



GUAM ENERGY OFFICE FY 2013 CITIZEN-CENTRIC REPORT

August 2014

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OUR VISION

To secure, sustain, and provide an economical future for Guam.

OUR MISSION

“To mobilize local resources to work with the Federal Government and the private sector in order to best allocate fuels available to the Territory of Guam; and to determine which energy conservation measures and practices best slow the growth rate of energy consumption, assure adequate supplies of energy and fuels for necessary uses, reduce energy waste, preserve natural resources, and protect the environment.”

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ABOUT GEO



PETER S. CALVO
Director

The Guam Energy Office (GEO) is a line agency within the Executive Branch of the Government of Guam. The Agency serves the general public by promoting energy efficiency to reduce reliance on imported fuel, reduce greenhouse gas emissions that affect global climate change, and reduce energy costs and consumption for consumers, businesses, and government.

GEO is committed to continue leading our island towards energy efficiency and conservation and promote sustainable and renewable energy. Through our grants, GEO continues to provide energy saving measures through the Weatherization Assistance program. In addition, GEO completed the solar water heater rebate pilot program which serviced over 50 homes who are now benefiting from the energy savings. We also completed the installation of an additional 10 solar water heaters into public homes for low-income families. We continue to track fuel sales, government of Guam energy consumption, and the yearly average gas prices that is published on our GEO website.

ENERGY EFFICIENCY! GOOD FOR YOU! GOOD FOR GUAM!



Solar Photovoltaic (PV101) Training—University of Guam

STATE ENERGY PROGRAM

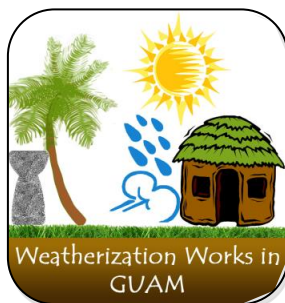


Through our State Energy Program grant, the Guam Energy Office held its annual Energy Expo during Energy Month held in October 2012. Many of our local vendors participated in the expo by showcasing their latest energy efficient products to include renewable energy such as solar photovoltaic and solar water heaters. In addition, various government agencies joined in to educate our community on various energy saving methods and ideas. GEO included energy conservation and energy saving activities that involved our elementary, middle and high school students. GEO received a large student participation on the poster and essay contest from our elementary, middle, and high school students while our middle schools students also participated in a science project.

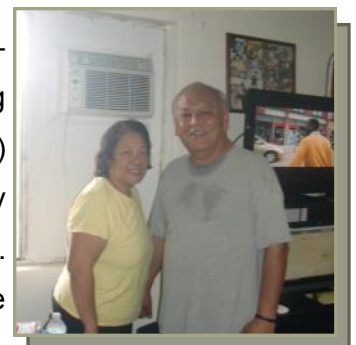


In addition, GEO held a Mini Solar Energy Expo during May 2013 that allowed various vendors to exhibit and educate the public on various renewable energy products available on the island. Furthermore, GEO and the Energy Task Force completed the Guam Strategic Energy Plan and the Guam Energy Action Plan stating a goal of 20% reduction in the use of fossil fuel by the year 2020 (20X20).

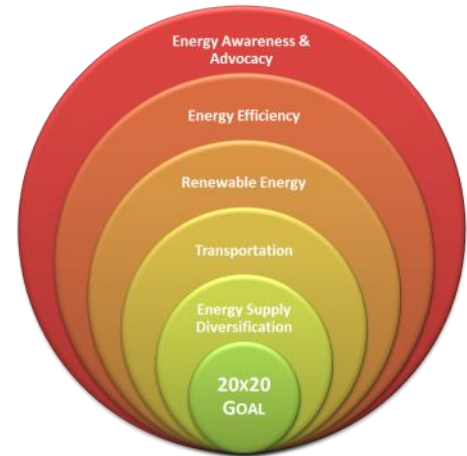
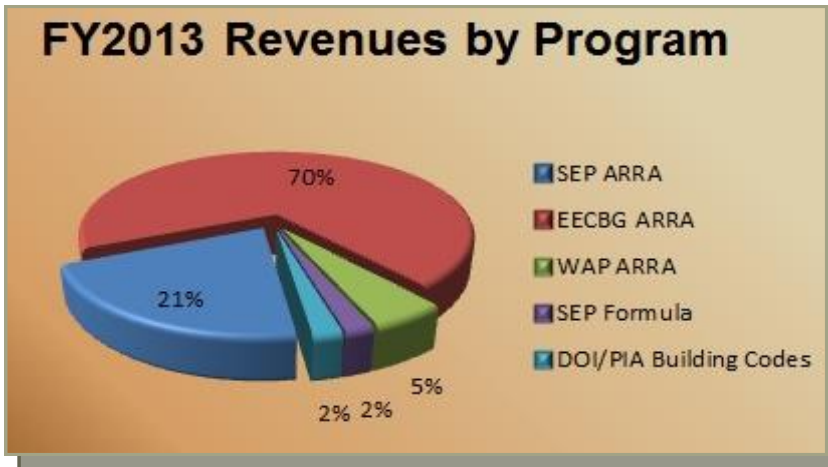
WEATHERIZATION ASSISTANCE PROGRAM



