

SOLAR

CONSERVATION

ENERGY

EFFICIENCY

WEATHERIZATION

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GUAM ENERGY OFFICE



REBECCA J. RESPICIO, DIRECTOR



# A REPORT TO OUR CITIZENS

Fiscal Year 2020 Citizens Centric Report

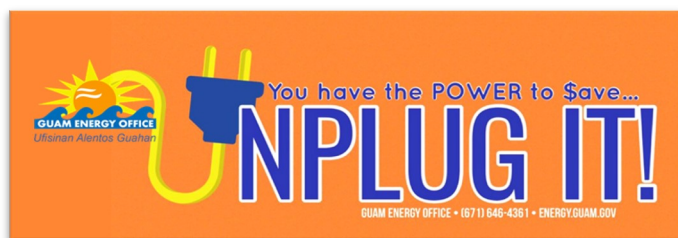
Posted July 2021

## 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

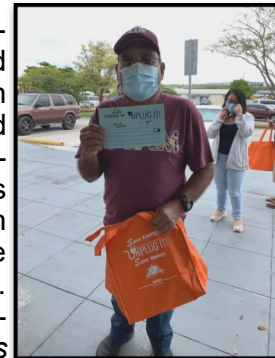
The Guam Energy Office is committed to promote energy efficiency and provide energy-saving solutions to assist with reducing fossil fuel dependency, to partner with others to deploy renewable technologies, and to help reduce greenhouse emissions and protect the environment.



GEO continues to reach out to the community to reduce their energy consumption through our **UNPLUG IT!** campaign and the Weatherization Assistance Program that provides income eligible applicants free replacement of inefficient air conditioners and refrigerator to energy efficient appliances and other energy measures.

## STATE ENERGY PROGRAM

The State Energy Program provides technical assistance on energy data for Gov-Guam agencies for economic analysis, hold training and workshops on energy related topics and much more. Due to COVID-19, GEO conducted its outreach and education efforts to include its **UnPlug It!** campaign through social media, newspaper ads, and various virtual events. Prior to COVID-19, GEO conducted several energy presentations to elementary students. Furthermore, GEO continued to participate in various virtual conferences and working group meetings to include the Guam Green Growth (G3) and the Affordable & Clean Energy. GEO continued to track gas prices at the pump ending the year (2020) with an average cost per gallon for regular gas at \$3.60. In addition, GEO tracked monthly Consolidated Actual Fuel Sales by Petroleum Companies and ending the year for “unleaded regular motor gasoline” at 40,975 (*amounts in thousands of gallons*).



## 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 4 rebates to residents. In addition, PL No. 35-81 was signed in March 2020 to extend the PEV rebates to businesses and non-profit organizations and extending the rebate phase-out period and to add rules and regulations. GEO continued to promote the program mainly through social media due to COVID-19 and shut down of most businesses.



## 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. GEO/GPA held its kick-off meeting with the selected schools as well as provided training on the Energy Start Portfolio Manager (ESPM) online tool. The ESPM tool will allow for the participating schools to enter and track utility data. In addition, GEO provided each participating school an annual subscription to the USGBC Learning Lab that will allow teachers access to free lessons and tools gear towards sustainability.

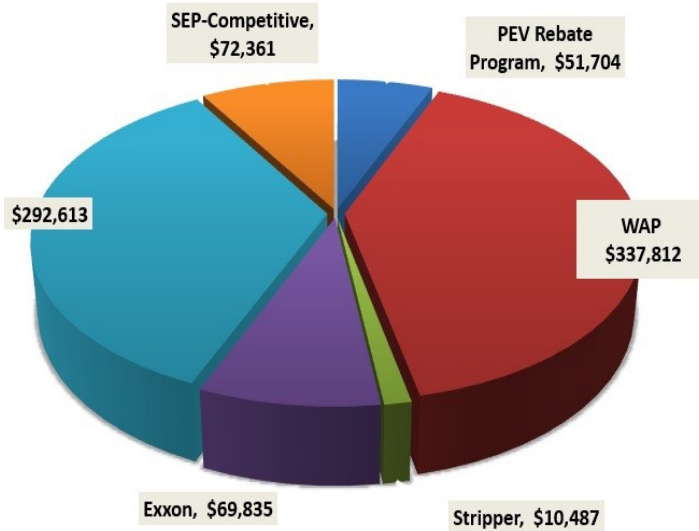
## WEATHERIZATION ASSISTANCE PROGRAM

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 30 homes during the year. GEO continued to accept applications for the program and provided outreach and education through social media and local newspapers.

