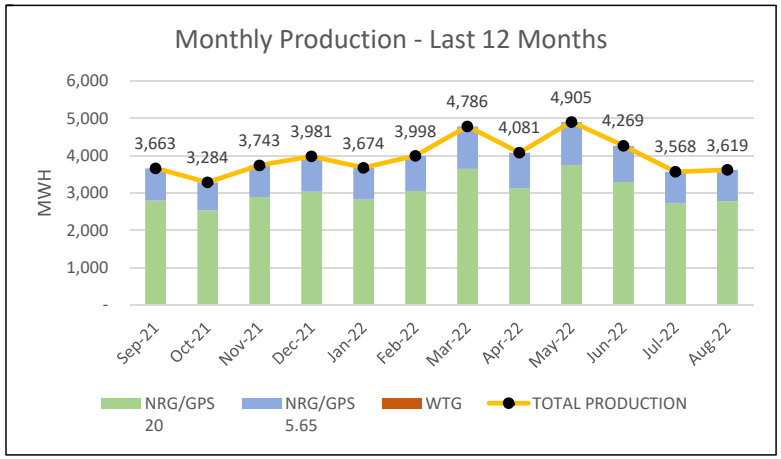
		COMMERCIAL				RESIDENTIAL			
Month	**Equipment**	**Split A/C Units**	**Central A/C Units**	**VRF A/C Units**	**Rooftop A/C Units**	**Split A/C Units**	**Central A/C Units**	**Window A/C Units**	**Washer/Dryer**
Aug-22	**316**	0	0	0	0	288	0	16	12
Sep-22	**667**	12	0	0	0	577	0	33	45
TOTALS	**983**	**12**	**0**	**0**	**0**	**865**	**0**	**49**	**57**

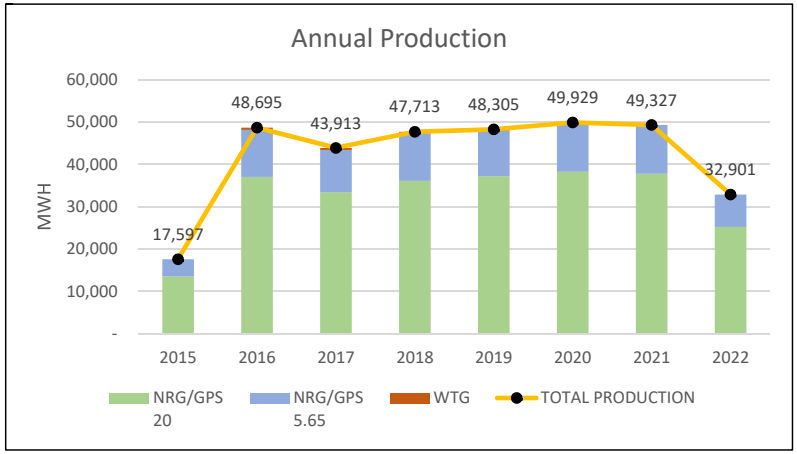
** DSM Online went live on 8/17/22. August 2022 figures are from 8/17 – 8/31 only.*
** Large Commercial, Government, Prepaid, and Inactive accounts are still tracked and processed manually.*
** Paper applications are NOT INCLUDED in this report but will be updated and combined in future reporting.*

Renewable Energy Production CCU Report

August 31, 2022

Renewable Energy Charts





Renewable Energy Data

Monthly Renewable Production - Last 12 Months (LTM)

Date	NRG/GPS 20	NRG/GPS 5.65	WTG	TOTAL PRODUCTION
Sep-21	2,799.56	863.31	-	3,662.87
Oct-21	2,539.45	744.89	-	3,284.35
Nov-21	2,891.96	851.21	-	3,743.16
Dec-21	3,036.19	944.45	-	3,980.63
Jan-22	2,827.82	846.44	-	3,674.26
Feb-22	3,056.84	941.36	-	3,998.20
Mar-22	3,650.85	1,135.45	-	4,786.29
Apr-22	3,123.86	957.45	-	4,081.31
May-22	3,755.74	1,149.70	-	4,905.45
Jun-22	3,293.39	975.47	-	4,268.86
Jul-22	2,728.35	839.25	-	3,567.60
Aug-22	2,782.05	836.62	-	3,618.67
Total	**36,486.05**	**11,085.59**	**-**	**47,571.65**

Annual Renewable Production

Date	NRG/GPS 20	NRG/GPS 5.65	WTG	TOTAL PRODUCTION
2015	13,522.50	4,074.07	-	17,596.57
2016	37,037.15	11,183.91	473.53	48,694.59
2017	33,472.41	9,983.29	456.90	43,912.60
2018	36,158.00	11,228.24	327.02	47,713.25
2019	37,247.12	10,792.06	266.06	48,305.24
2020	38,249.82	11,393.79	285.06	49,928.67
2021	37,841.47	11,485.18	-	49,326.65
2022	25,218.89	7,681.74	-	32,900.63
Total	**258,747.37**	**77,822.27**	**1,808.57**	**338,378.20**

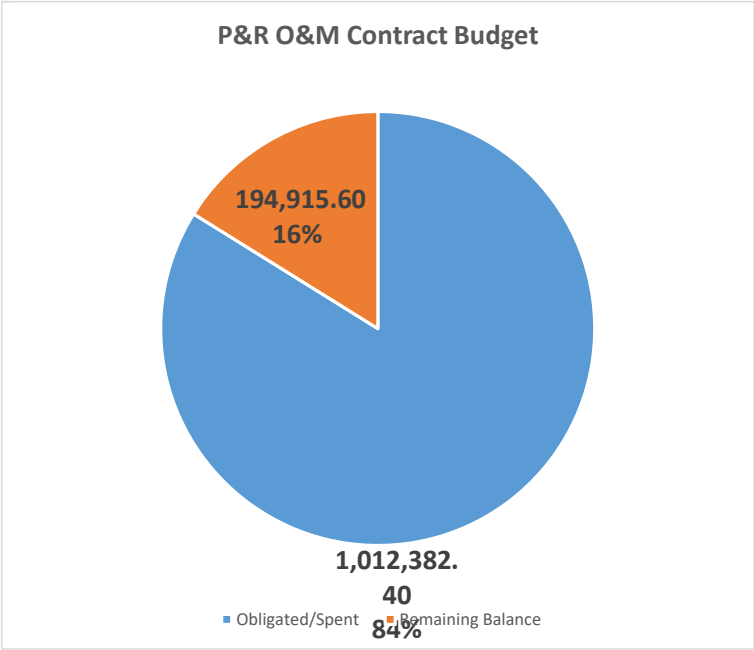
- Dandan / GPS = Phase I Solar commissioned on 10/2015
- WTG = Wind Turbine Generation
- Data as of August 2022 in MWH

Planning & Regulatory CCU Report

September 30, 2022

Planning & Regulatory O&M Contract Budget

- Revenue Funded
- Target
  - 46.80% O&M Obligation as of October 31, 2021 (Actual)
  - 52.17% O&M Obligation as of December 31, 2021 (Actual)
  - 52.53% O&M Obligation as of January 31, 2022 (Actual)
  - 52.53% O&M Obligation as of February 28, 2022 (Actual)
  - 57.95% O&M Obligation as of May 31, 2022 (Actual)
  - 60.02% O&M Obligation as of June 30, 2022 (Actual)
  - 83.86% O&M Obligation as of September 30, 2022 (Actual)



