Guam Green Growth G3 Steering Committee Working Meeting 3  
Sustainable Homes, Utilities, and Transportation Category  
1:30PM to 2:30PM | Thursday | November 05, 2020  
Zoom Meeting ID: 936 5035 6391  

MINUTES

I. Opening directives, Governor Leon Guerrero or Lt. Governor Tenorio
II. Reminder of meeting objectives, Lt. Governor Tenorio and Dr. Shelton
III. Framework category overview, Vince Arriola, Brent Wiese and Rebecca Respicio
IV. Q&A and Next Steps
V. Adjourn

Start Time: 01:30PM  
End Time: 02:45PM

Attendees:
- Steering Committee: Lt. Gov. Josh Tenorio, Austin Shelton, Vince Arriola, Brent Wiese, Rebecca Respicio, Vangie Lujan, Mary Okada, Jennifer Calvo-Guzman (Mel Mendiola’s proxy), Trina Leberer, Fran Castro, Melanie Brennan, Lola Leon Guerrero, Phill Leon Guerrero (for Sen. Régine Biscoe Lee), Jonas Macapinlac
- Sustainable HUT members: Lasia Casil, George Bamba, Michelle Lastimoza, Cel Babauta, Conchita Taitano, Natasha Suba (COD), Tricee Limtiaco, Miguel Bordallo, Chris Budasi (Miguel Bordallo’s proxy)
- Youth Ambassadors: Kyle Dahilig, Bas Schils, Grace Hutapea, Javan Santos
- UOG CIS G3 team: CIS G3 Team: Lauren Swaddell, Myracle Mugol, Annania Nauta, Phil Cruz, Amanda Dedicatoria, Victoria Santos, Corey Santos, Colin Kirk, Sho Hammond, Ray Shinohara

Next meeting
Topic: Thriving Natural Resources
Date: November 12, 2020
Time: 1:30PM to 2:30PM
Zoom link: https://zoom.us/j/93650356391
Meeting ID: 936 5035 6391

Framework Category Overview (Brent Wiese)
- Note: G3 Action Framework Working Document (10-21-20) was reviewed and referenced during the overview. Different font colors indicate different authors. Sections that are highlighted in light green indicate overlap with other categories. Teams will need to decide who would take ownership and how to coordinate action.
Infrastructure

- Goal: By 2030, 30% of critical infrastructure will be relocated away from flood areas or low-lying areas.
  - Flood Area Issues FEMA directives: funding based on criteria must be addressed in building and land use codes (flood point in Hagatna)
    - Jurisdictions for recommendations?
      - Land management and DPW
      - Coastal zone management program – BSP (Lt. Gov)
      - The Hagåtña River Feasibility Study is scheduled to be completed in February 2023. It will determine what the flood zone is in Hagåtña
  - Goal: By 2030, mitigation measures will be implemented to address impacts to flooding, increased fires, etc. By 2030 Guam will replace substandard buildings with concrete structures by 30%
    - Mitigation after disasters
      - Engineers and architect supplement the Government Team to review the projects
    - Need an Army Corps of Engineers survey for infrastructure projects/goals

Waste:

- Goal: By 2030, ensure sustainable production, consumption, and disposal patterns.
  - Intersection with Zero Waste Working Group, Island Beautification Taskforce (illegal dumping)
  - Sending legislation (like the 100% renewable energy by 2045) for mandating universal trash collection to start and then work backwards with GSWA and other relevant partners/stakeholders
    - Action Lead is GEPA
    - Add objective: set a deadline for a legislation for this mandate
  - Goal: By 2030, greatly reduce the use and distribution of single-use plastics
    - We need leads for this. Lead is currently BSP-GCMP, UOG-CIS
    - Should this be moved to the Thriving Natural Resources category
    - Proposed metric: Reduction of plastic bag reduction
      - The current law has been passed, waiting on amendments to pass before January implementation.
  - By 2030, 50-80% food waste and organic material diversion from the landfill
    - Original lead is Sen. Sabina Flores Perez, LT recommends GEPA be the lead because this falls under Zero Waste Plan and their purview (Jacobs Engineering)

Transportation:

- Leads are currently GRTA; UOG CIS. Need to add GCC and Trades Academy
• GRTA has secured $9M in federal funds for electric buses
  o Build a park-and-ride at the old flea market site in Dededo to serve the most populated area. 8 electric buses (38 rider capacity) and 8 electric cars (to transport riders to the facility) in the proposal. An app will be integrated with GRTA service, pilot program will be to serve northern community to go to all Mangilao schools.
    ▪ Spending approval plan is being reviewed and is expected by the end of the month. GRTA will then work with a professional planning group to execute the pilot.
    ▪ Facility will also include a vehicle maintenance area and an Admin./finance office.
    ▪ Timelines: Facility’s design is currently at 30%. Expected to be 60% complete in the next month. Goal to break ground by the 1st quarter of 2021.
  o Riders will be able to track their ride with the app to increase reliability
    ▪ App is planned to be fully activated by the end of the year.
  o GRTA and UOG will be engaged on a feasibility study to explore the feasibility of an Uber like Transit System with the Accelerated Innovative Mobility grant. GRTA was awarded $1.9M. The study will take place within Agat, Santa Rita, Piti, and Naval Base Guam. Riders will be able to use a mobile app to schedule their rides and get picked within walking distance from home. Results from the study will be forwarded to FTA to be shared with other transit agencies.
    o Training and testing is already in progress.
• Note from Ray after meeting: people might not have access to the technology to request/monitor rides

Housing:
• Guam Tropical Energy Code is in review currently, which is good progress on this goal’s timeline

Water:
• Already in progress
• Reducing the number of spills (overflows) from wastewater systems
  o Metrics are possible, and can be reported on a regular basis
  o Existing capital improvement program to address specific pipelines and pump stations that contribute to overflow
• Currently conducting an affordability study which will be complete by the end of the year; undertaking a comprehensive water loss prevention program to be completed by early next year, to install district metered area to track water loss and how to address the issues.
Need to work on including into the framework how to address GWA’s inability to access the rate generated funds to support the wastewater treatment up north.

