



FY2023 Government of Guam Appropriation Report

Prepared by:

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Background

What is Guam Green Growth (G3)?

Guam Green Growth (G3) is the most comprehensive public-private partnership ever created to achieve a sustainable future for the island of Guam. G3 creates tangible solutions to sustainability challenges and drives green economic development for the island region.

Local2030 Islands Network

In 2015, the United Nations (U.N.) Member States adopted the 2030 Agenda for Sustainable Development and 17 Sustainable Development Goals (SDGs) designed to put the world on a path to a more sustainable, equitable, and prosperous future. The necessity of implementing SDGs at local and regional levels to achieve the ambitious and unprecedented U.N. Agenda for Sustainable Development led to the establishment of the U.N. Local2030 Initiative in 2018 and the recognition of the Hawai'i Green Growth Local2030 Islands Hub.

In 2019, Governor Lourdes A. Leon Guerrero and Lt. Governor Joshua F. Tenorio committed the U.S. island territory of Guam as a founding member of Local2030 Islands Network during the 74th U.N. General Assembly and Climate Week NYC. Guam is now united with islands around the world in advancing the 17 U.N. SDGs through locally-informed and culturally-driven strategies.

G3 Action Framework Process

In September 2019, Governor Leon Guerrero and Lt. Governor Tenorio promulgated Executive Order 2019- 23, creating the 100+ member *G3 Working Group* comprised of government, academia, private sector, non-profit, and youth partners. The executive order assigned the facilitation of the G3 Working Group to the University of Guam Center for Island Sustainability and Sea Grant (UOG CIS/SG).

The *G3 Working Group* is charged with developing, updating, implementing, and tracking the *G3 Action Framework*. The framework is a 10-year plan comprised of hundreds of goals and action items guiding the development of Guam's sustainable future. The *G3 Action Framework* is aligned with the U.N. SDGs and focused on five categories of action—1) Healthy and Prosperous Communities; 2) Educated, Capable, and Compassionate Island; 3) Sustainable Homes, Utilities, and Transportation; 4) Thriving Natural Resources; and 5) Sustainable Alliances. Cross-cutting elements are incorporated into all categories— climate action, resilience, public engagement, policy, and the core CHamoru values of respect, cooperation and treating others with kindness, generosity, and dignity.

The Co-Chairs for the G3 Initiative are the Honorable Lourdes A. Leon Guerrero, Governor of Guam and Dr. Anita Borja Enriquez, 12th President of the University of Guam. The *G3 Steering Committee* is comprised of the co-leads from the Categories of Action and is co-chaired by the Honorable Joshua F. Tenorio, Lt. Governor of Guam and Dr. Austin J. Shelton, Director of UOG Center for Island Sustainability and Sea Grant. The steering committee holds monthly check-in meetings.

Progress is tracked on the [G3 Dashboard](#), a public and transparent platform demonstrating to local and global communities how action on the ground in Guam is contributing to a sustainable future for our planet. G3 Biannual Meetings bring the full working group together to present progress and highlights on the G3 Action Framework to the G3 Co-Chairs and stakeholders.

G3 Implementation Projects

While hundreds of goals in the *G3 Action Framework* are underway and tracked through the G3 Working Group process, several high-impact *G3 Implementation Projects* are highlighted throughout the year.

G3 Conservation Corps

The G3 Conservation Corps (G3CC) prepares our community for the emerging green economy. Since 2021, G3 recruits an annual cohort of 12 conservation corps members to join a full-time 5-month workforce development program. The program is designed to build capacity in the green workforce where qualified personnel are often difficult to find. Local funding has supported three (3) cohorts of conservation corps. Upon graduating from the program, corps members are assisted in finding jobs on UOG projects and partner organizations, or they return to school for continued training in green workforce areas.

Throughout their 5-month program the G3CC works with green partner organizations assist in advancing their initiatives and to receive training on the following topics: Agriculture and Aquaculture; Circular Economy and Zero Waste; Ocean Conservation; Invasive Species Management; Energy Conservation and Renewable Energy; Watershed Restoration and Reforestation; Island Wisdom; and Resume Building, Interviewing, and Job Skills. Additionally, the G3CC works with the Mayors Council of Guam to do weekly island beautification event in a different village.