P&R Weekly & Monthly Inspection Reports

- Best Management Practices (BMP) Report Summary [Weekly]
- Generation Spill Prevention, Control, and Countermeasures (SPCC) Report Summary [Monthly]
- T&D Spill Prevention, Control, and Countermeasures (SPCC) Report Summary [Monthly]

- GPA is responsible to employees, the island environment, and the community to take all reasonable steps necessary to prevent spills from its facilities in order to protect human health and the environment

P&R Inspection Report Purpose

- The purpose of these inspections is to catch discrepancies and violations internally and correct them before inspections by Guam EPA and US EPA
- Regulatory Agencies can conduct scheduled or un-scheduled (surprise) inspections any time
- Any major discrepancies or violations cited can lead to issuance of a Notice of Violation (NOV), possible fines, and/or other enforcement action
- P&R conducts routine SPCC inspections in compliance with the requirements of 40CFR 112.7(a)(3)(ii), Discharge Prevention Measures

Weekly BMP Report

WEEKLY BMP REPORT SUMMARY
CABRAS POWER PLANT
MONTH OF SEPTEMBER 2022

LEGEND OF TRACKING

- Notification Date
- Completed
- Within Scheduled Remediation Period
- Deadline is Past Due

LOCATION		WE 09/02/22 FINDINGS	WE 09/09/22 FINDINGS	WE 09/16/22 FINDINGS	WE 09/23/22 FINDINGS	WE 09/30/22 FINDINGS	RECOMMENDATION/ REMARKS	INITIAL FINDINGS DATE	DUE DATE	DATE COMPLETED	RESPONSE
Cabras Facility	1	Oil/water separator (next to outfall) (Item 4) - Heavily corroded.	Oil/water separator (next to outfall) (Item 4) - Heavily corroded.	Oil/water separator (next to outfall) (Item 4) - Heavily corroded.	Oil/water separator (next to outfall) (Item 4) - Heavily corroded.	Oil/water separator (next to outfall) (Item 4) - Heavily corroded.	for removal/disposal	1/7/2022	ASAP		
	2	Fuel Treatment House (Item 6) - oil in trench	Fuel Treatment House (Item 6) - oil in trench	Fuel Treatment House (Item 6) - oil in trench	Fuel Treatment House (Item 6) - oil in trench	Fuel Treatment House (Item 6) - oil in trench	Remove oil	8/27/2021	ASAP		*September 9,16,23 &30: Draining/removal of oil is ongoing.*
	3	C3&4 building ground (Item 16)- oil in the pits.	C3&4 building ground (Item 16)- oil in the pits.	C3&4 building ground (Item 16)- oil in the pits.	C3&4 building ground (Item 16)- oil in the pits.	C3&4 building ground (Item 16)- oil in the pits.	Remove oil..	6/12/2020	ASAP		*September 9,16,23 &30: Removal of oil is ongoing. Area is Clean*
	4	C3&4 building (Item 16) - accumulated used insulation, materials and debris.	C3&4 building (Item 16) - accumulated used insulation, materials and debris.	C3&4 building (Item 16) - accumulated used insulation, materials and debris.	C3&4 building (Item 16) - accumulated used insulation, materials and debris.	C3&4 building (Item 16) - accumulated used insulation, materials and debris.	Remove and dispose	8/27/2021	ASAP		*September 2: Waiting for contractors to pick up the remaining drums. September 9,16,23 &30: Cleanup is ongoing, most of the insulation and debris have been disposed.*

Weekly BMP Report (cont.)

LOCATION		WE 09/02/22 FINDINGS	WE 09/09/22 FINDINGS	WE 09/16/22 FINDINGS	WE 09/23/22 FINDINGS	WE 09/30/22 FINDINGS	RECOMMENDATION/ REMARKS	INITIAL FINDINGS DATE	DUE DATE	DATE COMPLETED	RESPONSE
Cabras Facility	5	Across C1&2 building - corroded 20 foot containers; corroding metal equipment parts (Item 16).	Across C1&2 building - corroded 20 foot containers; corroding metal equipment parts (Item 16).	Across C1&2 building - corroded 20 foot containers; corroding metal equipment parts (Item 16).	Across C1&2 building - corroded 20 foot containers; corroding metal equipment parts (Item 16).	Across C1&2 building - corroded 20 foot containers; corroding metal equipment parts (Item 16).	Apply necessary BMP to prevent storm water runoff that carry metals to storm drain.	12/10/2021	ASAP		*September 23 & 30: New container storage in front of Cabras 1&2.*
	6	Cooling water intake - corroded cooling water intake covers and bar screens (Item 26).	Cooling water intake - corroded cooling water intake covers and bar screens (Item 26).	Cooling water intake - corroded cooling water intake covers and bar screens (Item 26).	Cooling water intake - corroded cooling water intake covers and bar screens (Item 26).	Cooling water intake - corroded cooling water intake covers and bar screens (Item 26).	Chip corrosion repaint	7/23/2021	ASAP		
	7	Cabras Tank 1,2,3,4 Refilling Valve Pit - water accumulation in the tanks1-4 refilling valve pit (Item 28).	Cabras Tank 1,2,3,4 Refilling Valve Pit - water accumulation in the tanks1-4 refilling valve pit (Item 28).	Cabras Tank 1,2,3,4 Refilling Valve Pit - water accumulation in the tanks1-4 refilling valve pit (Item 28).	Cabras Tank 1,2,3,4 Refilling Valve Pit - water accumulation in the tanks1-4 refilling valve pit (Item 28).	Cabras Tank 1,2,3,4 Refilling Valve Pit - water accumulation in the tanks1-4 refilling valve pit (Item 28).	Accumulation due to recent rainfall. Drain water.	7/1/2022	ASAP		
	8	Near Ponding Basin - 20-ft Container and corroded metals (Item 27).	Near Ponding Basin - 20-ft Container and corroded metals (Item 27).	Near Ponding Basin - 20-ft Container and corroded metals (Item 27).	Near Ponding Basin - 20-ft Container and corroded metals (Item 27).	Near Ponding Basin - 20-ft Container and corroded metals (Item 27).	Remove broken container to prevent storm water runoff that carry metals to ponding basin	8/27/2021	ASAP		
	9	Near to Outfall Cabras 3&4 - Corroded big metal plate	Near to Outfall Cabras 3&4 - Corroded big metal plate	Near to Outfall Cabras 3&4 - Corroded big metal plate	Near to Outfall Cabras 3&4 - Corroded big metal plate	Near to Outfall Cabras 3&4 - Corroded big metal plate	Remove/Dispose	7/13/2022	ASAP		

T&D SPCC Inspection Report

SUMMARY OF T&D SPCC MONTHLY INSPECTION REPORT

MONTH OF SEPTEMBER 2022

SUBSTATIONS

LEGEND OF TRACKING

- Notification Date
- Completed
- Within Scheduled Remediation Period
- Deadline is Past Due

