

I Mina'Trentai Dos Na Liheslaturan Received
Bill Log Sheet

BILL NO.	SPONSOR	TITLE	DATE INTRODUCED	DATE REFERRED	CMTE REFERRED	PUBLIC HEARING DATE	DATE COMMITTEE REPORT FILED	FISCAL NOTES
279-32 (LS)	T.R. Muna Barnes Aline A. Yamashita, Ph.D.	AN ACT TO PROVIDE FOR A GUAM ENVIRONMENTAL PROTECTION AGENCY-CONDUCTED SUSTAINABLE MATERIALS MANAGEMENT STUDY AND IMPLEMENTATION OF A ONE-YEAR PILOT PROJECT DEMONSTRATING THE ABILITY OF GUAM TO DEVELOP A BENEFICIAL USE FOR DISCARDED GLASS BOTTLES THAT WOULD, AMONG OTHER THINGS, DIVERT GLASS FROM THE LAYON MUNICIPAL SANITARY LANDFILL, AND FOR OTHER PURPOSES	02/20/14 3:05 p.m.	02/20/14	Committee on Rules, Federal, Foreign, & Micronesia Affairs, Human & Natural Resources, and Election Reform	04/02/14 2 p.m.	5/5/14 9:29 a.m.	Fiscal Note Request 2/27/14 Fiscal Note Received 4/22/14

SENATOR RORY J. RESPICIO
MAJORITY LEADER

CHAIRPERSON
COMMITTEE ON RULES; FEDERAL, FOREIGN & MICRONESIAN AFFAIRS;
HUMAN & NATURAL RESOURCES; AND ELECTION REFORM



I Mina'trentai Dos na Liheslaturan Guåhan
THIRTY-SECOND GUAM LEGISLATURE

MAY 02 2014

The Honorable Judith T. Won Pat, Ed.D.
Speaker
I Mina'trentai Dos na Liheslaturan Guåhan
155 Hesler Place
Hagåtña, Guam 96910

[Handwritten signature]
RE: Committee Report on Bill No. 279-32 (LS) As Introduced

Hafa Adai Speaker Won Pat:

The Committee on Rules, Federal, Foreign & Micronesian Affairs, Human & Natural Resources, and Election Reform hereby reports out its findings and recommendations on **Bill No. 279-32 (LS)**- "An act to provide for Guam Environmental Protection Agency-Conducted Sustainable Materials Management Study and implementation of a one-year pilot projection demonstrating the ability of Guam to develop a beneficial use for discarded glass bottles that would among other things, divert glass from the Layon Municipal Sanitary Landfill, and for their purposes," by **Senator Tina Rose Muña Barnes and Senator Aline A. Yamashita, Ph.D.**

Committee votes are as follows:

- 7 TO PASS
- 0 NOT TO PASS
- 3 TO REPORT OUT ONLY
- 0 TO ABSTAIN
- 0 TO PLACE IN INACTIVE FILE

Very Truly Yours,

[Handwritten signature: Rory J. Respicio]
Rory J. Respicio

2014 MAY -5 AM 9:29
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SENATOR RORY J. RESPICIO
MAJORITY LEADER

CHAIRPERSON
COMMITTEE ON RULES; FEDERAL, FOREIGN & MICRONESIAN AFFAIRS;
HUMAN & NATURAL RESOURCES; AND ELECTION REFORM



I Mina'trentai Dos na Libeslaturan Guahan
THIRTY-SECOND GUAM LEGISLATURE

**COMMITTEE REPORT ON
BILL NO. 279-32 (LS)
As Introduced**

“An act to provide for Guam Environmental Protection Agency-Conducted Sustainable Materials Management Study and implementation of a one-year pilot projection demonstrating the ability of Guam to develop a beneficial use for discarded glass bottles that would among other things, divert glass from the Layon Municipal Sanitary Landfill, and for their purposes,” by **Senator Tina Rose Muña Barnes and Senator Aline A. Yamashita, Ph.D.**

SENATOR RORY J. RESPICIO

MAJORITY LEADER

CHAIRPERSON
COMMITTEE ON RULES; FEDERAL, FOREIGN & MICRONESIAN AFFAIRS;
HUMAN & NATURAL RESOURCES; AND ELECTION REFORM

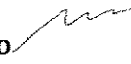


I Mina'trentai Dos na Libeslaturan Guåban
THIRTY-SECOND GUAM LEGISLATURE

May 2, 2014

MEMORANDUM

To: All Members
Committee on Rules, Federal, Foreign & Micronesia Affairs, and Human & Natural Resources; and Election Reform

From: Senator Rory J. Respicio 

Subject: Committee Report on Bill No. 279-32 (LS) As Introduced

Transmitted herewith for your review and consideration is the **Committee Report on Bill No. 279-32 (LS) As Introduced**- "An act to provide for Guam Environmental Protection Agency-Conducted Sustainable Materials Management Study and implementation of a one-year pilot projection demonstrating the ability of Guam to develop a beneficial use for discarded glass bottles that would among other things, divert glass from the Layon Municipal Sanitary Landfill, and for their purposes," by Senator Tina Rose Muña Barnes and Senator Aline A. Yamashita, Ph.D.

This report includes the following supporting documents:

- Committee Vote Sheet
- Committee Report Digest
- Copy of Bill No. 279-32(LS) As Introduced
- Public Hearing Sign-in Sheet
- Referral of Bill No. 279-32(LS)
- Fiscal Note for Bill No. 279-32(LS)
- Public Hearing Notices
- Public Hearing Agenda

Please take the appropriate action on the attached voting sheet. Your attention to this matter is greatly appreciated. Should you have any questions or concerns, please do not hesitate to contact me.

Si Yu'os Ma'åse!

SENATOR RORY J. RESPICIO
MAJORITY LEADER

CHAIRPERSON
 COMMITTEE ON RULES, FEDERAL, FOREIGN & MICRONESIAN AFFAIRS;
 HUMAN & NATURAL RESOURCES; AND ELECTION REFORM



I Mina'trentai Dos na Libeslaturan Guåhan
THIRTY-SECOND GUAM LEGISLATURE

COMMITTEE VOTING SHEET

Bill No. 279-32 (LS)- "An act to provide for Guam Environmental Protection Agency-Conducted Sustainable Materials Management Study and implementation of a one-year pilot projection demonstrating the ability of Guam to develop a beneficial use for discarded glass bottles that would among other things, divert glass from the Layon Municipal Sanitary Landfill, and for their purposes," sponsored by Senator Tina Rose Muña Barnes and Senator Aline A. Yamashita, Ph.D.

	SIGNATURE	TO DO PASS	TO NOT PASS	TO REPORT OUT ONLY	TO ABSTAIN	TO PLACE IN INACTIVE FILE
Senator Rory J. Respicio Chairperson	<i>RR</i>	5-2-14 <i>RR</i>				
Senator Thomas C. Ada Vice-Chairperson	<i>TA</i>	✓				
Speaker Judith T. Won Pat, Ed.D. Member	<i>JTW</i>	5-2-14				
Vice-Speaker Benjamin J.F. Cruz Member	<i>BFC</i>	✓				
Legislative Secretary Tina Rose Muña Barnes Member	<i>TRM</i>	✓				
Senator vicente c. pangelinan Member						
Senator Dennis G. Rodriguez, JR. Member	<i>DR</i>			✓ 5/2		
Senator Frank Blas Aguon Jr. Member	<i>FB</i>	✓				
Senator Michael F.Q. San Nicolas Member	<i>MFS</i>			✓ 5/2		
Minority Leader Senator V. Anthony Ada Member	<i>VA</i>			✓ 5/2		
Senator Aline Yamashita Member	<i>AY</i>	5/2/14				

SENATOR RORY J. RESPICIO
MAJORITY LEADER

CHAIRPERSON
COMMITTEE ON RULES; FEDERAL, FOREIGN & MICRONESIAN AFFAIRS;
HUMAN & NATURAL RESOURCES; AND ELECTION REFORM



I Mina'trentai Dos na Libeslaturan Guåban
THIRTY-SECOND GUAM LEGISLATURE

COMMITTEE REPORT DIGEST

I. OVERVIEW

Bill No. 279-32 (LS)- "An act to provide for Guam Environmental Protection Agency-Conducted Sustainable Materials Management Study and implementation of a one-year pilot projection demonstrating the ability of Guam to develop a beneficial use for discarded glass bottles that would among other things, divert glass from the Layon Municipal Sanitary Landfill, and for their purposes," by **Senator Tina Rose Muña Barnes and Senator Aline A. Yamashita, Ph.D.** introduced on February 20, 2014; and was subsequently referred to the Committee on Rules; Federal, Foreign & Micronesia Affairs; and Human & Natural Resources; and Election Reform on February 20, 2014.

Senator Rory J. Respicio, Chairperson of the Committee on Rules; Federal, Foreign & Micronesia Affairs; and Human & Natural Resources; and Election Reform convened a public hearing on **Bill No. 279-32 (LS)** on Friday, April 4, 2014, at 10:00 A.M. in the Legislature's Public Hearing Room to receive public testimony on the measure.

Public Notice Requirements

In accordance with the Open Government Law, notices were disseminated to all senators and to all main media broadcasting outlets, first on March 28, 2014, and again on April 1, 2014.

Senators Present

Senator Rory J. Respicio, Chairperson
Senator Frank B. Aguon, Jr., Member
Senator Aline A. Yamashita, Member

II. SUMMARY OF TESTIMONY & DISCUSSION

Bob Shambach, Recycling Association of Guam, in support of the bill, provided oral testimony.
Eric Palacios, Administrator, Guam Environmental Protection Agency, in support of the bill, provided oral testimony.
Shingo Kawashima, HSJ Co., Ltd., in support of the bill, provided oral testimony.
Robert Perron, Guahan Waste Control, in support of the bill, provided oral testimony.
Paul Tobiason, Recycling Association of Guam, in support of the bill, provided oral and written testimony.
David Bell, private citizen, in support of the bill, provided oral testimony.

Senator Rory J. Respicio called the public hearing to order at 10:10 A.M. and deferred to Senator Aline A. Yamashita as the co-sponsor of **Bill No. 279-32 (COR)**, to provide opening remarks the main sponsor of the Bill, Senator Tina Rose Muña Barnes, who was off-island tending to her mother during her medical recovery.