- Septic tank elimination program (5-year CIP and 20-year master plan) streamline the rules surrounding the sewer connection revolving fund to allow for easier access to the low interest loan fund and expand the use of the money the rules surrounding the sewer connection revolving fund to allow for easier access to the low interest loan fund and expand the use of the money. Completed $30M project to address storm water issues. Working on implementing 5000 ft of new sewage line above the NGLA (also part of the 5yr CIP). Goal of additional 5000 ft. each year after.
- Building code will address the fire sprinkler system for homes
- Senator Regine Biscoe Lee has introduced a bill and has requested for the Lt. Governor to lead a mandate to reconcile the ground water conservation areas amongst the government agencies with property directly over the NGLA.

Power:
- Goal: By 2022, Guam will develop an energy policy similar to Hawaii’s Clean Energy Transformation
  - Good proactive work that should happen
  - Lt. Gov. has been in convo with DOI and DOEnergy – GPA is working on a project focused on critical infrastructure, energy transitions initiative, frontiers project.
    - Planning a virtual meeting to discuss an energy audit of public facilities
- Bill 219 – did not sound like the utility agency supported the bill. We should ensure that as agencies and institutions begin to implement renewable energy that the agencies will not be negatively impacted financially.
- Tricee Limtiaco: Many renewable energy projects underway: 25 megawatt Dandan facility, 40 megawatts of battery storage delay in deployment because of the pandemic, 160 total megawatts of renewable energy (120 has been awarded but 40 was delayed due to OPA appeal).
  - Working with the Dept. Of Navy
  - Reducing greenhouse gasses emissions with the new power plant that will only use clean fuel.
  - Focusing on a utility scale of renewable energy to keep it affordable
  - Working with DOI and gained lessons from US Virgin Islands and the island of Kauai
  - Integrated resource plan “Energy Master Plan” is underway

Q&A
Javan: I had a question about zoning, will zoning be looked into in regards to transportation and sustainable homes? A lot of affordable housing is placed in
subdivisions that are far away from opportunities and jobs, leading to a requirement for a car even if there are affordable housing. And lots of affordable housing subdivisions are built in a way where having only one bus stop per subdivision will leave some people far away from the bus stop as a disadvantage. Will we be able to look into zoning to see if we can zone to be more accessible to not only public transportation but also walkability. Question is for those who can’t afford the cars or prefer public transportation if it was more accessible or would walk to school or work.

- LT: there is another group that is looking at these similarities. Cel is looking into an Uber Lite transportation system (see transportation notes). But it looks like the question is really on affordable housing being better integrated with public transportation.
- Cel: end result of the feasibility study with UOG, if it is feasible and profitable to use the Uber Lite, then we can implement it. Having a bus route that takes riders from one bus to another isn’t efficient.
- LT: would like to have youth members involved in the stakeholder process

Bas: Will [the new GRTA] facilities be designed with the integration of renewable energy? I was under the impression this was addressed in the plan evident tax incentives for solar charging stations to the public, is this true?
- Cel: Yes, it will be an energy efficient facility. Renewable energy is a part of the design and infrastructure of the facility.

Kyle: wants an update on bill 167
- Lt. Gov: Not enough resources to meet the requirements of producing a plan of action within the 60-day deadline. We’ve asked BSP to assist with the planning portion. We’ll need to ensure we can comply with the law and develop a sustainable path forward for a quality product and community engagement.

Other items:
Lauren Swaddell:
- Lola brought up an excellent point last week that the action items which are currently listed as to be completed within FY20-21 would not have enough time in this range due to delays from the pandemic. She proposed, and I agree, that it would be beneficial to change this to FY21-22.
  - Steering Committee agreed on this.
- I am developing a numbering system for the goals in the G3AF so we can have an easier time navigating and communicating about the document. We will use the numbering system in the G3AF revision document that I am also drafting.
- I will send an updated working document to everyone that will have the numbered goal and a revision structure. The revision structure will have a few examples of revisions recommended from our previous meetings. Please provide feedback as needed to ensure that updating the framework is easy and complete.
• Working on scheduling a presentation with Hawaii Green Growth to present on their dashboard so that we may have a better understanding of how it will work and look and what will be needed to maintain it. They are in hiring process of a dashboard coordinator that will help us and others who are hoping to use the dashboard. Their dashboard will come online in the new year, so we can expect to begin to have the dashboard early next year.

Vangie Lujan: Where have the goals for climate action gone? How would the changes work? Would we need to look at all the tabs?

• Lauren: During the restructuring of the teams the climate action goals were dispersed to the other categories. If you scroll to the bottom of your team all the goals that have intersections with climate action will be included there.

Proxies:
• Tina Mafnas for Rebecca Respicio (GEO)
• Jennifer Calvo-Guzman for Melanie Mendiola (GEDA)

Action items:
• Will need reports on progress from the lead agencies for the framework
• Assign agencies to all action items
• Lauren will send out the email addresses for Steering Committee

Meeting Adjourned at 2:45PM