#	SUBSTATION LOCATIONS		FINDINGS		RECOMMENDATION/REMARKS	STATUS	RESPONSIBLE	COMPLETION DATE	DUE DATE	INITIAL FINDINGS DATE
1	DEDEDO SUBSTATION (T-55)	1	Clean	Substation area is clean and well maintained.	Maintain					
2	DEDEDO SUBSTATION WAREHOUSE	1	Clean	Good housekeeping implemented in the substation area.	Maintain					
3	MACHECHE SUBSTATION	1	Secondary containment	Standing water in the secondary containment	Drain water	Water has been drained.Completed finding 09/28/2022		09/28/2022	ASAP	July 5, 2022
		2	Drain valve	not secured	Install pad lock				ASAP	July 5, 2022
		3	Secondary containment	Algae accumulation in the secondary containment	Conduct clean up	Algae has been cleaned and removed. Completed Finding:09/28/2022		09/28/2022	ASAP	July 27, 2022
4	TALOFOFO SUBSTATION	1	T80 Transformer and substation area	Oily water and algae accumulation inside secondary containment and drain sump.	Clean secondary containment, remove algae buildup and drain water frollowing proper draining protocol.				ASAP	July 29, 2022
5	TENJO SUBSTATION	1	Substation area	Secondary containment well maintained. Overgrown vegetation in substation area.	Trim/cut overgrown grass in facility				ASAP	July 29, 2022
6	YIGO SUBSTATION	1	Secondary containment	Standing water in the secondary containment	Drain water	Water has been drained. Completed finding 09/27/2022		09/27/2022	ASAP	July 5, 2022
		2	Secondary containment	Algae accumulation	Conduct clean up	Algae has been cleaned and removed. Completed finding 09/27/2022.		09/27/2022	ASAP	July 5, 2022

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Generation SPCC Inspection Report

SUMMARY OF GENERATION SPCC MONTHLY INSPECTION REPORT

MONTH OF SEPTEMBER 2022

POWER PLANT (GENERATION)

LEGEND OF TRACKING

- Notification Date
- Completed
- Within Scheduled Remediation
- Deadline is Past Due

Item #	POWER PLANT LOCATIONS		FINDINGS		RECOMMENDATION /REMARKS	STATUS	RESPONSIBLE	COMPLETION DATE	DUE DATE	INITIAL FINDINGS DATE
1	CABRAS POWER PLANT	1	Cabras 3&4 Generator Building	Rainwater in trenches/sump of Cabras 3 & 4 generator building.	Drain water following proper drainage procedure/protocol.	September 29, 2022 Draining of water is being conducted			ASAP	July 2021
		2	CPP Tank 3 & 4	Corroded supply pipelines	Remove rust/conduct repair and continuously monitor pipeline.				ASAP	Sept 2021
		3	Cabras Power Plan (CPP) 8" fuel supply line	No secondary containment	Continue monitoring for leaks and corrosion; immediately conduct repair on corroded pipe and supports.				ASAP	Nov. 2022
		4	CPP 3&4 fuel treatment house	Oil inside trenches inside the fuel treatment house (CPP 3&4).	Remove oil from trenches and conduct cleanup.	September 29, 2022 Draining is being conducted			ASAP	March 2022
		5	CPP Tank No. 2	~Pipe insulation (both fiberglass cladding and asbestos insulation) deterioration. ~Heavily corroded fuel supply/return pipe, valves, plunges, etc. (several locations). ~Rust/deterioration of electrical box, conduits next to fuel meter and at several locations	Conduct a more thorough inspection of fuel supply system: pipeline, valves, flanges, pipe support, include inspection of electrical system. Repair/replace as needed.				ASAP	April 29, 2022
		6	CP RFO Tank No.1	~Pipe insulation (both fiberglass cladding and asbestos insulation) deterioration. ~Top and bottom photos: Heavily corroded fuel supply/return pipe, valves, plunges, etc.	Conduct a more thorough inspection of fuel supply system: pipeline, valves, flanges, pipe support, include inspection of electrical system. Repair/replace as needed.				ASAP	April 29, 2022
		7	RFO supply line from FOT 1&2 to CPP 1&2	Rust and heavy deterioration, damaged insulation (several locations)	Repair/replace pipeline and insulation.				ASAP	April 29, 2022

Generation SPCC Inspection Report (cont.)

Item #	POWER PLANT LOCATIONS		FINDINGS		RECOMMENDATION /REMARKS	STATUS	RESPONSIBLE	COMPLETION DATE	DUE DATE	INITIAL FINDINGS DATE
1	CABRAS POWER PLANT	8	HS Service, LS Service and Diesel Storage Tanks	Rainwater inside containment	Drain water following proper drainage procedure/protocol.	Clean - Maintain		September 29, 2022	ASAP	August 29, 2022
		9	FOT 1,2,3 and 4 Secondary Containment	Rainwater inside containment	Continue draining water following proper drainage procedure/ protocol.	Clean - Maintain		September 29, 2022	ASAP	August 29, 2022
2	DEDEDO CT	1	OWS 1 & 2 tank shells & pipes	Corroded	Remove corrosion & repaint OWS				ASAP	Dec. 2021
		2	Fuel Loading & Unloading Area	Old AC Units	Dispose a/c units if not in use				ASAP	Jan 2022
		3	Oil drums	Improper storage of oil drums	Move oil-filled drums to proper storage				ASAP	July 27, 2022
		4	OWS1	Oil is leaking from OWS 1	Clean up oil with absorbent pads				ASAP	September 27, 2022
3	MACHECHE CT	1	Tank T-130/140 Tank Shells	Corroded tank shells	Chip corrosion and recoat				ASAP	July 2021
		2	Tank No. 130/140 Flange/Vent	Corroded tank vents	Check vents if clear and chip corrosion and recoat.				ASAP	Aug 2021
		3	Tank No. 130/140 Tank Supports	Corroded tank supports	Chip corrosion and recoat				ASAP	Jan. 2021
		4	OWS Secondary Containment	Oil and algae accumulation	Conduct clean up and dispose oil				ASAP	Dec.2021
		5	Drum Storage Area	Oil and sludge in the drain trenches and sump pit of the drum storage	Conduct clean up				ASAP	June 3, 2022
4	MANENGGON DIESEL	1	Tank No. 1 Shell	Corroded tank shell	Chip corrosion and recoat				ASAP	May 2021
		2	Secondary containment	Accumulation of water in secondary containment due to persistent rain	Drain water and maintain				ASAP	July 29,2022

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Generation SPCC Inspection Report (cont.)

Item #	POWER PLANT LOCATIONS		FINDINGS		RECOMMENDATION /REMARKS	STATUS	RESPONSIBLE	COMPLETION DATE	DUE DATE	INITIAL FINDINGS DATE
5	PITI #7 POWER PLANT	1	Main Fuel Tank, Day Tank #1&2	No integrity testing	Conduct Integrity Testing				ASAP	January 2018
		2	Old Piti Power Plant Yard	Drums of used resin stored at old Piti Plant	Dispose resins				ASAP	July 2021
		3	Old Piti Power Plant grounds	Debris in the Power Plant grounds	Dispose debris				ASAP	May 2022
		4	Secondary containment of Day Tanks 1 & 2	Algae accumulation in the secondary containment of Day	Conduct clean up				ASAP	August 1, 2022
		5	Valves located outside the main tank	Corroded valves outside the main tank	Chip corrosion & repaint	Repainted (Corrected)		September 30, 2022	ASAP	Feb 2022
6	TALOFOFO DIESEL	1	Fuel storage tank area.	Algae build-up in containment deck	Remove algae				ASAP	July 29, 2022
		2	Building, facility and engine room, etc.	Good housekeeping observed in the facility.	Maintain			July 29, 2022	ASAP	May 26, 2022
7	TENJO DIESEL	1	Tank Farm Area	Corroded valve and flange, rust buildup & pitting observed on fuel supply and return line (several locations at Tank Farm area)	Remove corrosion and repaint				ASAP	September 30, 2022
		2	FOTs	Corrosion buildup above and under FOTs, rust buildup at tank supports	Remove corrosion and repaint				ASAP	September 30, 2022
		3	OWS	Pipe corrosion at OWS, water and oil sheen observed	Repair pipe and remove oil from secondary containment. Clean area.				ASAP	September 30, 2022
		4	Engine room	oil spillage observed on engine room floor near day tank areas	Clean, remove oil spilled on work area at all times. Practice good housekeeping.				ASAP	September 30, 2022

Generation SPCC Inspection Report (cont.)