COMPENSATION: Through UOG Global Learning and Engagement, G3CC members receive one *Continuing Education Unit (CEU)* for every 10 hours of service (up to 80 CEUs for the 5 months). G3 Conservation Corps Leaders receive a \$1,300 stipend and G3 Conservation Corps Supervisors receive a \$1,500 stipend every two weeks.

ELIGIBILITY: G3CC members must be 18 years or older, U.S. citizen or legal resident, in good physical condition able to lift 50lbs or more, and able to fully commit to a full-time 40-hour per week program for 5 months (February – July 2024). During some weeks, the schedule includes early mornings, nights, holidays, and/or weekends. UOG runs a search for conservation corps members following the policies and procedures of the Research Corporation for the University of Guam.

Investing in the Future: The G3 Conservation Corps

The successful workforce development program the Guam Green Growth Conservation Corps celebrated its third graduating class in 2023. Due to Typhoon Mawar, programming for the 2023 cohort was rapidly adjusted to be responsive to the island community's most pressing needs for recovery. The group got to work and assisted various government agencies including the Department of Parks and Recreation, Guam Environmental Protection Agency, University of Guam and various Mayor's offices, with post-typhoon restoration.

- **Typhoon Recovery:** The group removed 70 full truck bed loads of large typhoon debris from troubled areas around the island.
- **Food for the Needy:** The team also participated in the packing and delivery of over 65,000 lbs. of food commodities to those who needed them the most.

- **Cleanups:** Throughout the rest of the year, the group completed 15 roadside cleanups and beautification projects alongside the various mayor's offices.
- **Taking out the Trash:** The corps also diverted over 20,000 aluminum cans from the landfill via recycling and collected over 14,000 gallons of trash and 200 bulky white goods from our road and beach sides.

With the success of the G3CC, we have also expanded our workforce development programs with leveraged non-local funds.

- **Guam Green Growth Art Corps:** features local artists who have been hard at work educating the community about the importance of cultural and environmental preservation and the sustainable development goals through the creation of murals in every village.
- **Guam Green Growth Local2030 Islands Network Conservation Corps:** features dorm students at the University of Guam from neighboring islands. The group is receiving green economy training to bring their leadership and sustainability lessons to their home islands upon graduation.

Community Engagement and Capacity Building

Guam Green Growth recognizes that a sustainable future requires a collective effort. In 2023, the program continued its outreach efforts by engaging with various community stakeholders. This included:

- **Educational Programs:** G3 hosted workshops and seminars to educate the public on topics like sustainable living, renewable energy options, and responsible waste management practices. Through the Guam Green Growth Circular Economy Makerspace and Innovation Hub, over 265 members, presenters and visitors participated in programs.
- **Collaboration with Businesses:** G3 actively partnered with local businesses to encourage sustainable practices. This could involve promoting energy efficiency measures, reducing waste generation, or sourcing local and sustainable products. Guam Green Growth through the UOG Center for Island Sustainability and Sea Grant celebrated partnerships with over 141 local and federal government, private sector, non-profit and other organizations.

Community Publications and Educational Materials

Guam Green Growth successfully launched three community publications made available for free that targeted specific groups in need of educational outreach and awareness, also with leveraged non-local funds.

- **Chalan Deskubre Kids Magazine:** G3 produced and launched its quarterly children's magazine dedicated to bringing place-based STEM lessons to our people. The magazine featured local art, and stories with relevant and engaging science. Lessons about polar bears were replaced with stories about traditional navigating, star charts, and native upside jellyfish found on Guam.
- **Guam Grower's Calendar:** G3 actively partnered with Guahan Sustainable Culture to produce and distribute the Guam Grower's Calendar. The calendar featured best

practices and guidance on the success cultivation of local and native food crops that thrive on Guam. It provided timelines for best harvest and planting seasons based on crops and more.