Senator Aline Yamashita read the sponsor statement from Senator Barnes. *(Please see attached for written testimony.)*

Eric Palacios: As it was stated in Senator Muña Barnes' statement, I believe that this is a step in the right direction. I think we should work collaboratively to figure out ways to reuse glass bottles, come up with diversion strategies, and keep them out of the landfills. As well as come up with ways in which maybe we can start a recycling program. I've been to several jurisdictions where I see glass bottles are a good commodity. They are a price commodity more so in some jurisdictions that have faced similar problems that we are now facing and they were able to get around those challenges and put these bottles to reuse. Locally as we all know, we have some very creative artisans that make beautiful wares out of these things. And so that aspect of this issue certainly

contributes to the reduction in bottles in the landfill or that reduce the shards on the shore. Through this process we want to identify ways to further enhance and nurture that part of this issue. I would like to make one suggestion in the bill as it is currently written and change "conduct" study to "comission," I think is the best way to move forward with this is to hire consultants in this regard. I think commissioning a study will work. I fully support this bill and I look forward to working with all the stakeholders that will be involved in this process.

Robert Perron: I'm here in support of the bill and the intent of recycling and reusing many of our resources as we possibly can anything that will keep things out of the Layon landfill and allow us to use in a different manner is very good for the community and for our planet. I am very much in favor of it. There are numerous uses as Mr. Palacios had stated. You can use them in the vetting of pipes like for GWA water pipes in and artistic use of glass. There are a lot of things we can use this valuable resource for instead of just throwing them in a hole on the ground. I will gladly assist in anyway I can in helping to make this a reality.

Shingo Kawashima: I have been doing business on Guam for more than 20 years importing aggregate material for a variety of road projects. Our company HS3 is a local company that employs more than 30 workers in construction and trading. Since 1989, we have successfully important more then 300,000 tons of sand as an aggregate for road asphalt. We are going to begin an export service from Guam to Asian markets primarily Japan. We believe we can provide a cost effective by disposing the glass waste which originates from Guam which can be recycled. We recognize the importance of properly disposing the glass waste. I am working with companies in Japan to develop viable solutions to convert glass into recycled products. I support this bill and look forward to its successful passage.

Bob Shambach: I am the current president of the recycling Association of Guam and have been a member for more than five years. My professional background is environmental consulting. I'm a geologist but have been in the environmental field for 25 years. I finally see some action and activity in regard the glass recycling. I am glad to hear that GEPA is also in support of that and is striving to zero waste here on Guam. It is great to have a company here. Generally the Recycling Association on Guam has been contacted by several senators regarding this bill. We are generally in support of this bill and its content. We have offered a lot of information. We have dug around in regards to some of the numbers such as the amount of glass that's being diverted and possibly used on Guam. The numbers are pretty thin. I don't think we have a good idea of the current waste stream on Guam. As far as I know, I don't believe there has been a waste characterization study done on Guam for the past 20 years. Possibly with part of this bill, you can actually see some kind of waste characterization study done on Guam do we have a better idea on percentages. When GEPA comes out with a recycling rate of 17% or hopefully 25% we will know where we stand and what kind of waste. We will know if glass is 10% of the waste stream or whichever that percentage is. One of the things that is not included in this bill and should be part of the analysis and determines who is going to do it. On Guam we currently have an option to divert the glass from our waste stream. GSWA currently has bins at the three waste transfer stations. If people are actively doing the waste disposal then you can take your bottles there to be diverted. Unfortunately that glass right now even though people are saying is being recycled, it is being used as daily cover at the landfill. It can be used in construction, can be used for buildings putting into cement or use as a substitute for some aggregate. There are a lot of different options as far as the types of crushers or pulverizers for the people or group that actually do this study but one of the things I would like to throw out there is that to take a look at portability and not having a unit at one location. There are units that you can actually put on a flatbed truck and take to different areas to different villages so that people aren't inconvenienced. It is a lot more convenient to go to your mayors office then it is to go to Dededo if you live in Merizo. That was one thing that I'd like to put out there. In the bill is stated there that there are probably 120,000 pounds of material a year that is only 60 tons a year it may seem like a lot so this study is going to definitely have to look at those numbers. We think it is a lot higher than the 120,000 pounds a year so that that may make it viable as an option as far as the economy scale to make it an actual business venture that someone would like to look into. Every time we mentioned the Recycling Revolving Fund we get nervous because we've seen it get robbed several times we just want to make sure that the find funds are being used for recycling related projects. I certainly think that this is a related project. Utilizing that fund seems viable from that. Also, possibly if there is a phase 2 or phase 3 to this considered grant money for purchases of other equipment if necessary. You may want to consider a phased approach we have in the bill it says \$250,000 set aside which seems reasonable number considering the cost of certain crushers and pulverizers but before someone pulls the trigger, and says we are going to buy this first we should get the contract and assess what's

going on as far as the markets go there. Glass is hard to get rid of in the recycling market. It really doesn't have a viable economy number. Not like aluminum or other metals.

Senator Respicio: I am very sympathetic to recycling efforts. If any recycling company is going to exist on the island, the community has to subsidize these efforts. This is why we created the Recycling Revolving Fund. And getting whatever assistance we can to establish these meaningful public private partnerships. Basically we are going to be conducting a feasibility study for a company that might want to do this as a business venture. If that company is going to do this as a business venture then certainly they might want to invest in their own their to determine if that kind of business adventure is a viable. This is a recycling effort. Recycling only works if the community subsidizes recycling efforts. Is there a need to use this money for a study for something we have to do anyway and regardless to what the study will say? My point is maybe this is better if this is just a grant? How much would these machines cost? How much will it cost to operate these machines? If the Recycling Revolving Fund would make the investment and we do a request for proposal, what kind of business interest is out there so partners of that commodity with the glass crusher and the company that is willing to do this. Eric, do you have any idea?

Eric Palacios: It is important that we use the money to commission a study it would help the agency better understand really what we are dealing with. Once this becomes a business venture someone will step up to the plate and want to take this type of activity on we will ultimately regulate that business under our solid waste program.

Senator Respicio: Who is in this kind of business already know what those best practices are? If you commission a study and say that it is not economically feasible to try to divert glass out of the landfill as it is very expensive there is no value to a really unlike steel and other recyclable commodities if you do is study and the study comes back it is not feasible we are still going to have to do something about diverting those glass bottles from going into the landfill?

Eric Palacios: I agree with you in that regard but I think that commissioning the study could potentially entice potential investors who aren't in the solid waste management industry and further enhance one's ability to manage solid waste.

Senator Respicio: Do you have an idea of what this \$250,000 breakdown will look like?

Eric Palacios: We haven't gone that far.

Senator Respicio: You are not ready for this kind of program.

Eric Palacios: It's not that we aren't ready, but we weren't sure.

Senator Respicio: How much would a study cost?

Eric Palacios: My best estimate would probably be in the \$50-70,000 range.

Senator Respicio: So why don't we just fund \$50,000? I'm not in the interest of giving blank checks.

Eric Palacios: I think if we can adjust it downward, that would be OK. I do like the language that is currently in there.

Senator Respicio: It is so broad. You are asking people to pay for their vehicle registration having this money go into a Recycling Revolving Fund so we can have recycling programs, then over the years, the Governor has taken \$5 Million out of this fund and diverted that cash somewhere else. I understand the intent of sponsors that we are just going to commission another study with no end in sight as to what we are going to do after we commission the study? We start something, create expectations and in the end, its just a study.

Eric Palacios: I can assure everyone and the community that the Governor has not robbed the recycling fund. In fact, it is the healthiest fund it has been in many years.

Senator Respicio: Has he reimbursed the fund?

Eric Palacios: I believe we are current.

Senator Respicio: So he put back 5 Million Dollars in?

Eric Palacios: Governor Calvo has put in whatever has been allotted during his tenure. I would need to get clarification from DOA is any monies were expended before he came in were returned. I am not sure.

Senator Respicio: I have been asking for that information for every time you come down to this Legislature for a hearing on what is the status of the Recycling Revolving Fund. We have an idea to appropriate 2 Million Dollars to get the mayors and the vice-mayors the heavy equipment they need to take care of storm drainage runoff and also recycling programs in the community. We can't move forward on that bill because there is no idea about what the cash balance is.

Eric Palacios: At our last Board Meeting, we reported that as least as of two weeks ago, it was about 3.5 Million Dollars in the account. That number will go down.

Senator Respicio: Is that the paper balance or is that a cash balance?

Eric Palacios: That is a cash balance.

Senator Respicio: If you had a bill to appropriate 3 Million, will you have money to do that?

Eric Palacios: Maybe not 3 Million because we recently encumbered some monies for the Mayors Council and some other expenses. 2 Million we can lawfully encumber.

Senator Respicio: Maybe this can be a phase-in approach where we have an end in sight and have an idea on what it will cost to buy those equipment and to have this kind of program. We should start budgeting for that so that if we are going to commission a study, I think that whatever the study says, we need to do this.

Eric Palacios: I agree. In the bill or in Senator Barnes' statement, there is a Sunset provision.

Senator Respicio: This bill is tricky because it states "Any unexpended funds remaining in the Guam Environmental Protection Agency's budget at the conclusion of the sustainable materials management study and its attendant pilot project shall be returned to the Recycling Revolving Fund. This appropriation will continue to be available until expended and is not subject inter-fund borrowing or the Governor's Transfer Authority." This is broad and you can keep having a study.

Eric Palacios: Absolutely not. That would not be our intention because we have so much to do up in the Agency. There is language that says "a one-year pilot project" in Senator Barnes' statement. This is very doable.

Senator Respicio: The testimony says a "Sunset" provision but the bill doesn't have a sunset provision.

Eric Palacios: If it can be included, I could support that 100%.

Senator Respicio: Are you aware if the Solid Waste or receiver has any of this data regarding the cost of the study?

Eric Palacios: I can confirm.

Senator Respicio: The receiver talked about the percentage of recyclable recycling that is currently happening then he talked about in the most ideal environment how this recycling can go up. From the recyclers' perspective,

do you have any idea what something like this would cost? As a recycling enterprise company and as Chairman of the EPA Board, how do we marry these two interests? It's not just that we are commissioning a study, we have to do this anyway, and this \$50,000 could of gone into buying the glass crushers or give that money to the Recycling Association of Guam and have them do all their outreach or fund all their community projects. This is an awful lot of money to be giving to somebody to do a study where we can start showing some kind of impact in the community. When people are paying their vehicle registration, they aren't wondering where their money is going to.