Item #	POWER PLANT LOCATIONS		FINDINGS		RECOMMENDATION /REMARKS	STATUS	RESPONSIBLE	COMPLETION DATE	DUE DATE	INITIAL FINDINGS DATE
8	YIGO CT	1	Tank 140 Tank Shell	Corroded tank	Chip corrosion and recoat				ASAP	Dec. 2021
		2	Tank 130 and 140 Vents	Corroded tank vents for Tanks 130 and 140.	Check vents if clear and chip corrosion and recoat.				ASAP	Dec. 2021
		3	Tank 110 pipe	Corroded	Chip corrosion and recoat				ASAP	July 5, 2022
		4	Drum storage Area	Corroded oil drums, uncovered sludge drum and other debris in the drum storage area	Remove oil & dispose drums				ASAP	Jan 2022
		5	Drum Storage Sump Pit	Oil sludge	Conduct cleanup				ASAP	Jan 2022
		6	Oil Water Separator secondary containment	Unknown chemical in the OWS secondary containment	Remove oil and clean containment				ASAP	Jan 2022
		7	Secondary containment for Day Tanks 110, 120, 130 and 140	Oil sludge found in the drain pit	Remove oil and drain				ASAP	August 24, 2022
9	YIGO DIESEL	1	Site Facility	Good housekeeping is implemented in the plant	Maintain					
		2	Pipeline	No secondary containment	Daily inspection is required				ASAP	July 2021

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NET METERING
September 2022

	Quantity	Connected kVA
Completed	2,384	29,994
Pending	1	7
Grand Total	2,385	30,001

Rate Class and Technology

Technology	Schedule	Customer Count	Total kW
Solar Energy	R - Residential	2,204	21,436.49
	J - Gen Service Dmd	69	4,341.45
	K - Small Gov Dmd	16	663.66
	L - Large Government	2	122.80
	P - Large Power	14	1,254.70
	G - Gen Serv Non-Dmd	70	2,092.29
	S - Sm Gov Non-Dmd	7	78.80
Wind Turbine	R - Residential	2	3.60
Grand Total		**2,384**	**29,993.79**

Projection Date Ending 12/31/2022

Customer Rate Class	Sum of Size (kW)	*Annual Projected kWh Generated	Non-Fuel Yield $/kWh	Estimated Annual Revenue Loss
R	21,440.09	34,235,264	0.087492	$ 2,995,312.66
J	4,341.45	6,958,584	0.125682	$ 874,568.93
K	663.66	883,453	0.133883	$ 118,279.32
L	122.80	200,522	0.129809	$ 26,029.59
P	1,254.70	2,023,065	0.109950	$ 222,436.06
G	2,092.29	3,334,666	0.145397	$ 484,850.47
S	78.80	123,265	0.147902	$ 18,231.16
Grand Total	**29,993.79**	**47,758,818**		**$ 4,739,708.19**

*Estimated number of hours from NREL for Guam (13.4 degrees North and 144 degrees East).

Estimated Annual Revenue Loss

Year	Estimated kWh	*Total Estimated Cost
2021	42,545,416	$ 4,146,394.89
2020	39,941,816	$ 3,874,385.68
2019	36,806,287	$ 3,546,649.04
2018	34,981,036	$ 3,521,130.12
2017	28,242,917	$ 2,828,834.71
2016	21,867,383	$ 2,200,794.56
2015	7,383,621	$ 856,921.27
2014	3,137,212	$ 410,558.94
2013	1,556,949	$ 178,996.00
2012	494,672	$ 58,545.89
2011	170,070	$ 18,177.13
2010	98,830	$ 8,483.27
2009	23,912	$ 1,656.87

*Source for effective yield rate from the Year End Revenue Reports (12 month Average Yield)

NET METERING

September 2022

Customer Count and Connected kW by Feeder

Status	Feeder	Net Metering Connected kW	Customer Count	% of Feeder Maximum kW	% of Feeder Minimum Daytime kW
Completed	P-005	394.87	35	22.9%	46.0%
	P-046	323.09	38	7.6%	11.6%
	P-088	903.38	85	15.0%	23.7%
	P-089	763.45	85	17.1%	41.1%
	P-111	241.00	6	4.5%	7.8%
	P-203	848.09	47	11.3%	32.1%
	P-204	164.18	18	3.5%	7.2%
	P-205	138.00	7	2.9%	4.9%
	P-210	888.13	72	17.4%	23.6%
	P-212	1,132.00	108	27.4%	70.8%
	P-213	555.69	19	21.2%	28.5%
	P-220	225.41	24	37.0%	116.2%
	P-221	662.96	66	15.1%	30.0%
	P-223	763.67	71	32.1%	45.8%
	P-240	178.55	5	2.7%	24.0%
	P-245	459.60	9	9.2%	19.6%
	P-250	1,576.73	141	24.2%	42.6%
	P-251	257.30	14	10.3%	16.0%
	P-253	1,049.65	101	23.3%	36.9%
	P-262	1,299.44	129	34.1%	81.8%
	P-270	562.21	44	11.0%	22.3%
	P-271	433.37	20	7.4%	15.6%
	P-272	350.05	25	13.7%	31.1%
	P-280	704.45	39	39.2%	72.8%
	P-281	204.90	5	7.3%	20.4%
	P-282	231.75	6	6.2%	18.7%
	P-283	829.95	66	22.9%	39.3%
	P-294	1,471.14	137	34.0%	67.3%
	P-301	260.56	26	18.4%	32.8%
	P-311	1,393.84	73	34.9%	59.8%
	P-322	2,294.17	127	30.2%	60.0%
	P-323	316.52	21	6.7%	20.8%
	P-330	782.35	94	14.4%	28.9%
	P-331	867.67	96	13.8%	22.3%
	P-332	949.10	87	16.8%	24.6%
	P-340	656.49	56	36.2%	79.7%
	P-087	1,633.30	160	41.6%	65.1%
	P-252	720.05	40	17.1%	34.8%
	P-321	488.98	40	8.7%	9.8%
	P-260	117.76	11	17.1%	58.9%
	P-067	86.20	10	1.0%	1.3%
	P-312	167.44	8	10.0%	11.7%
	P-206	136.08	7	13.9%	25.2%
	P-242	23.75	2	0.4%	1.1%
	P-310	181.57	8	6.6%	12.1%
	P-261	522.06	55	18.9%	32.4%
	P-201	115.86	10	3.3%	5.8%
	P-007	85.86	8	11.9%	25.3%
	P-244	86.56	3	4.9%	5.0%
	P-202	240.10	8	7.4%	17.8%
	P-341	33.95	3	2.9%	12.9%
	P-401	117.00	2	10.3%	17.3%
	P-400	83.88	6	8.8%	8.9%
	P-241	19.72	1	0.5%	0.7%
Completed Total		**29,993.79**	**2,384**		
pending	Pending	7.31	1	0.0%	0.0%
pending Total		**7.31**	**1**	**0.0%**	**0.0%**
Grand Total		**30,001.10**	**2,385**		

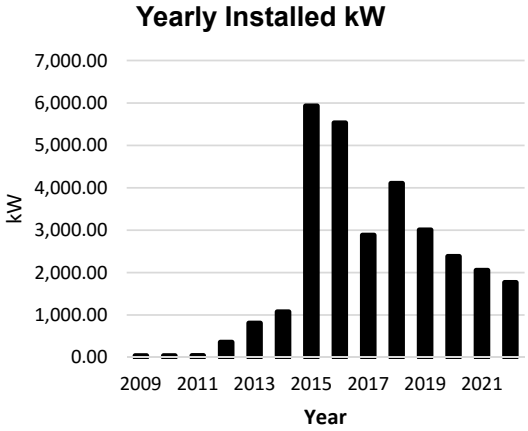
Feeders highlighted in yellow indicates renewable energy capacity has reached 25% of minimum daytime load.