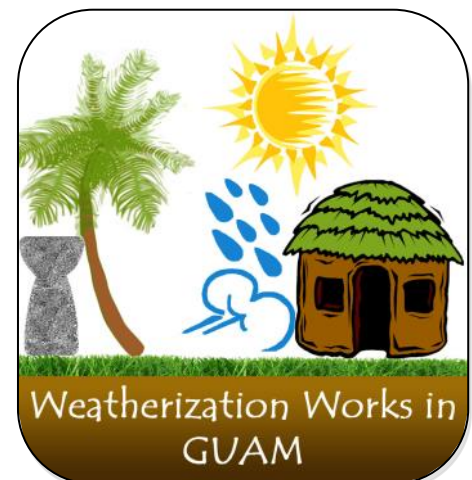
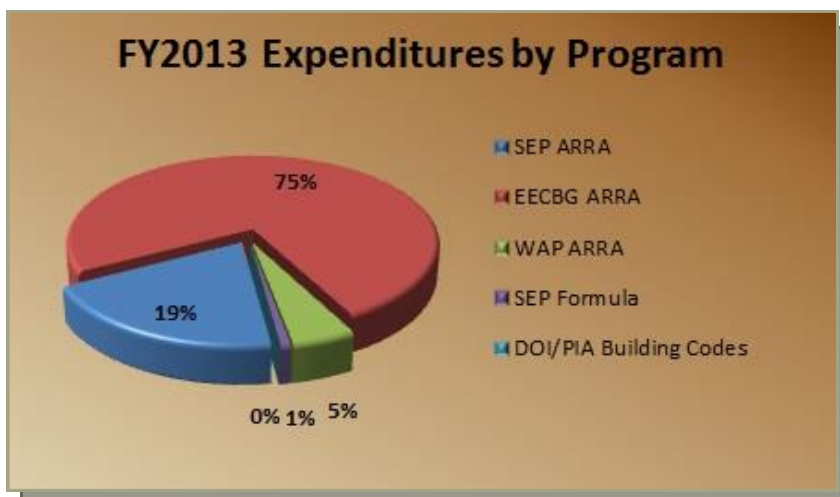
The Guam Weatherization Assistance Program (WAP) grant provides services to income eligible clients by installing energy efficient measures into homes based on an energy home assessment. Type of energy efficient measures may include replacement of lighting, low-flow faucet aerators and showerheads, refrigerators, window air conditioners, water heaters and minor health and safety measures. During FY2013, GEO completed the American Recovery and Reinvestment Act (ARRA) for WAP. GEO, in partnership with Guam Housing and Urban Renewal Authority (GHURA) completed a total of 878 homes during the ARRA period (2009—2013). Through these completed homes, GEO/GHURA assisted a total of 2,799 people that included 205 elderly, 99 persons with disability, and 1,936 children.



REVENUE	GRANT EXPIRATION	FY2013
SEP ARRA	12.31.12	\$ 1,602,160.45
EECBG ARRA	09.18.13	5,470,285.15
WAP ARRA	09.30.13	384,337.47
SEP Formula	09.30.13	148,000
DOI/PIA Building Codes	07.30.15	150,000
TOTAL		\$ 7,754,783.07



EXPENDITURES	FY2013
SEP ARRA—GovGuam Retrofits/Energy Audits/Outreach	\$ 1,372,449.65
EECBG ARRA—Building Retrofits/Energy Audits (GovGuam Agencies/NGOs) GovGuam Streetlight Retrofits Solar Water Heater (SWH) Rebate Pilot Project; SWH for Low-Income Families Outreach	5,289,780.69
WAP ARRA—Energy Efficiency & Conservation Measures for Public & Private Income-eligible Residences	337,972.34
SEP Formula—Administration/Outreach	51,792.34
DOI/PIA Building Codes – Development of a curriculum of building codes	0.00
TOTAL	\$ 7,051,995.02



The Guam Energy Office continues its efforts on providing energy efficiency information and education to the public. With greater community interest in renewable energy, GEO has moved forward to train its staff in solar photovoltaic and other renewables so as to provide better guidance to our citizens. In addition, GEO is providing the community a foundation to basic energy efficiency and energy conservation practices before moving forward to larger energy saving investment, such as solar water heaters, etc. The *“10 Steps to Home Energy Efficiency”* provides the community information on saving and conserving energy.

Mark Pangilinan—PV101



- PROVIDE EFFICIENT & EFFECTIVE INTERNAL CONTROLS:
 - Restructure Divisions
 - Target non-essential or Redundant FTE
 - Conduct needs assessment
 - FTE type needed
 - Establish QRF for shortfalls or emergencies
 - Refocus skill sets
 - Provide a layoff plan
- APPLY FOR FEDERAL FUNDS:
 - U.S. Department of Energy State Energy Program
 - U.S. Department of Energy Weatherization Assistance Program for Low-Income Persons
 - U.S. Department of Interior, Office of Insular Affairs
 - Other: Exploring local funding sources
- CREATE OPPORTUNITIES FOR MORE PRIVATE-PUBLIC PARTNERSHIP / ARRANGEMENTS
 - Guam Power Authority—Demand-Side Management Revolving Loan Program
 - Guam Renewable Energy Association
 - Guam Building Code Council
 - Guam Energy Task Force
- PUBLIC OUTREACH AND EDUCATION ON ENERGY EFFICIENCY, CONSERVATION, AND RENEWABLE ENERGY
 - Public and Private schools
 - Residential and Commercial
 - Workshops and Conferences
 - Community Events & Expositions
- CONTINUE WITH THE GUAM STRATEGIC ENERGY PLAN 20X20 GOAL
 - Energy Awareness & Advocacy
 - Energy Efficiency
 - Renewable Energy
 - Transportation
 - Energy Supply Diversification