Robert Perron: Bob's idea of wrapping a waste characterization study into this is a very good idea. It will put a number to the number of glass available to recycling and give the business community and the recyclers if it is something that is viable, on its own or if it needs to be subsidized. This is where you get the bang for your buck in this type of study. The way I envision it is if it becomes real, you have a glass recycling industry probably a residential component or you would have convenient drop off locations with the mayors for the residence and on the commercial side your big glass producer such as bars that have the beer bottles that can be picked up. There can be a trash hauler and can be charged a fee like a tipping fee that can be used by the recycler to offset their costs. The economics should really be flushed out before a good decision should be made.

Senator Respicio: Our recycling bins are not accepting glass.

Bob Perron: The difficulty is that we do not want the shards and glass to be contaminated with fibers, etc.

Bob Shambach: Mr. Chairman, I feel your concern for a certain study. In order for us to put something in place, if we decide to do that on a commercial scale or even GSWA, we need a study. A lot of people know there is a glass crusher on AAFB. I don't know how much they process or their waste stream or how much glass they collect. Saipan has a glass crusher as well.

Senator Respicio: We did have a glass crusher.

Bob Shambach: I understand. That is why a private-public partnership. I think as long as you have a private corporation, they should have insurances. I would hate to see this bill not approved and a study not funded. I understand your reluctance. I don't see all that funding being spent, but it being set aside.

Senator Respicio: The senators sponsoring this are really onto something good. If you add a \$250,000 grant, do you think there will be private sector interest to get a glass crusher and have that operational?

Shingo Kawashima: We just supply the aggregate and sand from the Philippines and Japan right now. A city in Japan is now looking for a company to recycle glass bottles and waste tires.

Senator Respicio: So your idea is to ship these things off island like the abandoned vehicles and scrap metal. The \$250,000 cost with the free shipping costs and be profitable but make that venture economically sustainable.

Shingo Kawashima: I am sure right now how the \$250,000 will be used.

Eric Palacios: Saipan has asked us advice on what they can do with their crushed glass but we are not at a point where we have a glass crusher in the civilian community. The only glass crusher is in Andersen.

Senator Respicio: Do you have any idea what Andersen does with their crushed glass?

Eric Palacios: It get stored in roll-off bins is what I understand. I am not sure if it gets shipped off-island.

Bob Shambach: It typically goes to the landfill or to their golf course.

Senator Respicio: Why do we need a study if we already know what Andersen is doing?

Bob Shambach: A lot of the stuff they do is because they are told to do this. Their glass has been used for beneficial reuse. But they don't have someone up there. Even the contractors that work on base know it's available for construction projects.

Senator Respicio: We don't know if they are versed in donating that to the community.

Bob Shambach: Anderson certainly will. I go up there with five gallon buckets all the time and I use it for my own personal use around my home. I've also given glass to local artists.

Senator Respicio: Have you ever made an attempt to ask the military for a partnership where we give them the glass, they crush it, and we get the end product and give it to GWA to line it for pipes?

Eric Palacios: We have reached out to DOD. They do not accept glass from outside. Their installation.

Senator Respicio: These are very different times. I think if the military expects us to be a partner, they are going to continue to do what they can by offering these kinds of relationships and creating these types of opportunities.

Paul Tobiason was called to join the panel and provided testimony (*Please see attached written testimony.*)

David Bell: I pointed out to the administrator that the intention of the bill is not only to conduct a study but to operationalize whatever came about. Someone mentioned we have to put bins in individual houses so that not only does it do a study it but it, actually creates a program.

Senator Respicio: Do you think you can provide the committee with some measurable goals so when we go back to evaluate \$250,000? I am looking for accountability. If that is a measurable goal to prevent glass from going into the landfill at what percentage of that goal would we say we've been successful?

David Bell: Any amount would be successful I think the idea of this operation is to make sure no glass is going into the landfill.

Eric Palacios: What I would deem successful would be the first glass bottle that would be the first to go into Layon and it would be 100% better already.

Senator Respicio thanked the senators present at the hearing.

No further testimony being offered, Senator Respicio then declared that **Bill No. 279-32 (COR)** was duly heard.

III. WRITTEN TESTIMONY

1. Paul Tobiason, Recycling Association of Guam, in support of the bill, provided oral and written testimony.

Senator Barnes, Thank you for creating and introducing this bill. Here are some of my thoughts on this glass issue.

Basically this bill does two (2) things.

1. write a study (Guam EPA hires contractor)
2. show applications (Demonstrate beneficial uses)

In the wording of this bill there is "a broad array of options" but there are no examples.

I would like to suggest that these be listed and reference made to communities that are actually doing this (ie: Maui, HI). Here are some application: cottage industry for local residents making lamps or coffee tables, mixed with concrete for sidewalks & plastering, under roads for drainage, sand blasting rust, bed for laying water or communications pipes.

\$250,000 from Recycling Revolving Fund? Is this money actually in the fund? How much money is in the fund at this time? When was the last audit done and by whom?

I would like to see the bill mention that Andersen AFB has a glass pulverizer that is still operational. (since 1995).

Thank you,
Paul Tobiason, member Recycling Assoc. of Guam

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IV. FINDINGS AND RECOMMENDATIONS

The Committee on Rules, Federal, Foreign & Micronesian Affairs, and Human & Natural Resources; and Election Reform hereby reports out **Bill No. 279-32 (LS)** with the recommendation to PASS.

I MINATRENTAI DOS NA LIHESLATURAN GUÅHAN
2014 (SECOND) Regular Session

Bill No. 279-32(WS)

Introduced by:

T. R. Muña Barnes
Aline A. Yamashita, Ph.D.

AN ACT TO PROVIDE FOR A GUAM ENVIRONMENTAL PROTECTION AGENCY-CONDUCTED SUSTAINABLE MATERIALS MANAGEMENT STUDY AND IMPLEMENTATION OF A ONE-YEAR PILOT PROJECT DEMONSTRATING THE ABILITY OF GUAM TO DEVELOP A BENEFICIAL USE FOR DISCARDED GLASS BOTTLES THAT WOULD, AMONG OTHER THINGS, DIVERT GLASS FROM THE LAYON MUNICIPAL SANITARY LANDFILL, AND FOR OTHER PURPOSES

2014 FEB 20 PM 3:05

BE IT ENACTED BY THE PEOPLE OF GUAM:

Section 1. Legislative Findings and Intent. *I Liheslaturan Guåhan*

recognizes and acknowledges the clear connection between waste reduction, recycling, resource recovery, and beneficial reuse issues and the need to change unsustainable consumption and production patterns while protecting and managing the natural resource base of economic and social development. *I Liheslaturan Guåhan* finds that based on recent estimates, the expected life of the landfill will be 35-40 years. The life span of the landfill can be extended only with effective implementation of waste reduction, recycling, resource recovery and beneficial reuse programs. *I Liheslaturan Guåhan* further finds that Guam's limited and valuable land resource and fragile environment must be preserved and protected.

12 The protection of the environment, both terrestrial and aquatic, stimulation of the
13 economy, and distribution of equity can be achieved by promoting waste reduction,
14 recycling, reuse, resource recovery, and beneficial use through Zero Waste
15 practices in the public and private sectors. I Liheslaturan Guåhan finds that it has
16 embraced as a public policy Zero Waste through the adoption of Legislative
17 Resolution No. 189-32 (COR).

18 *I Liheslaturan Guåhan* further finds that the Guam Solid Management
19 Authority has successfully developed and implemented an island-wide system that
20 is engaged in capturing recyclable products that have been discarded to include
21 paper, cardboard, and aluminum cans. Despite the broad array of options involved
22 in the recycling of glass products, glass is not yet being recycled on Guam due to,
23 among other factors, the lack of economies of scale. It is estimated that Guam will
24 dispose of approximately One Hundred and Twenty Thousand pounds (120,000
25 lbs.) of glass bottles each year at the Layon Municipal Sanitary Landfill.
26 Therefore, an effort should be made to foster the recycling and beneficial reuse of
27 glass and a feasibility study and operationally based pilot project toward that end is
28 warranted and necessary.

29 **Section 2.** The Guam Environmental Protection Agency shall obtain
30 contractual professional services to develop and implement a one-year pilot project
31 that includes, at a minimum, a sustainable materials management study and the
32 implementation of an operational based pilot project that demonstrates the ability
33 of Guam to develop a beneficial use for discarded glass bottles and other glass
34 products.

35 **Section 3. Appropriation.** The sum of **Two Hundred Fifty Thousand**
36 **Dollars (\$250,000)** is hereby appropriated from the Recycling Revolving Fund to
37 fund the pilot project mandated under Section 2 of this Act. Any unexpended
38 funds remaining in the Guam Environmental Protection Agency's budget at the

39 conclusion of the sustainable materials management study and its attendant pilot
40 project shall be returned to the Recycling Revolving Fund. This appropriation will
41 continue to be available until expended and is not subject inter-fund borrowing or
42 the Governor's Transfer Authority.

43 **Section 4. Effective Date.** The provisions outlined in this Act shall
44 become effective immediately upon enactment into public law.

SENATOR RORY J. RESPICIO

MAJORITY LEADER

CHAIRPERSON
COMMITTEE ON RULES; FEDERAL, FOREIGN & MICRONESIAN AFFAIRS;
HUMAN & NATURAL RESOURCES; AND ELECTION REFORM



I Mina'trentai Dos na Libeslaturan Guåhan
THIRTY-SECOND GUAM LEGISLATURE

PUBLIC HEARING SIGN-IN SHEET

Friday, April 4, 2014- 10:00 A.M.