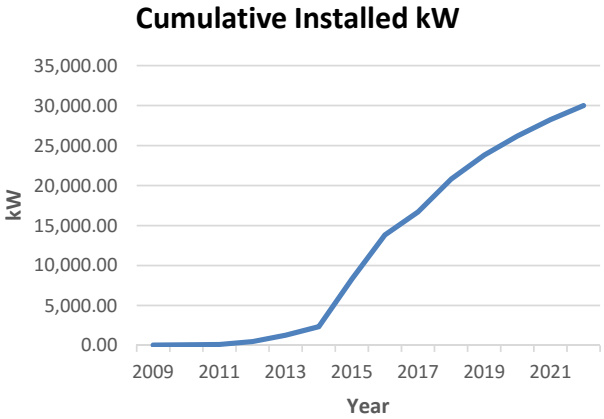
Feeders highlighted in red indicates renewable energy capacity has reached 75% of minimum daytime load.

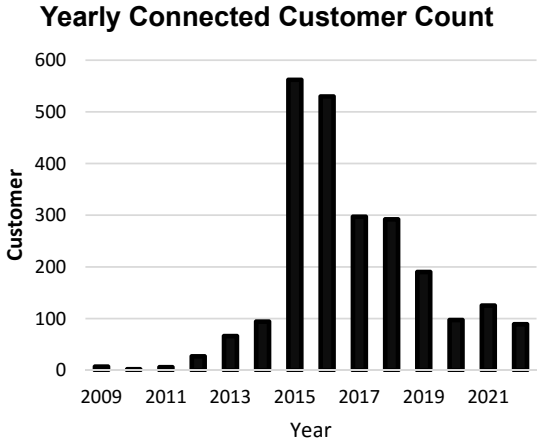
NET METERING
September 2022

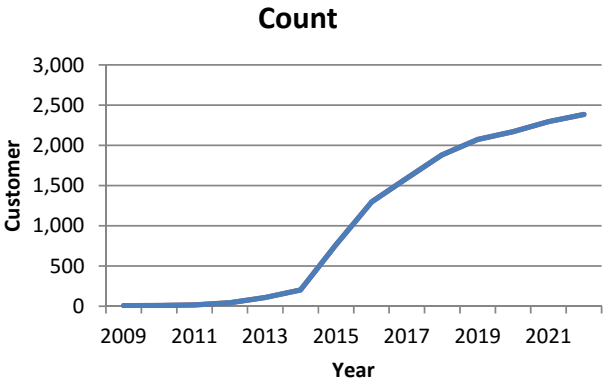
Installed kW by Year		
Year	Total	Cumulative
2009	39.46	39.46
2010	39.20	78.66
2011	41.61	120.27
2012	354.61	474.88
2013	808.15	1,283.03
2014	1,072.04	2,355.07
2015	5,926.44	8,281.51
2016	5,527.93	13,809.43
2017	2,881.10	16,690.53
2018	4,103.13	20,793.66
2019	3,002.17	23,795.83
2020	2,380.16	26,175.99
2021	2,053.29	28,229.28
2022	1,764.51	29,993.79
Grand Total	29,993.79	

Customer Count by Year		
Year	Total	Cumulative
2009	7	7
2010	2	9
2011	6	15
2012	27	42
2013	66	108
2014	94	202
2015	562	764
2016	530	1,294
2017	297	1,591
2018	292	1,883
2019	190	2,073
2020	97	2,170
2021	125	2,295
2022	89	2,384
Grand Total	2,384	





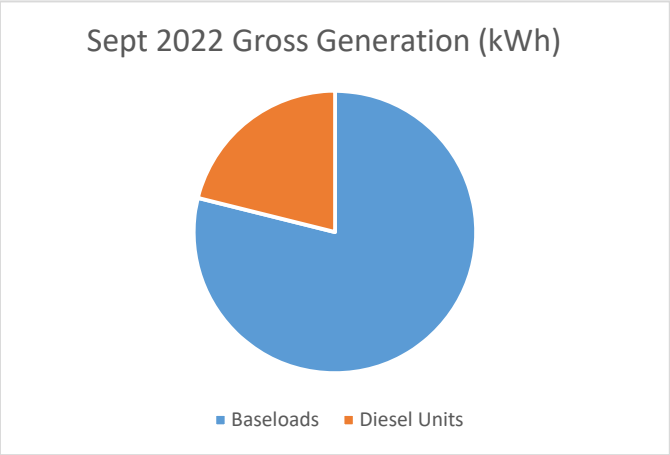




Production Data September 2022

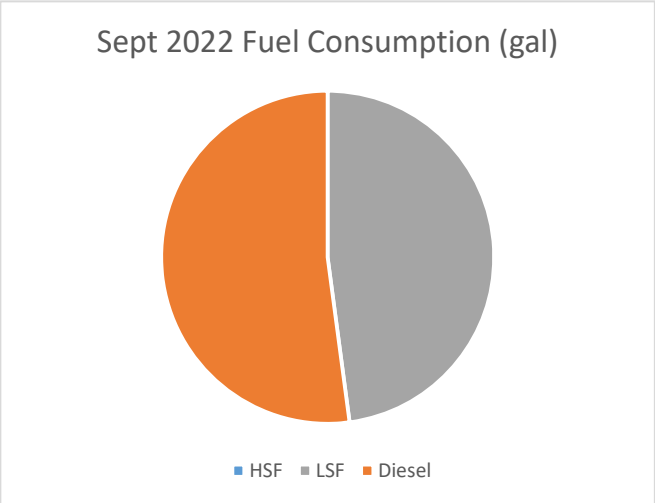
2022 Gross Generation (kWh)

Month	Baseloads	Diesel Units
January	109,627,200	23,364,899
February	76,592,500	44,923,315
March	81,918,260	57,565,504
April	87,787,300	49,213,804
May	81,920,700	60,791,103
June	95,344,100	35,377,172
July	91,785,300	36,064,854
August	77,501,200	51,030,336
September	100,831,700	26,969,357
October		
November		
December		



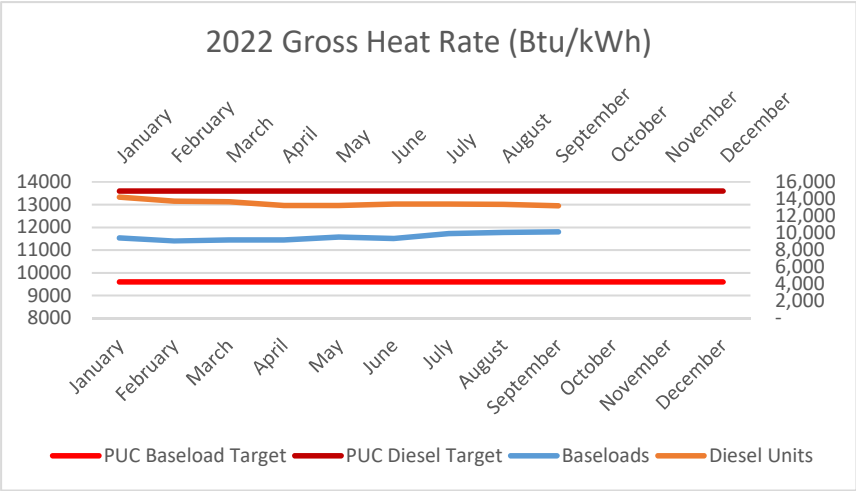
2022 Fuel Consumption (gal)

