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GUAM ENERGY OFFICE

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# A REPORT TO OUR CITIZENS

Fiscal Year 2021 Citizens Centric Report

Posted September 2022

## ABOUT GUAM ENERGY OFFICE

The Guam Energy Office (GEO) is a small line agency within the Executive Branch of the Government of Guam. The Agency is 100% federally funded through the assistance of U.S. Department of Energy to implement grant programs focused on promoting energy efficiency and renewable energy to reduce energy consumption, reduce reliance on foreign oil, and reduce greenhouse gas emissions.

## OUR STRATEGY

The Guam Energy Office is committed to promote energy efficiency and provide energy-saving solutions to assist with reducing fossil fuel dependency, to partner with others to deploy renewable technologies, and to help reduce greenhouse emissions and protect the environment.



GEO continues to provide outreach and education to the community on **ENERGY CONSERVATION** and **ENERGY EFFICIENCY!**



## STATE ENERGY PROGRAM

The State Energy Program provides technical assistance on energy data for GovGuam agencies for economic analysis, hold training and workshops on energy-related topics and much more. GEO conducted its outreach and education efforts to include its **UnPlug It!** campaign through various media outlets and events. GEO held its annual Guam Energy Expo at the Micronesia Mall on Saturday, July 31, 2021. GEO invited several energy companies to participate in the Expo to showcase their products and energy saving technologies that are available to the community. GEO also invited several GovGu agencies to promote their programs such as the EnergySense Rebate Program and GEO's Weatherization and Plug-in Electric Vehicle Rebate Program. GEO continued to track gas prices at the pump and the monthly Consolidated Actual Fuel Sales by Petroleum Companies.



## PLUG-IN ELECTRIC VEHICLE REBATE PROGRAM

The Plug-In Electric Vehicle Rebate Program provides local funding for GEO to administer to island residents who purchase a new electric vehicle from a participating dealership a rebate of up to \$3,000. The program is to encourage island community to purchase electric vehicles to reduce their cost at the fuel pump. During the fiscal year, GEO issued a total of **11 rebates** to residents. The PEV rebate program is also available to businesses and non-profit organizations, however, GEO received no applications. Outreach efforts continued through various media outlets and events.



## ENERGYSMART SCHOOL ISLAND STYLE PROGRAM

Under the EnergySmart School Island Style Program, GEO, in partnership with Guam Power Authority, will provide four (4) schools an in-depth energy audit, development of site-specific recommendations for building upgrades, development of energy management plans, and the development of curriculum and student engagement services. Due to COVID-19, work was postponed until January 2021 where GEO/GPA began the in-depth energy audit for the 4 schools. In May, GEO/GPA presented the energy audit results to each school along with initiating the development of the Energy Management Plan. Each school was provided a curriculum training to include a free 1-year subscription to access free curriculum and engagement activities for the faculty and students. Additionally, GEO/GPA conducted a STEM Kit demonstration to each school along with 2 new STEM Kits. To close out the program, GEO will host an EnergySmart School Conference later in the year.

GEO/GPA Reps. presented the energy audit results to Temple Christian School reps.



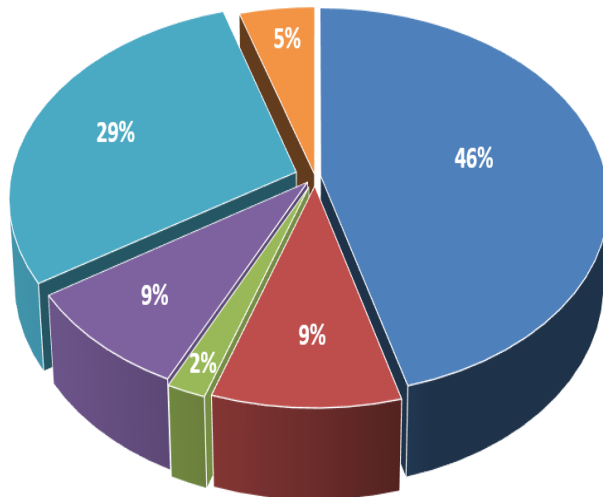
## WEATHERIZATION ASSISTANCE PROGRAM

The Weatherization Assistance Program (WAP) provides funding to States & Territories to help reduce energy costs for low income households by increasing the energy efficiency of their homes while ensuring their health and safety. GEO continued to reach out to the community to apply and receive free WAP services. GEO serviced **52** homes during the fiscal year. GEO continued to accept applications for the program and provided outreach and education through social media, local newspapers and events.



Weatherization clients received **FREE** energy efficient split air conditioners and refrigerator.