I Liheslatura • Public Hearing Room • Hagåtña, Guam

Bill No. 279-32 (LS)- "An act to provide for Guam Environmental Protection Agency-Conducted Sustainable Materials Management Study and implementation of a one-year pilot projection demonstrating the ability of Guam to develop a beneficial use for discarded glass bottles that would among other things, divert glass from the Layon Municipal Sanitary Landfill, and for their purposes," **Sponsors- Senator Tina Rose Muña Barnes and Senator Aline A. Yamashita, Ph.D.**

NAME	AGENCY OR ORGANIZATION	SUPPORT? OPPOSE?	WRITTEN TESTIMONY	ORAL TESTIMONY	PHONE NUMBER	EMAIL ADDRESS
BOB SHAMBACH	Recycling Assoc. of Guam	Support	NO	Yes	727-6094	bobshambach@yahoo.com
Eric Palacios	Guam EPA	Support	NO	YES	300-4751	eric.palacios@epa-guam.gu
^(Shingo) Shingo Kawashima	H.S.J CO, LTD.		NO	Yes	688-5007	shingo0524@gmail.com

SENATOR RORY J. RESPICIO
MAJORITY LEADER

CHAIRPERSON
 COMMITTEE ON RULES; FEDERAL, FOREIGN & MICRONESIAN AFFAIRS;
 HUMAN & NATURAL RESOURCES; AND ELECTION REFORM



I Mina'trentai Dos na Libeslaturan Guåhan
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NAME	AGENCY OR ORGANIZATION	SUPPORT? OPPOSE?	WRITTEN TESTIMONY	ORAL TESTIMONY	PHONE NUMBER	EMAIL ADDRESS
<i>Bob Pollen</i>	<i>Guam Work Central</i>	<i>Support</i>			<i>649-5183</i>	<i>report@wrccbbshw.com</i>

SENATOR RORY J. RESPICIO
MAJORITY LEADER

CHAIRPERSON
COMMITTEE ON RULES; FEDERAL, FOREIGN & MICRONESIAN AFFAIRS;
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NAME	AGENCY OR ORGANIZATION	SUPPORT? OPPOSE?	WRITTEN TESTIMONY	ORAL TESTIMONY	PHONE NUMBER	EMAIL ADDRESS
<i>Tobiason Paul</i>	<i>Recycling Assoc. of Guam</i>	<i>Support</i>	<i>emailed</i>			<i>tobiasonp@TeleGuam</i>

SENATOR RORY J. RESPICIO
MAJORITY LEADER

CHAIRPERSON
 COMMITTEE ON RULES; FEDERAL, FOREIGN & MICRONESIAN AFFAIRS;
 HUMAN & NATURAL RESOURCES; AND ELECTION REFORM



I Mina'trentai Dos na Liheslaturan Guåhan
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NAME	AGENCY OR ORGANIZATION	SUPPORT? OPPOSE?	WRITTEN TESTIMONY	ORAL TESTIMONY	PHONE NUMBER	EMAIL ADDRESS
David Bell	Barnes PRIVATE CITIZEN	Support				



I Mina'Trentai Dos Na Liheslaturan Guahan
Office of The Legislative Secretary
Tina Rose Muña Barnes

STATEMENT OF TINA MUNA BARNES ON BILL 279

SENATOR TINA MUNA BARNES AND SENATOR ALINE YAMASHITA INTRODUCE BILL 279 THAT WILL SEEK TO ENSURE THAT THE LIFE OF THE LANYON LANDFILL IS EXTENDED THROUGH ZERO WASTE, RECYCLING AND BENEFICIAL REUSE PROGRAMS.

Hagåtña- April 4, 2014

Good Morning. Thank you very much for being and participating in this public hearing. Senator Yamashita and I introduced Bill 279 an act to provide for a sustainable materials management study and a one year – operationally based pilot project which will assist in the development of a beneficial reuse for glass. Bill 279 seeks to ensure that the life of the Lanyon Landfill is extended through zero waste, recycling and beneficial reuse programs. Today, the Guam Solid Waste Management Authority has successfully developed and implemented an island wide system that is engaged in capturing recyclable products like; paper, cardboard, and aluminum. Despite the broad array of options involved in the recycling of glass products, glass is not yet being recycled on Guam due to the lack of economies of scale.

It's estimated by the Guam Solid Waste Management Authority that approximately, **One Hundred and Twenty Thousand Pounds (120,000)** of glass bottles are disposed of each month at the Lanyon Landfill. At the current rate in less than ten years Guam could have over a million pounds of glass taking up precious space in Guam's only land fill. Given Guam's limited and valuable land resource and its fragile environment it is warranted and necessary that an effort be made to foster the recycling and beneficial reuse of glass Bill 279 serves as a companion to both the Bottle Bill Law and also to Zero Waste Resolution 189 that was adopted by the Legislature. Bill 279 seeks to provide the foundation and support for a private company to develop a solution for glass recycling. It has been demonstrated over the years that public-private partnerships work when it comes to recycling. Bill 279 creates a policy nexus for a public-private partnership to resolve the long standing issue of glass recycling on Guam. Bill 279 is a pilot project and will only last for a year. Bill 279 takes its lead from Zero Waste Resolution 189, which was a bi partisan policy resolution introduced by myself, Senator Respicio, Senator Tony Ada, Senator BJ Cruz, Senator Yamashita, and Senator McCreadie

Resolution 189 found that based on recent estimates, the expected life of the landfill will be 35-40 years; with the Military as a customer and 45-50 years without the Military. And that the life span of the landfill can be extended only with effective implementation of waste reduction, recycling, resource recovery and beneficial reuse programs. The guiding principles of Zero Waste are: managing resources instead of waste; conserving



I Mina'Trentai Dos Na Liheslaturan Guåhan
Office of The Legislative Secretary
Tina Rose Muña Barnes

natural resources through waste prevention and recycling; turning discarded resources into jobs and new products instead of trash; promoting products and materials that are durable and recyclable; and discouraging products and materials that can only become trash after their use. Resolution 189 also called for the Guam EPA to recognize the Zero Waste Philosophy by embracing the idea of: Sustainable Materials Management” rather than “Solid Waste Management”. I recognize and support Guam EPA’s move in this direction through their recently announced “Zero Waste Pacific” Regional Conference that will take place later this year during the month of May. It is a step in the right direction.

The road to developing environmental justice for all who call Guam home through meaningful and productive public policy requires hard work and a great deal of diligence. Bill 279 is an important part of pursuing sustainability for our island. Senator Yamashita and I have worked closely with the Recycling Association of Guam, the broader environmental community as well as recycling operators on Guam to develop Bill 279 which is representative of my commitment to the cause of preserving our environment for future generations. Which is as strong today as it was in the beginning of my work on behalf of the people of Guam and I look forward to working with the members of the legislature, and Governor Calvo to make Bill 279 a public law.

##



Fwd: Glass Recycling...Bill # 279-32

Paul Tobiason <tobiasonp@teleguam.net>

Fri, Apr 4, 2014 at 2:53 PM

To: "Sen. Rory J. Respicio" <roryforguam@gmail.com>, "senator@tinamunabarnes.com" <senator@tinamunabarnes.com>, Aline Yamashita <aline4families@gmail.com>, cor@guamlegislature.org, jennifer@roryforguam.com, RAG President - Shambach_Bob <bobshambach@yahoo.com>

04.Apr.2014 — as requested here is my correspondence earlier this week regarding Bill 279-32.

In addition to the below text, I offer the following:

- The purpose for recycling/reuse of waste glass should be diversion of materials from the landfill and using natural resources in a good way.
- If the landfill charges \$170/ton, then a ton of waste glass would have the value of \$170 as an avoided cost.
- Mr. Shambach mentioned that much of the information may already be available through GWA, DPW, Hawaiian Rock, Black Construction.
- PL-100-24 should be enforced. By itself this provides a market for the glass. (since October 1997)
- processing waste glass (pulverizing) will provide a few more jobs.
- the GBB/GSWA recycling program already shows that residents want to recycle
- it's often mentioned that waste glass has little value yet each wine bottle, beer bottle, etc. arriving at the port creates a disposal expense for the Guam community. It seems to make sense that each bottle would "pay-it's-own-way" in the form of disposal fee levied at the port of entry.
- Today I provided 4 copies of information showing actual uses of pulverized glass.
- Aloha Glass in Maui, HI can probably provide good information on this issue.

This bill has a good intent and I therefore am in support of it. But, it could be amended to include the points brought up at the public hearing today.

Respectfully, Paul Tobiason

----- Original Message -----

Subject:Glass Recycling...Bill # 279-32

Date:Thu, 03 Apr 2014 10:51:35 +1000

From:Paul Tobiason <tobiasonp@teleguam.net>

To:senator Tina Muna Barnes <tinamunabarnes@gmail.com>, RAG President - Shambach_Bob <bobshambach@yahoo.com>

Senator Barnes, Thank you for creating and introducing this bill.
Here are some of my thoughts on this glass issue.

Basically this bill does two (2) things.

1. write a study (Guam EPA hires contractor)
2. show applications (Demonstrate beneficial uses)

In the wording of this bill there is "a broad array of options" but

there are no examples.

I would like to suggest that these be listed and reference made to communities that are actually doing this (ie: Maui, HI).

Here are some application: cottage industry for local residents making lamps or coffee tables, mixed with concrete for sidewalks & plastering, under roads for drainage, sand blasting rust, bed for laying water or communications pipes.

\$250,000 from Recycling Revolving fund? Is this money actually in the fund?
How much money is in the fund at this time? When was the last audit done and by whom?

I would like to see the bill mention that Andersen AFB has a glass pulverizer that is still operational. (since 1995).

Thank you,
Paul Tobiason, member Recycling Assoc. of Guam

=====

“Waste Glass put to good uses”

Austin's Sidewalk on Glass

The Austin (Texas) Department of Public Works installs a new concrete sidewalk on top of a two-inch layer of fine grained glass made of waste diverted from its landfill. At \$5 to \$6 per ton, the re-purposed glass can compete in price with natural aggregate.



