MEMORANDUM

October 5, 2020

To: Public Auditor

From: Director

Subject: Guam Energy Office Citizen-Centric Report for Fiscal Year 2019

Hafa Adai! Mr. Cruz,


Please contact me should you have any questions on the enclosed report at 646-4361. Si Yu'os Ma'åse.

Sincerely,

REBECCA J. RESPICIO
Director

Enclosure
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 the 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.

The Weatherization Assistance Program provides free energy efficient refrigerator, air conditioners, LED lights and other free energy saving measures to include outreach & education to income qualified homes.

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.
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, sponsor annual energy poster & essay contest for schools, and much more. GEO sponsored its annual Poster & Essay Contest titled “Energy Efficiency for a Sustainable Future” to public and private school students ranging from grades 1st to 12th. The contest was well represented from over 60 schools participating and with over 500 posters and over 100 essays submitted. The winners were recognized at an awards ceremony and through media press releases.

In April, GEO kicked-off Earth Month with its proclamation signing in collaboration with various agencies to promote and protect our environment. Earth Month was filled with various events and activities to include the “One Tree Challenge”, GEO’s “We have the POWER to make changes!” campaign and closing the month with GEO’s Earth Day Wave. GEO continued its outreach efforts with its participation and interactive booths at various conferences, workshops and expos as well as through social and media ads to promote weatherization, energy conservation and energy efficiency.

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 residents to purchase electric vehicles to reduce their cost at the fuel pump and realize savings of about $200. During the fiscal year, GEO continued to promote the program at various outreach events. GEO collaborated with Senator Sabina Perez’s office to amend P.L. 32-164 to extend the rebates to businesses and non-profit organizations.

ENERGY SMARTSCHOOL ISLAND STYLE PROGRAM

GEO was awarded a competitive grant in the amount of $75,000 from the U.S. Department of Energy to develop an EnergySmart Schools Program that establishes energy management practices for up to four (4) K-12 facilities on Guam. GEO partnered with the Guam Power Authority (GPA) as the project’s technical assistance provider. The selected schools will receive 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 will conclude the program with an EnergySmart conference to include training activities for attendees and highlights and recognition from our selected schools.

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 continues to reach out to the community to apply and receive free WAP services. Based on household income, GEO conducts whole-house approach analysis to determine replacement of refrigerators, lighting and air-cooling units including installation of weather strips on windows/doors, low-flow aerators on faucets, and smoke detectors. In May 2019, USDOE approved GEO’s request to include mini-splits air conditioners as one of its energy saving measures. Since the inception of the Guam WAP program in 2009, GEO serviced over a thousand families that included elderly, persons with disabilities, and families with children.
GEO continues to compile fuel and power data from petroleum companies, government of Guam agencies/ departments and others through internal and external resources.


### Type of Refined Oil Products

<table>
<thead>
<tr>
<th>Type of Refined Oil Products</th>
<th>Fuel sales by Petroleum Companies</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNLEADED REGULAR MOTOR GASOLINE</td>
<td>$52,178.70</td>
</tr>
<tr>
<td>UNLEADED MIDGRADE MOTOR GASOLINE</td>
<td>$268.00</td>
</tr>
<tr>
<td>PREMIUM MOTOR GASOLINE</td>
<td>$6,789.60</td>
</tr>
<tr>
<td>NO. 2 DIESEL OIL &lt; 5 PERCENT SULFUR</td>
<td>$46,617.90</td>
</tr>
<tr>
<td>KEROSENE-TYPE JET FUEL (Jet A-1)</td>
<td>$53,486.00</td>
</tr>
<tr>
<td>RESIDUAL FUEL OIL &gt; 1% SULFUR</td>
<td>$28,668.00</td>
</tr>
<tr>
<td>PROPANE, CONSUMER GRADE</td>
<td>$4,016.00</td>
</tr>
</tbody>
</table>

**TOTAL** 192,024.20

*Note: Amounts are in Thousands of Gallons.*

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**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.

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.
- Continue working with the Guam Building Code Council on the establishment of the updated Guam Tropical Energy Code.