Month	Baseloads		Diesel Units
	HSF	LSF	Diesel
January	6,039,882	1,088,908	2,450,365
February	2,046,610	2,742,653	4,552,020
March	2,047,536	3,149,528	5,799,290
April	1,287,548	4,081,042	4,798,917
May	1,641,327	3,727,480	5,934,125
June	2,352,232	3,798,465	3,495,126
July	2,556,119	3,507,059	3,562,470
August	-	3,915,269	6,498,564
September	-	4,630,550	5,036,965
October			
November			
December			



2022 Gross Heat Rate (Btu/kWh)

Month	Baseloads	Diesel Units
January	9,448	14,233
February	9,082	13,752
March	9,216	13,672
April	9,196	13,234
May	9,527	13,248
June	9,369	13,408
July	9,947	13,406
August	10,089	13,378
September	10,147	13,201
October		
November		
December		



ENGINEERING WORK ORDERS

Engineering Work Order Summary - September 2022	
Work Orders Received from CSR	90
Work Orders Processed & Released to T&D	191
Work Orders Processed & Released to CSR	N/A
Work Orders Cancelled	N/A
Work Orders Pending Survey	22
Total Pending WO at Engineering	507

Engineering Large Customer, GPI and Net Metering Tracking

Date Received	Customer Name	Work Order Numbers	Location	kVA	Meter Qty	Status
1/27/2015	TG Engineers	422182-85, 90-93, 96-98	Agana Heights	100	11	10 Unit Apartment, 100 kVA, 95% Completed. Pending inspection report. 100% completed. Released to T&D
6/1/2017	New Underground Line (P-047)	466064	Tumon	1,500	1	New Undergound line 99% completed, Riser terminated. Mandrelling completed on completed sections. T&D started pulling wire and installing splices in August 2019. Pending final outage at SV1A and SV1B and repair of existing arms and metal brackets on P-047. Design for P-047 Repair of Support Arms on going 100% completed pending budget.
3/1/2018	Docomo Pacific Inc., New Data Center	Pending Application	Talofofo	3,000	1	New Data Center. Planned to come off P-260 and P-262. 0% Completed. Currently in design pending updates from designer.
10/10/18	Don Sadwahni	465341	Harmon	2,000	1	New Industrial Subdivision, Inspection of civil work only, Proposed 12 Pad Mounted Xfmrs 100% Completed, pending submission of meter applications. Work orders for the streetlights and the new GWA pump station have been fowarded to T&D.
05/14/19	Joyrich Group LLC	Multiple	Tamuning	150	17	New 17 Unit Apartments, 75% completed, 150 kVA. No recent progress.
07/07/20	Guam Waterworks Authority New Northern Wastewater Plant	479663	Dededo	3,500	1	New Northern Wastewater Plant, 100% completed, 3500kVA. On temp power now. Power will be limited to 20% of capacity until completion of P-046, P-271 and P-112 Load redistribution and completion of the GRMC riser.
11/19/20	Paradise Subdivision	Pending Applications	Mangilao	170	17	17 Unit subdivision, pending submission of plans and permitting.
01/31/21	Songsong Hills Subdivision	484158	Yigo	160	1	New 16 Unit Subdivision, 92% completed, multiple xfmrs. Temp power completed, pending submission of meter applications.
01/31/21	GWA -Kaiser Reservoir	484070	Dededo	14	1	New GWA Reservoir, 95% completed.
04/06/21	LF Corp ABA American Grocery	4885427	Barrigada	500	1	New American Grocery. This is 92% completed.
06/30/21	Guam Five Star Corporation	Multiple	Dededo	1,160	45	New 116 Unit Subdivision, 45 application submitted, 100 Applications pending, 45 units completed and energized. Pending submission of applications for the remaining units.
08/01/21	DPW Primary Village and Secondary	Multiple	Island Wide	29.7	394	New Streetlight 445 street light applications released to T&D as of July 31, 2022.
09/24/21	Guam Advance Ent. Inc (Ukudu Power Plant)	489288	Dededo	2,200	1	Temp Power for New Ukudu Power Plant. 27 ea. 45' C/P and 7 Pad Mtd X-Fmr 2200 KVA total load. 90% completed. CT'snd PT's were recently delivered. T&D began primary meter installation and is awaiting Navy coordination for final connection.
10/31/21	GTA Data Center	Pending Application	Tamuning	2,500	1	New Data Center, 2500 kVA, pending submission of revised plans showing 13.8 kV primary metered facilities. GTA looking at adding a 34.5 kV backup.
11/01/21	IT&E Data Center	Pending Application	Tamuning	2,500	1	New Data Center, 2500 kVA, pending submission of plans and permitting.
11/30/21	Coast 360 Federal Credit Union	490768	Tamuning	300	1	New Coast 360 Federal Credit Union. 70% Completed.
02/17/22	Future World Corporation	491985, 492634-9, 41-44	Barrigada	300	1	New office building. 100% completed and release to T&D. A GPI to remove a D/G was fowarded to T&D.
02/24/22	Canton Construction Corp.	492230	Hagatna	500	1	New Community First Bank, 70% Completed.
06/15/22	Pan Pacfic Retail Management (Guam) Co	494505	Tamuning	5500	1	New Don Quixote Shopping Center. 2-2000kVA 1-1500 kVA, 80% completed.
06/17/22	KEPCO Mangilao Solar	494424	Mangilao	13	1	Kepco 13 ea. Streetlight and 40 ea. pole line extension at Survey. $270K Paid in Full.
09/13/22	Pacific Unlimited	496781	Piti to Dededo			Escort Services for oversized vehicles for new Ukudu power plant. Multiple line relocations and line removals are requied. A GPI and chargeable child work orders have been created to track cost.
Varies	Pending Net Metering Customers	Varies	Various Locations Islandwide		1	Pending Net Metering Customers as of September 30, 2022.
			Total	**26,097**	**500**	

GUAM POWER AUTHORITY
GOVERNMENT ACCOUNTS RECEIVABLE
Billing up to September 30, 2022 and payments as of 10/12/2022

Current (09/30/2022 Billing due 10/30/2022)
31 days Arrears 08/31/2022 due 10/01/2022)
61 days and over Arrears (07/31/22 billing due 08/31/2022)