- **Guam Tide Chart Calendar:** Through a partnership with the UOG Marine Laboratory and Sea Grant, the Guam Tide Chart Calendar provided the tide calendars and outlooks for the entire year, hoping to provide fruitful and safe fishing for the community. The calendar also provided regulatory references including take sizes and protected species lists and preserve maps. Sustainable fishing tips were placed throughout the calendar to help protect our reef stocks and encourage responsible harvesting.

Renewable Energy

- One of the primary focuses of G3 in 2023 was the promotion of renewable energy solutions to reduce Guam's dependency on fossil fuels and mitigate climate change. Through the University of Guam Center for Island Sustainability and Sea Grant, G3 began work on a nearly \$800,000 grant from the US Department of Interior to create eight renewable energy systems on island that will help turn solar power into electric vehicle charging units.
- The group also worked with various partners in the planning and research that aims to gauge the feasibility of harnessing wave energy on Guam. We hosted a town hall meeting which featured energy and ocean experts providing feedback and insight to inform the project.

Overall, Guam Green Growth's accomplishments in 2023 reflect its dedication to building a resilient, inclusive, and sustainable future for Guam. Through innovative projects, strategic partnerships, and community-led initiatives, G3 has demonstrated that sustainable development is not only possible but also essential for safeguarding Guam's natural resources, enhancing the well-being of its residents, and ensuring long-term prosperity for future generations. As Guam continues its journey towards green growth, G3 remains committed to leading the way towards a more sustainable and prosperous future for all.

Matching and Leveraged Funds

The Guam Legislature's appropriation of \$500,000 to the University of Guam provides critical base support for the G3 Initiative. It also has the added benefit of serving as critical local matching dollars to leverage external federal dollars.

The Guam National Science Foundation Established Program to Stimulate Competitive Research (Guam NSF EPSCoR) is the largest scientific grant ever awarded to UOG. The grant builds scientific research capacity to conduct cutting edge coral reef and ocean research in Guam and grows local STEM, green workforce, and circular economy capacity. The National Science Foundation requires \$1,000,000 in local matching funds per year for \$5,000,000 in federal dollars. The Guam Legislature's local appropriation satisfies \$500,000 of the required \$1,000,000 local match each year. Other local investments, such as tuition waivers for graduate students, are used satisfy the remainder. This translates to an immediate 5x return on investment (ROI) for the local dollar. However, the local base funding support allows the University of Guam to elevate the G3 Initiative and compete for many more additional external dollars for greater impact.

FY2023 Local Appropriation Actual Expenditure Summary

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Salaries and Fringe for key G3 Action Framework and Outreach Staff <ul style="list-style-type: none"> • Associate Director for Communications (0.3 FTE)- develop materials for education and community engagement. • G3 Action Framework Coordinator (1.0 FTE)- G3 Working Group coordination • G3 Action Framework Associate Coordinator (1.0 FTE)- G3 Dashboard data collection and metrics • G3 Public Engagement and Outreach Coordinator (1.0 FTE)- Coordinates G3 Conservation Corps program and conducts public outreach on sustainable development • Grant Assistant 1 (0.15 FTE)- administrative tasks such as purchase orders and expense tracking 	\$195,809.71
G3 Conservation Corps Stipends for 12 G3CC members to work full-time for 5-months Continuing Education Units for workforce training Gas for transportation to and from work sites Supplies and materials (e.g. uniforms, tools, gloves, etc)	\$193,796.31
G3 Circular Economy Makerspace and Innovation Hub Rent and utilities at CHamoru Village space	\$56,593.26
G3 Community Garden Supplies and maintenance for the upkeep of the three G3 Community Gardens	\$5,000.00
General supplies and materials for G3 activities Outreach, office, and other general supplies Educational signage at gardens	\$549.86
Miscellaneous/Contractual Grant workshop trainings for staff professional development Contract for Guam Science and Technology Committee facilitation and green workforce development	\$13,415.87
RCUOG Administrative Fee for HR, procurement, and federal grant match tracking services	\$34,834.99
TOTAL	\$500,000