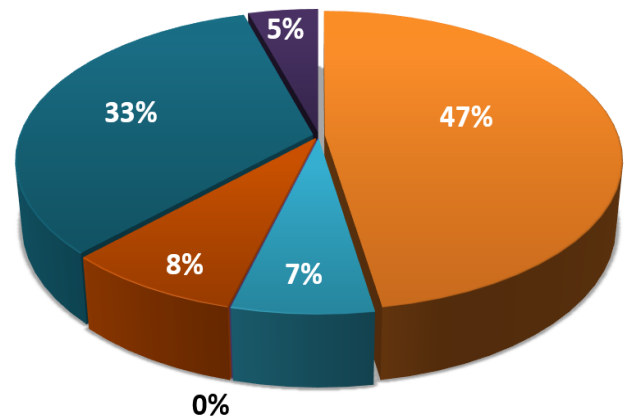
**REVENUES**



State Energy Program (SEP)	\$ 377,939
Petroleum Violation Escrow - Exxon	\$ 77,184
Petroleum Violation Escrow – Stripper	\$ 15,987
SEP Competitive	\$ 72,297
Weatherization Assistance Program	\$ 243,104
Plug-In Electric Vehicle Rebate	\$ 39,704
<b>TOTAL REVENUES</b>	<b>\$ 826,215</b>

**EXPENSES**

State Energy Program (SEP)	\$ 349,761
Petroleum Violation Escrow - Exxon	\$ 48,486
Petroleum Violation Escrow – Stripper	\$ -
SEP Competitive	\$ 60,422
Weatherization Assistance Program	\$ 245,563
Plug-In Electric Vehicle Rebate	\$ 33,000
<b>TOTAL EXPENSES</b>	<b>\$ 737,232</b>



The Government of Guam Single Audit Report ending September 30, 2021 (inclusive of GEO's grants) was released on July 18, 2021 by the Office of the Public Auditor. Visit [www.guamopa.org](http://www.guamopa.org) for more information.

**2021 CONSOLIDATED REPORT OF ACTUAL FUEL SALES BY PETROLEUM CO.**

Type of Refined Oil Products	Fuel sales by Petroleum Companies
UNLEADED REGULAR MOTOR GASOLINE	40,387.00
UNLEADED MIDGRADE MOTOR GASOLINE	257.00
PREMIUM MOTOR GASOLINE	7,535.00
NO. 2 DIESEL OIL < 5 PERCENT SULFUR	47,591.00
KEROSENE-TYPE JET FUEL (Jet A-1)	25,233.00
RESIDUAL FUEL OIL > 1% SULFUR	0.00
PROPANE, CONSUMER GRADE	2,933.00
<b>TOTAL</b>	<b>123,936.00</b>

Note: Amounts are in Thousands of Gallons.

GEO continues to compile fuel and power data from petroleum companies, government of Guam agencies/departments and others through internal and external resources.



**GAS PRICES AT THE PUMP**

	YEARLY AVERAGE		
	2021	2020	2019
<b>REGULAR</b>	\$ 4.57	\$ 3.60	\$ 4.16
<b>MIDGRADE</b>	\$ 4.77	\$ 3.80	\$ 4.34
<b>PREMIUM</b>	\$ 4.97	\$ 4.00	\$ 4.54
<b>DIESEL</b>	\$ 4.80	\$ 4.01	\$ 4.56

In comparison with gas prices at the pump from 2020 vs 2021, Guam's average *regular* gas price increased by 97 cents. During 2020, as a result of the COVID-19 pandemic, gas prices dropped, hitting its lowest price for the year at \$2.98/gal in April and closing out the year with an average *regular* gas price at \$3.60/gal .

## CHALLENGES

- Constant moving target to start projects as a result of delay on issuance of procuring services and materials.
- Finding eligible low-income families with appropriate documents wanting to apply for free WAP services.
- Encouraging residents to consider purchasing electric vehicles to zero out monthly gasoline cost, receive federal tax credit and rebate money.
- Incorporating unfunded local mandates into allowable grant activities.



6th Assembly of Planners Symposium, GEO staff and management, 2/18-19/2021



GEO Director and Summer Interns, 8/19/21

## FUTURE OUTLOOK

- ☀ Plan and implement allowable energy projects/activities tailored to the island community utilizing federal dollars.
- ☀ Continue leveraging dollars by tapping into other funding sources, i.e. DOL Senior Citizen part timers to assist with clerical tasks, housekeeping, and yard work.
- ☀ Collect energy data for technical support to GovGuam entities.
- ☀ Continue dialog with national, regional, local public entities and organizations regarding energy-related information.
- ☀ Work with public and private sectors addressing major construction build-ups to incorporate energy efficiency and renewable energy and promote energy diversification leading to the island's resiliency and sustainable energy future.
- ☀ Support GovGuam morale events and other related activities.
- ☀ Work with the Guam Building Code Council to implement the updated Guam Tropical Energy Code through training session for local contractors in 2023.



Mr. James Aevertmann, BBMS teacher demonstrates a Solar Wind Kit (provided by GEO) to the students .