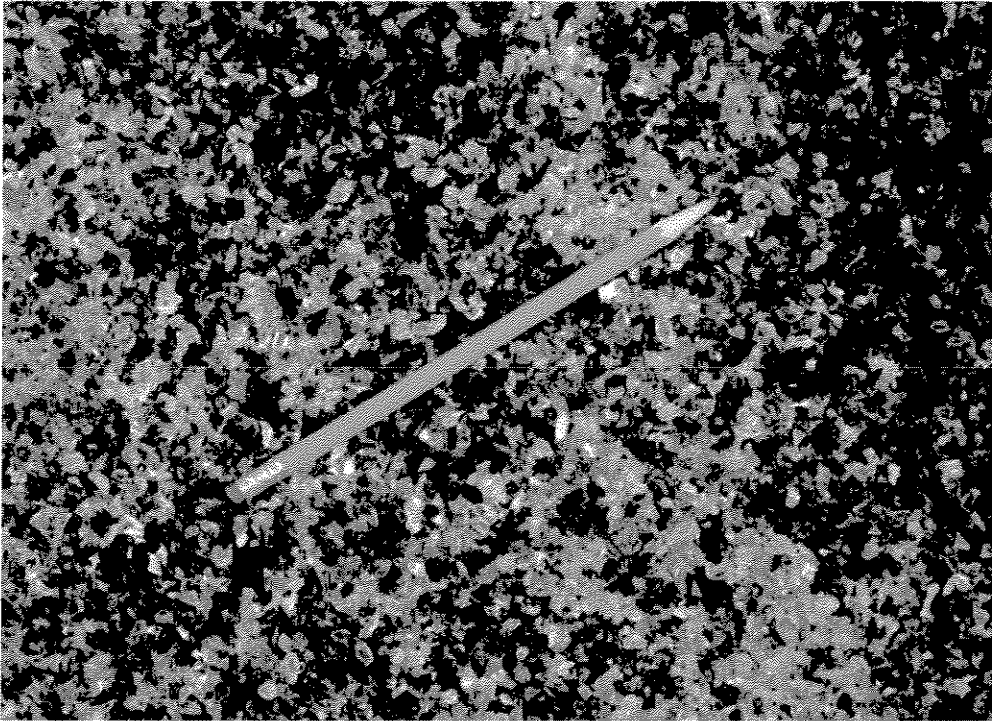
Glass Crusher

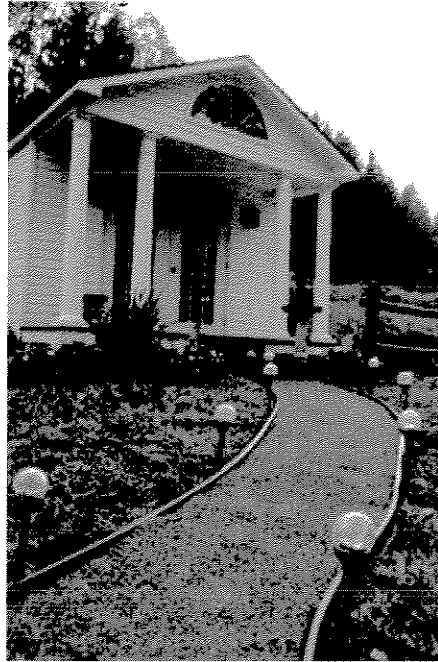
A glass crusher makes glass cullet out of waste glass at a Materials Recovery Facility (MRF) in Austin, Texas. The crusher can output cullet in various consistencies, as coarse as pebbles or as fine as sand. It can then be used as landscape mulch for walking trails, drainage media for pervious pavements, backfill for a retaining wall, or bedding material under sidewalks and small diameter water and service lines.



Glass Cullet

Cullet that is clean and sorted by color can fetch as much as \$60 per ton in some markets, but unsorted glass co-mingled with other waste is virtually worthless to manufacturers. However, it can bring \$6 per ton as an aggregate substitute for roadbeds and other projects.





Mermaid Swims in PA Blue Glass

Close the Loop offers a wide selection of eye-catching colors and sizes of tumbled glass mulch to spruce up the landscaping around your home or business. The proprietary production process produces glass that has virtually no sharp edges. These mulch mixes work especially well for garden pathways. See a mermaid 'swim' in PA Blue Glass [here](#).

Add a bit of sparkle to your landscaping!

Tumbled recycled glass, the newest trend in unique, environmentally-friendly, green landscaping...

Benefits & Uses for Garden Glass:

Long Lasting & Beautiful Colors – Glass takes over 1,000 years to decompose!

Permanent Landscaping Mulch that never fades or needs replacing

Glass mulches are a unique alternative to traditional bark or gravel mulches.

Many Arts & Craft uses including terrariums, aquariums, flower arrangements, picture frame borders,

Driveways, parking lots, walkways, garden paths, fish ponds, fire pits

Mix into concrete counter tops or sidewalks, terrazzo tile effect

Non skid & reflective paint applications

Decorative fountain stone & birdbath applications

Natural deterrent to **slugs** when used around your garden (slugs do not like going over glass)

Cullet (crushed glass) can have many uses, the first of which is the most obvious - it is mixed with soda ash, sand and limestone, and put into a furnace, creating new molten glass. This can then be used to make new bottles and jars.

But cullet can be used in many other ways, such as:

- as either base or surface coat (when mixed with asphalt) for roadways
- as an additive to clay for brick-making
- as an aggregate fill for moisture drainage; it can also be used in this way to filter water
- for use in making spun glass fiberglass filaments for insulation
- for "foamglass" - a cellular form of glass used for insulating and moisture resistance, similar to other insulation; it can also be used for oil spill cleanup
- to make "glasscrete", a cement-based composite which contains glass
- for use in hydroponics, as a growing medium for soil-less gardening
- as a landfill cover
- in pressed glass, for tableware, giftware, and the like
- in sand traps on golf courses
- to make glass mosaic tiles and synthetic marble
- as utility bedding and back fill, particularly around underground pipelines and cables—it is easier to work with than sand when wet

Another American company, Andela Products Ltd., has created a "Glass Pulverizer System" for turning all types of glass into sand and gravel that has no sharp edges. It has the added bonuses of being able to use all types of glass, including windows and ceramics (which cannot be made into new molten glass), and of separating other contaminants, such as trash, at the same time as it crushes, therefore not requiring pre-sorting. This pulverized glass also has many uses, including:

(link: <http://www.saskwastereduction.ca/resources/glass/alt-uses.html>)

web link: <http://www.reporternews.com/news/2008/dec/30/pulverizer-turns-recyclables-into-glamorous/?print=1>

**Abilene Reporter-News - Printer-friendly story
Pulverizer turns recyclables into glamorous glass**

**By Mattia Bray
Special to the Reporter-News**

Tuesday, December 30, 2008

Recycled glass is getting a new lease on life in part to the City of Abilene Recycling Center's glass pulverizer. Abilene was the first city in Texas to obtain the pulverizer and it is being put to good use.

The pulverizer was acquired 15 years ago by the recycling center through a grant from the West Texas Council of Governments. Glass is ground so finely that a person can hold handfuls of it and squeeze it without getting cut. The edges are rounded so that it is safe to handle with bare hands.

A large variety of glass is able to be recycled by the machine. These include wine and beer bottles, jars, and most household glass. The recycling center will not accept mirrors or windshields to be pulverized. Much of the glass to be recycled comes from Brownwood and Sweetwater.

Visitors have come from all over the globe to watch the pulverizer in action. Siberia, Sweden, Czechoslovakia, Finland, Brazil and Argentina are just some of the countries represented.

According to recycling manager, Leonard Neith, school field trips are common at the recycling center. In addition to the pulverizer being a highlight for students, they are also treated to a tour of the entire facility. Staff from the center also visits schools, educating local students about the benefits and uses of recycled materials.

Neith said the pulverizer is used, on average, once a week. From start to finish, the cycle takes less than an hour to complete. There are two sides, or screens, on the machine. Depending on which side is used, the coarseness of the final product can be sandy or similar to very small gravel. Both finished products are safe to hold and use.

The glass is put into the pre-breaker first, which breaks down the glass. It then goes up the conveyor into a set of barrels. The barrels have inserts which crush and pulverize the glass. Afterward, the glass is deposited into tumblers which have the two screen sizes. This is where the coarseness of the product is chosen.

Uses for the pulverized glass are limited only by ones' imagination. Landscaping, crafts, flooring and countertops are just a few ideas. Thomas Elementary in Abilene used truckloads of glass for some of their pathways in front of the school. Road crews have used the glass on I-35 near San Antonio for the glitter effect. Crews in Corpus Christi are experimenting with using glass to control erosion on the coast in order to replace beach sand, since it can be walked on with bare

feet.

According to Neith, one out of town company has used the glass to make terrazzo flooring. Currently, the gravel sized glass colors are mixed. Next year, the recycling center will attempt to separate colors so that visitors needing specific colors for their projects can benefit.

One customer mulched her rose bushes with the glass, which shimmers at night when light is cast on the bushes. Some people toss it on their lawns for that shiny effect or mulch their entire gardens.

Neith pointed out that glass is the heaviest product in our trash and quickly fills up landfills. At the recycling center, the pulverized glass is free if a visitor loads it themselves. People can bring a bucket or a flat bed trailer, depending on the amount needed. If the center loads it for customers, they will only do so on a trailer and will charge \$5 a cubic yard. For delivery, there is a \$25 fuel charge, plus the cubic yard charges.

Silvetta Ann Kekow has been using the pulverized glass for five years in her yard and her original art work. She surrounded trees in her yard with glass to help keep the mud down. "It's also functional and pretty," said Kekow. Kekow makes earrings, necklaces and bracelets with glass. She is also experimenting with miniature stained glass pictures.

Kekow is planning a project to keep her busy during the cold winter months. She wants to create a "wall of glass" next to her workshop. It will resemble a type of fence. She owns three rock tumblers, each of which holds 35 pounds of glass. Kekow plans on breaking up her own bottles, as well as using pulverized glass from the recycling center.

Kekow is hoping that her glass wall will not only be functional and practical, but beautiful as well. She also enjoys recycling glass and creating original bowls, drinking glasses, treasure bottles and jewelry.