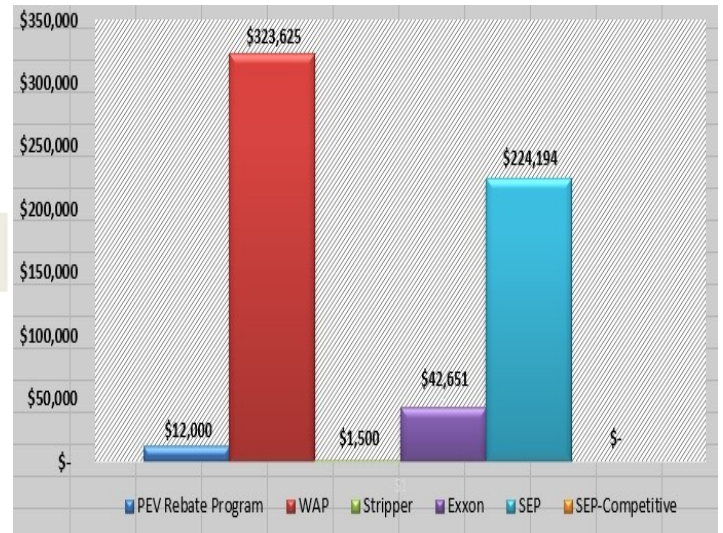


Weatherization clients received **FREE** energy efficient window air conditioners and refrigerator.

REVENUES



EXPENDITURES



The Government of Guam Single Audit Report ending September 30, 2020 (inclusive of GEO's grants) was released on June 1, 2021 by the Office of the Public Auditor. Visit [www.guamopa.org](http://www.guamopa.org) for more information.

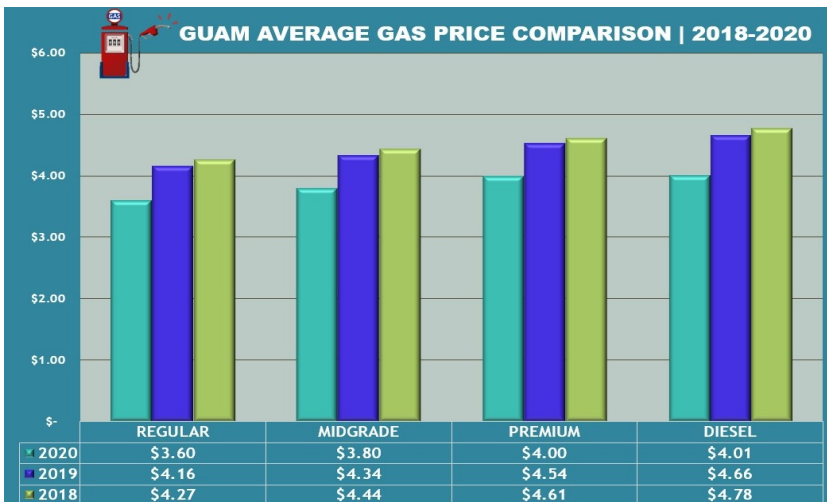
GEO continues to compile fuel and power data from petroleum companies, government of Guam agencies/ departments and others through internal and external resources.

2020 FUEL SALES BY PETROLEUM COMPANIES

2020 CONSOLIDATED REPORT OF ACTUAL FUEL SALES BY PETROLEUM COMPANIES

Type of Refined Oil Products	Fuel sales by Petroleum Companies
UNLEADED REGULAR MOTOR GASOLINE	40,974.80
UNLEADED MIDGRADE MOTOR GASOLINE	236.00
PREMIUM MOTOR GASOLINE	6,539.70
NO. 2 DIESEL OIL < 5 PERCENT SULFUR	33,342.80
KEROSENE-TYPE JET FUEL (Jet A-1)	46,046.90
RESIDUAL FUEL OIL > 1% SULFUR	62,414.00
PROPANE, CONSUMER GRADE	2,843.00
<b>TOTAL</b>	<b>192,397.20</b>

Note: Amounts are in Thousands of Gallons.



STOP THE PUMP...

GO ELECTRIC!



## 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.



5th Assembly of Planners Symposium, GEO staff, Director and Senator Sabina Perez (center), 2/20/2020



GEO & Guam Housing Corp staff at the Island-Wide Beautification Task Force Clean-Up, 6/26/20

## 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 on the establishment of the updated Guam Tropical Energy Code.