CC&B New Acct Numer	DEPARTMENT	CC&B BALANCE 08/31/2022	CANCEL/REBILL/ SPEC CHARGE 10/12/2022	BILLING 09/30/2022	PAYMENT UP TO 10/12/2022	CC&B BALANCE 10/12/2022	AGING 0-30 Days	31-60 Days	61-90 Days	91-120 Days	>120 Days	Total
	Line Agencies											
3404311949	Guam Environmental Protect	27,873.30	-	9,693.21	(8,960.89)	28,605.62	9,693.21	9,322.91	9,589.50	-	-	28,605.62
4554808900	Nieves Flores Library	29,480.29	-	16,249.07	(14,568.75)	31,160.61	16,249.07	14,911.54	-	-	-	31,160.61
6069461950	Dept of Youth Affairs (Federal)	1,332.56	-	895.40	-	2,227.96	895.40	679.66	652.90	-	-	2,227.96
6293410000	Office of the Governor	61,105.58	-	33,745.29	(30,447.46)	64,403.41	33,745.29	30,658.12	-	-	-	64,403.41
6841080463	Guam Behavioral Health & Wellness	17,049.37	-	6,609.50	(5,412.38)	18,246.49	6,609.50	5,797.74	5,805.25	34.00	-	18,246.49
7928924534	Guam Visitors Bureau	6,419.90	11,677.92	7,165.47	(6,419.90)	18,843.39	18,843.39	-	-	-	-	18,843.39
3227759982	Mental Health/Subst.	209,407.62	-	77,105.37	(66,304.14)	220,208.85	77,105.37	70,949.80	72,153.68	-	-	220,208.85
7813165805	Pacific Energy Resource Center	1,460.16	-	817.07	(1,460.16)	817.07	817.07	-	-	-	-	817.07
2913461537	Dept. of Youth Affair* (Local)	39,944.02	-	22,005.15	-	61,949.17	22,005.15	20,819.26	19,124.76	-	-	61,949.17
1073430238	Dept. of Corrections	211,636.96	-	114,374.00	-	326,010.96	114,374.00	105,504.84	106,132.12	-	-	326,010.96
3558733700	Dept of Chamorro Affairs/Chamorro Village (NET M	28.32	-	14.16	(14.16)	28.32	14.16	14.16	-	-	-	28.32
1099514147	Dept of Chamorro Affairs/Repository	761.46	-	366.63	(472.35)	655.74	366.63	289.11	-	-	-	655.74
9541109130	General Services Agency	595.13	-	324.52	(1,923.03)	(1,003.38)	(1,003.38)	-	-	-	-	(1,003.38)
7663706771	Yona Senior Citizen Center	2,017.44	-	1,160.33	-	3,177.77	1,160.33	980.73	1,036.71	-	-	3,177.77
8564647941	DOA Supply Mgmt (NET METERED)	2,579.11	-	1,534.24	(1,251.21)	2,862.14	1,534.24	1,327.90	-	-	-	2,862.14
0070861777	Veteran Affairs	8,523.56	-	3,402.06	(2,690.77)	9,234.85	3,402.06	2,841.06	2,991.73	-	-	9,234.85
5247210000	Mayors Council	21,514.03	264.94	4,474.07	-	26,253.04	4,739.01	3,897.66	3,610.13	3,825.01	10,181.23	26,253.04
4129948191	Dept of Chamorro Affairs/Chamorro Village	8,142.61	-	4,141.48	(4,284.03)	8,000.06	4,141.48	3,858.58	-	-	-	8,000.06
4211873236	Dept. of Administration	32,416.80	-	17,231.29	(29,305.45)	20,342.64	17,231.29	3,111.35	-	-	-	20,342.64
1621790133	DOA-Data Processing	27,237.26	-	15,439.08	(13,608.93)	29,067.41	15,439.08	13,628.33	-	-	-	29,067.41
1595188609	Dept. of Agriculture	40,583.74	-	18,522.97	-	59,106.71	18,522.97	17,062.08	16,385.04	7,136.62	-	59,106.71
8300435373	Civil Defense (Military Affairs)	15,841.50	-	13,443.87	-	29,285.37	13,443.87	15,841.50	-	-	-	29,285.37
0453170939	Guam Fire Department	43,723.90	-	23,126.64	-	66,850.54	23,126.64	21,908.35	21,815.55	-	-	66,850.54
8555858369	Dept of Chamorro Affairs (Guam Museum)	112,673.62	-	41,283.82	(33,559.19)	120,398.25	41,283.82	37,984.82	41,129.61	-	-	120,398.25
1896187753	Dept. of PH&SS	172,178.41	-	55,141.94	(24,739.62)	202,580.73	55,141.94	53,294.01	53,029.40	41,115.38	-	202,580.73
0040515913	Dept. of Parks & Rec.	31,291.61	-	16,517.28	(15,001.03)	32,807.86	16,517.28	16,290.58	-	-	-	32,807.86
2535590089	DPW-FAC Adm Account	78,165.22	140.27	14,466.61	-	92,772.10	14,606.88	23,110.08	23,024.70	21,550.88	10,479.56	92,772.10
6504086567	DPW-FAC Adm Account (NET METERED)	44,533.11	-	16,187.87	-	60,720.98	16,187.87	15,075.45	15,664.18	13,793.48	-	60,720.98
7252821074	Dept. of Education	2,639,428.43	144.34	1,562,086.16	-	4,201,658.93	1,562,230.50	1,371,202.36	1,220,074.92	48,151.15	-	4,201,658.93
0266069082	Guam Police Department	159,771.29	-	67,469.19	(119,334.99)	107,905.49	67,469.19	40,436.30	-	-	-	107,905.49
	Sub-total	**4,047,716.31**	**12,227.47**	**2,164,993.74**	**(379,758.44)**	**5,845,179.08**	**2,175,893.31**	**1,900,798.28**	**1,612,220.18**	**135,606.52**	**20,660.79**	**5,845,179.08**
	Mayors											
6393530237	Hagatna Mayor	1,727.82	-	861.18	-	2,589.00	861.18	749.54	978.28	-	-	2,589.00
4469579998	Merizo Mayor	3,264.02	-	2,043.75	-	5,307.77	2,043.75	1,635.80	1,628.22	-	-	5,307.77
1880297633	Talofofo Mayor	3,759.47	-	2,120.92	-	5,880.39	2,120.92	1,870.81	1,888.66	-	-	5,880.39
0492244686	Asan/Maina/Adelup Mayor	3,769.61	-	1,945.69	-	5,715.30	1,945.69	1,747.57	2,021.94	0.10	-	5,715.30
3293808984	Piti Mayor	3,567.19	-	1,734.63	-	5,301.82	1,734.63	1,675.12	1,892.07	-	-	5,301.82
7202265287	Umatac Mayor	2,442.07	-	1,237.38	-	3,679.45	1,237.38	1,104.46	1,337.61	-	-	3,679.45
1837525565	Yona Mayor	7,943.01	-	3,290.32	-	11,233.33	3,290.32	3,755.35	4,187.66	-	-	11,233.33
5763167341	Barrigada Mayors Office	9,619.41	-	4,345.66	-	13,965.07	4,345.66	4,678.05	4,941.36	-	-	13,965.07
8715052935	Mongmong/Toto/Maite Mayor	3,082.72	-	1,549.37	-	4,632.09	1,549.37	1,601.49	1,481.23	-	-	4,632.09
7037924246	Yigo Mayor	10,587.39	-	5,431.24	-	16,018.63	5,431.24	5,348.53	5,238.86	-	-	16,018.63
8433959204	Sinajana Mayor	12,824.56	-	5,684.73	-	18,509.29	5,684.73	5,969.17	6,855.39	-	-	18,509.29
8472200165	Agana Hts. Mayor	7,922.83	-	4,649.72	-	12,572.55	4,649.72	3,660.69	4,262.14	-	-	12,572.55
3832327736	Santa Rita Mayor	9,560.49	-	4,952.89	-	14,513.38	4,952.89	4,734.58	4,825.91	-	-	14,513.38
3631627996	Mangilao Mayor	6,352.85	-	3,696.50	-	10,049.35	3,696.50	3,178.61	3,174.24	-	-	10,049.35
8041715847	Dededo Mayor	15,105.23	-	12,383.84	-	27,489.07	12,383.84	7,628.53	7,476.70	-	-	27,489.07
6957205325	Tamuning Mayor	14,491.19	-	7,362.26	-	21,853.45	7,362.26	6,993.95	7,497.24	-	-	21,853.45
6078244037	Inarajan Mayor	7,930.89	-	4,157.14	-	12,088.03	4,157.14	3,995.47	3,935.42	-	-	12,088.03
7247791682	Agat Mayor	7,629.06	-	4,133.66	-	11,762.72	4,133.66	3,808.78	3,820.28	-	0.00	11,762.72
9351070242	Ordot/Chalan Pago Mayor	2,797.83	134.48	1,586.08	(138.48)	4,379.91	1,720.56	1,290.24	909.78	459.33	-	4,379.91
	Sub-total	**134,377.64**	**134.48**	**73,166.96**	**(138.48)**	**207,540.60**	**73,301.44**	**65,426.74**	**68,352.99**	**459.43**	**0.00**	**207,540.60**
	DPW Accounts											
0832698062	DPW-Signal Lights	38,834.39	-	12,425.57	-	51,259.96	12,425.57	11,708.50	11,866.48	10,419.01	4,840.40	51,259.96
0930959866	DPW- Primary St. Lights	411,267.54	20,548.02	90,889.89	-	522,705.45	108,920.05	82,026.58	77,393.21	77,081.10	177,284.51	522,705.45
3045433600	DPW-Village St. Lights	1,361,738.75	80,928.67	395,284.27	-	1,837,951.69	446,686.39	366,873.31	327,848.92	329,348.48	367,194.59	1,837,951.69
3088040552	DPW-Sec/Coll St. Lights	67,852.55	-	22,264.20	-	90,116.75	22,264.20	21,104.73	20,532.06	20,574.59	5,641.17	90,116.75
	Sub-total	**1,879,693.23**	**101,476.69**	**520,863.93**	**-**	**2,502,033.85**	**590,296.21**	**481,713.12**	**437,640.67**	**437,423.18**	**554,960.67**	**2,502,033.85**
	Autonomous/Public Corp											
0838495949	Guam Waterworks Authority	3,668,211.74	105.18	2,216,820.06	(3,668,211.74)	2,216,925.24	2,216,925.24	-	-	-	-	2,216,925.24