ZZZZ

Table 1: Summary of Recycled Glass Uses

(Source: Lisa A. Skumatz, Ph.D. and Juri Freeman (Skumatz Economic Research Associates, Inc. Superior, CO), "What do we do with these piles? Finding alternative uses for glass piles requires a closer look at lower value but cost-effective applications", Resource Recycling, June 2007)

Strategy	Program	Results
Aggregate and Road Uses		
Road aggregate for base material	Some states have set specifications for road aggregates that provides for up to 10% of reclaimed glass be blended with other aggregates as a Class 5,6 or 7 road base material	It is common, well proven, and safe. Research has shown that recycled glass can actually improve the quality of gravel in an aggregate mix for road base, and can be used up to 100% as a base in some cases. Aggregate contractors use the same machines to crush glass as they use to produce aggregate. Can enhance permeability of road surface, and decrease stream runoff. Costs savings depends on aggregate prices.
Road cover for landfill	Use the pulverized glass at the landfill in two capacities: 1. Larger pieces can be used as a road base 2. Smaller "sand" size glass can be used as a dust control device.	Both uses are successful. As a dust control, it works better than water because it reflects the sun and keeps the ground from drying out as quickly. As a road base, the permeability of the glass is an advantage.
Road material: Glassphalt	Use 5-10% reclaimed glass mix with asphalt and aggregate for road surface.	Has been used for over 30 years on country roads, highways and even airport runways. Lifetime, wear, slippage, and cracking have been proven to be comparable to conventional surface materials. Reports of glass "popping" out of surface in heat, same as rocks, but more citizen complaints around glass. Satisfactory with public in some communities, though not in all.
Airport runway	10% reclaimed glass aggregate used for airport runway and apron surface.	Installed a 3000x40' runway about eight years ago that has worked well. Used approximately 400 tons of glass in the construction of the runway. Passes inspection of state, and over time, skid resistance has actually increased.
Salt/sand mix for roads in winter	Mix with sand, salt or magnesium chloride to apply to the roads and sidewalks in the winter.	Very successful as a non-slip application, it increases traction significantly for both roads and sidewalks.
Locomotive traction sand	Railroads use the recycled glass to put directly onto the rail lines from the locomotive.	Has worked well to date, but not used in many areas. The application of the traction sand is controlled automatically from an on-board computer based on analysis of slippage and traction. Crushed and cleaned, recycled meets standards. Potential for replacing silica where silica dust raises health concerns, or where existing silica is not clean or contains high levels of clay. ¹
Striping	Use glass as reflective material in road stripes or cross walks	Very successful, but not using much tonnage. Some DOTs have discovered that paint adheres better to glass than other aggregates. Glass also lasts longer, and retains sparkle longer than other materials.
Filtration, sand, and abrasives uses		
Pipe bedding or septic system mounds	Lay below pipes when installing or build septic mounds.	Works well and studies have found it to be technically sound. Good potential for recycled because color mix, labels, and residual sugars are not an issue. Good drainage qualities.
Filter sand for pool and septic systems	Use rejected glass from windows for septic filtration, pool, and industrial applications	Works better than silica and has many advantages. It is lighter and less volume is needed. For pools it has higher clarity than silica, reduces backwash by 21%, and saves energy. For septic it does not clog as much as silica and lasts longer.

¹ Clay content increases slippage.

Strategy	Program	Results
Sand for beaches, golf courses, or playgrounds	Pulverize sand to a small enough grain to be used on a golf course or playground	Preliminary testing on beaches and golf courses has shown the potential of this use. Public perception and cost are issues. (see "Beached glass" in the February 2007 issue of <i>Resource Recycling</i>)
Industrial abrasives	Use recycled glass as an abrasive for cleaning, scouring, and blasting of various surface types.	A very successful use for recycled glass. Glass as an abrasive has proven advantages. ²
Landscaping, Tiles, and other uses		
Landscaping	Give away glass as a landscaping material for free at landfill.	Some communities reported liking the way it looks, while others did not. Some (fermented alcohol) odor issues if not washed.
Trail bed	Cover trails in glass sand.	Generally, hikers have not liked the look of the trails. Also, the glass must be repeatedly screened to remove all labels and contamination. Has worked well in national park that had trail drainage issues.
Compost	Mixed crushed glass with compost.	Mixed success. Reports that glass would make its way to the bottom of the pile and it was also "sparkly". Can improve the drainable quality in areas with poor soils; some areas already have "sparkly" soil.
Glass-epoxy flooring	Sell pulverized glass to flooring company for seamless flooring or counter tops.	Can be potentially very successful. Limiting factors include: 1) the distance to a manufacturing plant 2) consistent quality and color of collected materials. Life cycle in use as floor covering is strong.
Kiln process	Integrates recycled glass into conventional ceramic processes to make tiles and countertops	Quite expensive process for not a lot of glass tonnage but very nice high end artisan product. Some technologies being patented. ³

About the Authors: *Dr. Lisa A. Skumatz, an economist, is Principal of the research and consulting firm Skumatz Economic Research Associates, Inc. (SERA); Mr. Freeman is a project manager at SERA. SERA (www.serainc.com) specializes in economic and policy analysis of solid-waste management, especially program evaluation and cost-effectiveness, rate studies, incentives, integrated planning, and modeling/forecasting. SERA has worked with community, state, and federal solid waste clients across the US, Canada, and overseas, and has more than six dozen publications on solid-waste and resource economics. SERA maintains offices in Boulder, Colorado and Washington State. Contact information: 303/494-1178, Skumatz@serainc.com.*

² Additional information from interviews and research on this use follows. Interviews / research indicated glass is angular and can cut sub-coatings well. The "white metal" finish is reported to be superior to other abrasives. There may be potential for lower dust generation. The material may be reused, is less dense, and produces more volume per ton. Also recycled glass has none of the heavy metals of smelter-derived abrasives. Most currently use rejected and recycled window glass rather than curbside because screening and cleaning needed to avoid clogging sprayer lines. Economics need improvement in areas where alternatives are inexpensive / readily available.

³ This application shows considerable promise, and tonnage use may have greater potential than initially indicated.



COMMITTEE ON RULES

I Mina'trentai Dos na Liheslaturan Guåhan • The 32nd Guam Legislature

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Senator
Rory J. Respicio
CHAIRPERSON
MAJORITY LEADER

Senator
Thomas C. Ada
VICE CHAIRPERSON
ASSISTANT MAJORITY LEADER

Senator
Vicente (Ben) C. Pangelinan
Member

Speaker
Judith T.P. Won Pat, Ed.D.
Member

Senator
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Member

Vice-Speaker
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Legislative Secretary
Tina Rose Muña Barnes
Member

Senator
Frank Blas Aguon, Jr.
Member

Senator
Michael F.Q. San Nicolas
Member

Senator
V. Anthony Ada
Member
MINORITY LEADER

Senator
Aline Yamashita
Member

April 22, 2014

Memorandum

To: Rennae Meno
Clerk of the Legislature

From: Senator Rory J. Respicio
Majority Leader & Rules Chair

Subject: Fiscal Notes / Waivers

Hafa Adai!

Attached please find the fiscal notes and waivers for the bill numbers listed below.

Please note that the fiscal notes, or waivers, are issued on the bills as introduced.

FISCAL NOTES:

- ✓ Bill No. 259-32(COR)
- ✓ Bill No. 279-32(COR)
- ✓ Bill No. 287-32(COR)
- ✓ Bill No. 293-32(COR)
- ✓ Bill No. 294-32(COR)
- ✓ Bill No. 301-32(COR)
- ✓ Bill No. 303-32(COR)

WAIVER:

- ✓ Bill No. 233-32(COR)
- ✓ Bill No. 295-32(COR)
- ✓ Bill No. 297-32(COR)
- ✓ Bill No. 300-32(COR)

Please forward the same to MIS for posting on our website. Please contact our office should you have any questions regarding this matter.

Si Yu'os ma'åse'!

2014 APR 22 AM 9:42

**BUREAU OF BUDGET & MANAGEMENT RESEARCH**OFFICE OF THE GOVERNOR
Post Office Box 2950, Hagåtña Guam 96932EDDIE BAZA CALVO
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DEPUTY DIRECTOR

APR 21 2014

Senator Rory J. Respicio
Chairperson, Committee on Rules
I Mina'trentai Dos na Liheslaturan Guåhan
The 32nd Guam Legislature
155 Hesler Place
Hagåtña, Guam 96932

Hafa Adai Senator Respicio:

Transmitted herewith is Fiscal Note on the following Bill Nos.: 259-32(COR), 279-32(COR), 287-32(COR), 293-32(COR), 294-32(COR), 301-32(COR), 303-32(COR) and Fiscal Note Waiver on the following Bill Nos.: 233-32(COR), 295-32(COR), 297-32(COR), and 300-32(COR).

If you have any question(s), please do not hesitate to call the office at 475-9412/9106.

A handwritten signature in black ink, appearing to read "John A. Rios".

JOHN A. RIOS
Director

Enclosures
cc: Senator Vicente (ben) Pangelinan

**Bureau of Budget & Management Research
Fiscal Note of Bill No. 279-32**

Bill No. 279-32 is an Act to provide for a Guam Environmental Protection Agency-conducted Sustainable Materials Management Study and implementation of a one-year pilot project demonstrating the ability of Guam to develop a beneficial use for discarded glass bottles that would, among other things, divert glass from the Layon Municipal Sanitary Landfill and for other purposes.

Department/Agency Appropriation Information	
Dept./Agency Affected: Guam Environmental Protection Agency (GEPA)	Dept./Agency Head: Eric M. Palacios, Administrator
Department's General Fund (GF) appropriation(s) to date:	-
Department's Other Fund (Specify) appropriation(s) to date: Various	984,534
Total Department/Agency Appropriation(s) to date:	\$984,534

Fund Source Information of Proposed Appropriation			
	General Fund:	(Specify Special Fund):	Total:
FY 2013 Unreserved Fund Balance		\$0	\$0
FY 2014 Adopted Revenues	\$0	\$0	\$0
FY 2014 Appro. (P.L. 32-068)	\$0	\$0	\$0
Sub-total:	\$0	\$0	\$0
Less appropriation in Bill	\$0	\$0	\$0
Total:	\$0	\$0	\$0

Estimated Fiscal Impact of Bill						
	One Full Fiscal Year	For Remainder of FY 2014 (if applicable)	FY 2015	FY 2016	FY 2017	FY 2018
General Fund	\$0	\$0	\$0	\$0	\$0	\$0
(Specify Special Fund)	\$250,000	\$0	\$0	\$0	\$0	\$0
Total	\$250,000	\$0	\$0	\$0	\$0	\$0

- Does the bill contain "revenue generating" provisions? // Yes /x/ No
If Yes, see attachment
- Is amount appropriated adequate to fund the intent of the appropriation? // N/A /x/ Yes // No
If no, what is the additional amount required? \$ _____ // N/A
- Does the Bill establish a new program/agency? // Yes /x/ No
If yes, will the program duplicate existing programs/agencies? // N/A // Yes /x/ No
Is there a federal mandate to establish the program/agency? // Yes /x/ No
- Will the enactment of this Bill require new physical facilities? // Yes /x/ No
- Was Fiscal Note coordinated with the affected dept/agency? If no, indicate reason: AF /x/ Yes // No
/x/ Requested agency comments not received by due date // Other:

SP 4/16/14

Analyst: <u>Dina P. Rivera</u>	Date: <u>4/16/14</u>	Director: <u>John A. Rios</u>	Date: <u>APR 21 2014</u>
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Footnotes:
The Bill is proposing to appropriate the amount of \$250,000 from the Recycling Revolving Fund. The purpose is for GEPA to contract professional services to develop and implement a one-year pilot project. This will include a sustainable materials management study and the implementation of an operational based pilot project that demonstrates the ability of Guam to develop a beneficial use for discarded glass bottles and other glass products. Per financial statement provided by Dept. of Administration's, Division of Accounts, the fund balance for the Recycling Revolving fund is \$3,778,321 (period ending 9/30/13). Although, this fund balance indicates sufficient funds to cover the proposed appropriation, there was no additional information received by GEPA to determine if the \$250,000 appropriation is sufficient to carry out the intent of the Bill.

As of September 30, 2014	Air Pollution Control	Underground Storage Tank Management	Pesticide Management	Solid Waste Management Plan	Water Research and Development	Water Protection	Recycling Revenue
ASSETS	265	636	629	284	300	283	619
Cash and cash equivalents		285,479					3,009,301
Time certificates of deposit							
Investments							
Receivables, net:							
Taxes							
Other							
Due from other funds		118,479	263,094	28,202	4,996	18,318	771,580
Due from component units							
Total assets		403,957	263,094	28,202	4,996	18,318	3,780,881
LIABILITIES AND FUND BALANCES (DEFICIT)							
Liabilities:							
Accounts payable							
Accrued payroll and other	3,895		2,537		833		2,560
Due to component units							
Due to other funds	123,676						
Deferred revenue							
Deposits and other liabilities							
Total liabilities	127,572		2,537		833		2,560
Fund balance (deficit):							
Non-spendable							
Restricted							
Committed		403,957	202,356	28,110		17,045	3,761,339
Assigned	9,782		58,202	92	4,107	1,774	16,981
Unassigned	(137,354)				61		
Total fund balance (deficit)	(127,572)	403,957	260,557	28,202	4,163	18,318	3,778,321
Total liabilities and fund balances (deficit)		403,957	263,094	28,202	4,996	18,318	3,780,881
Revenues:							
Taxes:							
Property							
Hotel							
Liquid fuel							
Tobacco							
Alcoholic beverages							
Sales, licenses, fees and permits	78,226	88,154	135,130	21,500	94,450	65,069	2,655,055
Use of money and property		1,028					2,728
Federal contributions							

Indirect cost reimbursement							
Other							
Total revenues	78,226	89,183	135,130	21,500	94,450	65,069	2,657,783
Expenditures by Function:							
Current:							
General government							
Protection of life and property							
Public health							
Community services							
Recreation							
Individual and collective rights							274,275
Transportation							
Public education							
Environmental protection	146,475		86,090	3,607	66,437	60,074	104,752
Economic development							
Payments to:							
Chamorro Land Trust Commission							
Government of Guam Retirement Fund							
Guam Community College							
Guam Housing and Urban Renewal Authority							
Guam Memorial Hospital Authority							
Guam Preservation Trust							
Guam Regional Transit Authority							
Guam Visitors Bureau							
University of Guam							
Miscellaneous appropriations							
Total expenditures	146,475		86,090	3,607	66,437	60,074	379,027
Excess (deficiency) of revenues over (under) expenditures	(68,250)	89,183	49,040	17,893	28,013	4,995	2,278,756
Other financing sources (uses):							
Transfers in from other funds							
Transfers out to other funds							
Total other financing sources (uses), net							
Net change in fund balance (deficits)	(68,250)	89,183	49,040	17,893	28,013	4,995	2,278,756
Fund balance (deficit) at beginning of year	(59,322)	314,775	211,517	10,309	(23,850)	13,323	1,499,565
Fund balance (deficit) at end of year	(127,572)	403,957	260,557	28,202	4,163	18,318	2,778,321
Revenues:							
Taxes:							
Property							
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Federal contributions							
Indirect cost reimbursement							
Other							
Total revenues	78,226	89,183	135,130	21,500	94,450	65,069	2,657,783
Expenditures by Object:							
Salaries and wages - regular	74,230		45,272		32,815	34,060	43,081
Salaries and wages - overtime							
Salaries and wages - fringe benefits	32,709		14,913		10,487	11,293	21,155
Salaries and wages - fringe benefits health							
Salaries and wages - fringe benefits life							
Travel			14,677	3,607			33,683
Contractual services	28,158		5,000		11,332	8,089	274,775
Building rent							
Supplies	1,378		1,184		5,507	5,276	2,740
Worker's compensation							
Drug testing							
Equipment			5,044				3,594
Utilities - power	10,000				5,000		
Utilities - water							
Communications					1,296	1,357	
Capital outlays							
Payments to component units							
Miscellaneous							
Total expenditures	146,475		86,090	3,607	66,437	60,074	379,027
Excess (deficiency) of revenues over (under) expenditures	(68,250)	89,183	49,040	17,893	28,013	4,995	2,278,756
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COMMITTEE ON RULES

I Mina'trentai Dos na Liheslaturan Guåhan • The 32nd Guam Legislature
155 Hesler Place, Hagåtña, Guam 96910 • www.guamlegislature.com
E-mail: roryforguam@gmail.com • Tel: (671)472-7679 • Fax: (671)472-3547

Senator
Rory J. Respicio
CHAIRPERSON
MAJORITY LEADER

Senator
Thomas C. Ada
VICE CHAIRPERSON
ASSISTANT MAJORITY LEADER

Senator
Vicente (Ben) C. Pangelinan
Member

Speaker
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Legislative Secretary
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Frank Blas Aguon, Jr.
Member

Senator
Michael F.Q. San Nicolas
Member

Senator
V. Anthony Ada
Member
MINORITY LEADER

Senator
Aline Yamashita
Member

February 27, 2014

VIA E-MAIL
john.rios@bbmr.guam.gov

John A. Rios
Director
Bureau of Budget & Management Research
P.O. Box 2950
Hagåtña, Guam 96910

RE: Request for Fiscal Notes– Bill Nos. 279-32 (LS), 280-32(LS),
and 281-32(COR)

Hafa Adai Mr. Rios:

Transmitted herewith is a listing of *I Mina'trentai Dos na Liheslaturan Guåhan's* most recently introduced bills. Pursuant to 2 GCA §9103, I respectfully request the preparation of fiscal notes for the referenced bills.

Si Yu'os ma'åse' for your attention to this matter.

Very Truly Yours,

Senator Rory J. Respicio
Chairperson of the Committee on Rules

Attachment (1)

Cc: Clerk of the Legislature

Bill Nos.	Sponsors	Title
279-32 (LS)	T.R. Muna Barnes Aline A. Yamashita, Ph.D.	AN ACT TO PROVIDE FOR A GUAM ENVIRONMENTAL PROTECTION AGENCY- CONDUCTED SUSTAINABLE MATERIALS MANAGEMENT STUDY AND IMPLEMENTATION OF A ONE-YEAR PILOT PROJECT DEMONSTRATING THE ABILITY OF GUAM TO DEVELOP A BENEFICIAL USE FOR DISCARDED GLASS BOTTLES THAT WOULD, AMONG OTHER THINGS, DIVERT GLASS FROM THE LAYON MUNICIPAL SANITARY LANDFILL, AND FOR OTHER PURPOSES .
280-32 (LS)	V. Anthony Ada	AN ACT TO ADD A NEW CHAPTER 72 TO 9GCA RELATIVE TO BIAS-MOTIVATED CRIMES.
281-32 (COR)	Chris M. Dueñas	AN ACT TO ADD A NEW SECTION 22401.2 TO ARTICLE 4, CHAPTER 22, OF TITLE 5 OF THE GUAM CODE ANNOTATED RELATIVE TO AUTHORIZING THE GOVERNMENT OF GUAM, THROUGH THE OFFICE OF THE GOVERNOR, TO RETAIN PROFESSIONALS TO PURSUE CLAIMS OF THE GOVERNMENT OF GUAM AGAINST THIRD PARTIES ON A CONTINGENCY FEE BASIS, AUTHORIZATION TO PAY FOR SAME, AND TO APPROPRIATE TO THE OFFICE OF THE GOVERNOR \$350,000 TO PAY FOR THE COSTS AND EXPENSES (NOT FEES) ASSOCIATED WITH BRINING AN ACTION AGAINST THE FEDERAL GOVERNMENT FOR HARMS AT THE ORDOT DUMP.



COMMITTEE ON RULES

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155 Hesler Place, Hagåtña, Guam 96910 • www.guamlegislature.com
E-mail: roryforguam@gmail.com • Tel: (671)472-7679 • Fax: (671)472-3547

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Senator
Michael F.Q. San Nicolas
Member

Senator
V. Anthony Ada
Member
MINORITY LEADER

Senator
Aline Yamashita
Member

February 20, 2014

MEMORANDUM

To: Rennae Meno
Clerk of the Legislature

Attorney Therese M. Terlaje
Legislative Legal Counsel

From: Senator Rory J. Respicio
Chairperson of the Committee on Rules

Subject: Referral of Bill No. 279-32(LS)

As the Chairperson of the Committee on Rules, I am forwarding my referral of **Bill No. 279-32(LS)**.

Please ensure that the subject bill is referred, in my name, to the respective committee, as shown on the attachment. I also request that the same be forwarded to all members of *I Mina'trentai Dos na Liheslaturan Guåhan*.

Should you have any questions, please feel free to contact our office at 472-7679.

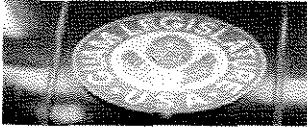
Si Yu'os Ma'åse!