GOVERNMENT ACCOUNTS RECEIVABLE

Billing up to September 30, 2022 and payments as of 10/12/2022

31 days Arrears 08/31/2022 due 10/01/2022)
61 days and over Arrears (07/31/22 billing due 08/31/2022)

CC&B New Acct Numer	DEPARTMENT	CC&B BALANCE 08/31/2022	CANCEL/REBILL/ SPEC CHARGE 10/12/2022	BILLING 09/30/2022	PAYMENT UP TO 10/12/2022	CC&B BALANCE 10/12/2022	AGING 0-30 Days	31-60 Days	61-90 Days	91-120 Days	>120 Days	Total
1540692986	Retirement Fund	7,527.37	-	8,156.38	(7,527.37)	8,156.38	8,156.38	-	-	-	-	8,156.38
4075914809	GPA	-	(135,422.34)	135,422.34	-	-	-	-	-	-	-	-
5357510000	University of Guam (NET METERED)	101,641.43	-	110,530.16	(101,641.43)	110,530.16	110,530.16	-	-	-	-	110,530.16
6518220019	Guam Community College	53,719.52	-	62,826.15	(53,719.52)	62,826.15	62,826.15	-	-	-	-	62,826.15
7736362694	Guam Airport Authority	579,057.47	(14,566.70)	761,397.04	(579,057.47)	746,830.34	746,830.34	-	-	-	-	746,830.34
8302337726	Guam Memorial Hospital	129,872.90	-	49,294.53	(39,043.54)	140,123.89	49,294.53	44,900.81	45,928.55	-	-	140,123.89
8426836906	Guam Memorial Hospital (NET METERED)	669,592.77	-	260,868.85	(199,190.58)	731,271.04	260,868.85	239,473.05	230,929.14	-	-	731,271.04
9157510000	Guam Community College (NET METERED)	55,508.69	-	63,754.96	(55,508.69)	63,754.96	63,754.96	-	-	-	-	63,754.96
0563872892	Guam Housing Corp Rental Division	1,550.14	25.00	1,606.40	(1,550.14)	1,631.40	1,631.40	-	-	-	-	1,631.40
9173210000	Guam Solid Waste Authority	10,544.84	-	12,602.78	(10,544.84)	12,602.78	12,602.78	-	-	-	-	12,602.78
5434075703	University of Guam	242,981.21	-	272,465.35	(242,981.21)	272,465.35	272,465.35	-	-	-	-	272,465.35
1699407298	G H U R A	53,830.77	(4,218.13)	37,330.39	(53,830.77)	33,112.26	33,112.26	-	-	-	-	33,112.26
4474308144	Port Authority of Guam	120,377.19	(1,244.90)	150,458.04	(120,377.19)	149,213.14	149,213.14	-	-	-	-	149,213.14
	Sub-total	**5,694,416.04**	**(155,321.89)**	**4,143,533.43**	**(5,133,184.49)**	**4,549,443.09**	**3,988,211.54**	**284,373.86**	**276,857.69**	**-**	**-**	**4,549,443.09**
	Others											
3209463043	Dept. of Military Affairs (NET METERED)	50,368.66	-	68,485.57	(22,875.48)	95,978.75	68,485.57	27,493.18	-	-	-	95,978.75
4530787043	U.S. Post Office	57,416.94	-	66,336.17	(57,416.94)	66,336.17	66,336.17	-	-	-	-	66,336.17
6000770566	KGTF	21,916.93	-	5,821.11	-	27,738.04	5,821.11	5,162.07	6,923.58	9,831.28	-	27,738.04
6602566745	Tamuning Post Office	8,058.92	-	8,648.27	(8,058.92)	8,648.27	8,648.27	-	-	-	-	8,648.27
7541928173	Guam Legislature	443.32	-	462.14	(443.32)	462.14	462.14	-	-	-	-	462.14
8108458168	Guam Post Office (Agana)	8,240.99	-	9,097.51	(8,240.99)	9,097.51	9,097.51	-	-	-	-	9,097.51
8353274954	Superior Court of Guam	76,028.22	-	84,014.03	(76,028.22)	84,014.03	84,014.03	-	-	-	-	84,014.03
8607446612	Dept. of Military Affairs	211,246.21	-	82,310.25	(52,862.43)	240,694.03	82,310.25	108,571.15	49,812.63	-	-	240,694.03
8972267005	Customs & Quarantine Agency	4,009.98	-	905.41	-	4,915.39	905.41	847.64	850.65	796.23	1,515.46	4,915.39
7871864047	CUSTOMS & QUARANTINE AGENCY	-	50.00	161.87	-	211.87	211.87	-	-	-	-	211.87
9503154359	Guam Legislature (NET METERED)	11,424.11	-	12,251.25	(11,424.11)	12,251.25	12,251.25	-	-	-	-	12,251.25
	Sub-total	**449,154.28**	**50.00**	**338,493.58**	**(237,350.41)**	**550,347.45**	**338,543.58**	**142,074.04**	**57,586.86**	**10,627.51**	**1,515.46**	**550,347.45**
Grand Total		**12,205,357.50**	**(41,433.25)**	**7,241,051.64**	**(5,750,431.82)**	**13,654,544.07**	**7,166,246.08**	**2,874,386.04**	**2,452,658.39**	**584,116.64**	**577,136.92**	**13,654,544.07**