Attachment

I Mina'Trentai Dos Na Liheslaturan Guahan

Bill Log Sheet

BILL NO.	SPONSOR	TITLE	DATE INTRODUCED	DATE REFERRED	CMTE REFERRED	PUBLIC HEARING DATE	DATE COMMITTEE REPORT FILED	FISCAL NOTES
279-32 (LS)	T.R. Muna Barnes Aline A. Yamashita, Ph.D.	AN ACT TO PROVIDE FOR A GUAM ENVIRONMENTAL PROTECTION AGENCY-CONDUCTED SUSTAINABLE MATERIALS MANAGEMENT STUDY AND IMPLEMENTATION OF A ONE-YEAR PILOT PROJECT DEMONSTRATING THE ABILITY OF GUAM TO DEVELOP A BENEFICIAL USE FOR DISCARDED GLASS BOTTLES THAT WOULD, AMONG OTHER THINGS, DIVERT GLASS FROM THE LAYON MUNICIPAL SANITARY LANDFILL, AND FOR OTHER PURPOSES	02/20/14 3:05 p.m.	02/20/14	Committee on Rules, Federal, Foreign, & Micronesian Affairs, Human & Natural Resources, and Election Reform			



First Notice of Public Hearing- Wednesday, April 2, 2014

Senator Rory J. Respicio <cor@guamlegislature.org>

Tue, Mar 25, 2014 at 5:31 PM

To: "Aline A. Yamashita, Ph.D" <aline4families@gmail.com>, "Christopher M. Duenas" <duenasenator@gmail.com>, "Dennis G. Rodriguez" <senatordrodriguez@gmail.com>, "Frank Blas Aguon, Jr." <aguon4guam@gmail.com>, "Judith T. Won Pat, Ed.D." <speaker@judiwonpat.com>, "Thomas C. Ada" <tom@senatorada.org>, Tina Rose Muna Bames <senator@tinamunabames.com>, "V. Anthony Ada" <senatortonyada@guamlegislature.org>, vicente 'ben' pangelinan <senbenp@guam.net>, "\"Benjamin JF Cruz\"" <senator@senatorbjcruz.com>, "\"Brant McCreadie\"" <brantforguam@gmail.com>, "\"Michael F. Q. San Nicolas\"" <senatorsannicolas@gmail.com>, "\"Michael T. Limtiaco\"" <mike@mikelimtiaco.com>, "\"Thomas (Tommy) Morrison\"" <tommy@senatormorrison.com>

Cc: Guam Legislature Clerks <clerks@guamlegislature.org>, Therese Terlaje <tterlaje@guam.net>, mis <mis@guamlegislature.org>, av@guamlegislature.org, Tom Unsiog <sgtarms@guamlegislature.org>, Joe San Agustin <joesa@guamlegislature.org>

Bcc: Bemadette Meno <guam.avon@gmail.com>, bill phillips <phillipsguam@gmail.com>, Elaine Tajalle <etajalle@guamlegislature.org>, Jennifer Louise Dulla <jennifer.lj.dulla@gmail.com>, mary louise wheeler <mlwheeler2000@yahoo.com>, "Mary S. Maravilla" <mary@guamlegislature.org>, "Rory J. Respicio" <roryforguam@gmail.com>, Tyrone Taitano <tjtaitano@cs.com>, "Vince P. Ariola" <vpariola1@gmail.com>

March 25, 2014

MEMORANDUM

To: All Members

From: Majority Leader Rory J. Respicio

Subject: First Notice of Public Hearing- Wednesday, April 2, 2014

Håfa Adai! Please be advised that the Committee on Rules; Federal, Foreign & Micronesian Affairs; Human & Natural Resources; and Election Reform will be conducting the following on **Wednesday, April 2, 2014 beginning at 2:00 P.M.**, the Legislature's Public Hearing Room:

2:00 P.M. Public Hearing


- **Bill No. 279-32 (LS)-** "An act to provide for Guam Environmental Protection Agency-Conducted Sustainable Materials Management Study and implementation of a one-year pilot projection demonstrating the ability of Guam to develop a beneficial use for discarded glass bottles that would among other things, divert glass from the Layon Municipal Sanitary

Landfill, and for their purposes," **Sponsors- Senator Tina Rose Muña Barnes and Senator Aline A. Yamashita, Ph.D.**

Written testimony for the hearings should be addressed to Senator Rory J. Respicio, Chairperson, Committee on Rules; Federal, Foreign & Micronesian Affairs, Human & Natural Resources; Election Reform, and may be submitted via email to cor@guamlegislature.org; fax to (671) 472-3547; or hand-delivery/mail to 155 Hesler Place, *Hågatña*, Guam 96910. The hearings will be broadcast live on MCV channel 117 and GTA channel 21. Should special assistance or accommodations be required, please contact Elaine Tajalle at my office at (671) 472-7679 or by e-mail at etajalle@guamlegislature.org. *Si Yu'os ma'åse'!*

cc: All Senators
Clerk of the Legislature
Legal Counsel
Sergeant-at-Arms/AV
MIS

—
Majority Leader Rory J. Respicio
Chairperson, Committee on Rules;
Federal, Foreign & Micronesian Affairs;
Human & Natural Resources; and Election Reform
I Mina Trentai Dos na Liheslaturan Guåhan
155 Hesler Place, Ste. 302
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Phone: (671) 472-7679
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 **2014.03.25_First Notice_PH 2014.04.02_All Members.pdf**
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SENATOR RORY J. RESPICIO

MAJORITY LEADER

CHAIRPERSON
COMMITTEE ON RULES; FEDERAL, FOREIGN & MICRONESIAN AFFAIRS;
HUMAN & NATURAL RESOURCES; AND ELECTION REFORM




I Mina'trentai Dos na Libeslaturan Guåhan
THIRTY-SECOND GUAM LEGISLATURE

March 25, 2014

MEMORANDUM

To: All Members

From: Majority Leader Rory J. Respicio 

Subject: First Notice of Public Hearing– Wednesday, April 2, 2014

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cc: All Senators
Clerk of the Legislature
Legal Counsel
Sergeant-at-Arms/AV
MIS



Rory Respicio <cor@guamlegislature.org>

First Notice of Public Hearing- Wednesday, April 2, 2014

Senator Rory J. Respicio <cor@guamlegislature.org>

Tue, Mar 25, 2014 at 5:31 PM

To: "hottips@kuam.com" <hottips@kuam.com>, "mvariety@pticom.com" <mvariety@pticom.com>, "news@guampdn.com" <news@guampdn.com>, "news@k57.com" <news@k57.com>

Bcc: phnotice <phnotice@guamlegislature.org>, Bernadette Meno <guam.avon@gmail.com>, bill phillips <phillipsguam@gmail.com>, Elaine Tajalle <etajalle@guamlegislature.org>, Jennifer Louise Dulla <jennifer.lj.dulla@gmail.com>, mary louise wheeler <mlwheeler2000@yahoo.com>, "Mary S. Maravilla" <mary@guamlegislature.org>, "Rory J. Respicio" <rolyforguam@gmail.com>, Tyrone Taitano <tjtaitano@cs.com>, "Vince P. Arriola" <vparriola1@gmail.com>

March 25, 2014

MEMORANDUM

To: All Media

From: Majority Leader Rory J. Respicio

Subject: First Notice of Public Hearing- Wednesday, April 2, 2014

Håfa Adai! Please be advised that the Committee on Rules; Federal, Foreign & Micronesia Affairs; Human & Natural Resources; and Election Reform will be conducting the following on **Wednesday, April 2, 2014 beginning at 2:00 P.M.**, the Legislature's Public Hearing Room:

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###

—
Majority Leader Rory J. Respicio
Chairperson, Committee on Rules;
Federal, Foreign & Micronesia Affairs;
Human & Natural Resources; and Election Reform
I Mina Trentai Dos na Liheslaturan Guáhan
155 Hesler Place, Ste. 302
Hagåtña, Guam 96910
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 **2014.03.25_First Notice_PH 2014.04.02_All Media.pdf**
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SENATOR RORY J. RESPICIO
MAJORITY LEADER

CHAIRPERSON
COMMITTEE ON RULES; FEDERAL, FOREIGN & MICRONESIAN AFFAIRS;
HUMAN & NATURAL RESOURCES; AND ELECTION REFORM



I Mina'trentai Dos na Libeslaturan Guåban
THIRTY-SECOND GUAM LEGISLATURE

March 25, 2014

MEMORANDUM

To: All Media
From: Majority Leader Rory J. Respicio
Subject: First Notice of Public Hearing– Wednesday, April 2, 2014

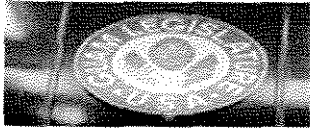
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###



Rory Respicio <cor@guamlegislature.org>

Public Hearing scheduled for Wednesday, April 2, 2014, 2:00 P.M.

Senator Rory J. Respicio <cor@guamlegislature.org>

Wed, Mar 26, 2014 at 2:28 PM

To: Tina Muna Barnes <senator@tinamunabarnes.com>

Cc: Stephanie Flores <sgflores@tinamunabarnes.com>, jean <jean@tinamunabarnes.com>, Bemice Rivera <bemice@tinamunabarnes.com>

Bcc: Bemadette Meno <guam.avon@gmail.com>, bill phillips <phillipsguam@gmail.com>, Elaine Tajalle <etajalle@guamlegislature.org>, Jennifer Louise Dulla <jennifer.lj.dulla@gmail.com>, mary louise wheeler <mlwheeler2000@yahoo.com>, "Mary S. Maravilla" <mary@guamlegislature.org>, "Rory J. Respicio" <roryforguam@gmail.com>, Tyrone Taitano <tjtaitano@cs.com>, "Vince P. Arriola" <vpamiola1@gmail.com>

March 26, 2014

VIA E-MAIL

senator@tinamunabarnes.com

Memorandum

To: Senator Tina Rose Muña Barnes

From: Senator Rory J. Respicio

Chairperson, Committee on Rules; Federal, Foreign & Micronesian Affairs; Human & Natural Resources; and Election Reform

Subject: Public Hearing scheduled for Wednesday, April 2, 2014, 2:00 P.M.

The Committee on Rules; Federal, Foreign & Micronesian Affairs, Human & Natural Resources; and Election Reform will conduct a public hearing at **2:00 P.M. on Wednesday, April 2, 2014** in the Public Hearing Room of *I Liheslaturan Guåhan*, and on the agenda is the following Bill of which you are the author:

Bill No. 279-32 (LS)- "An act to provide for Guam Environmental Protection Agency-Conducted

Sustainable Materials Management Study and implementation of a one-year pilot projection demonstrating the ability of Guam to develop a beneficial use for discarded glass bottles that would among other things, divert glass from the Layon Municipal Sanitary Landfill, and for their purposes.”

You may notify the appropriate government agencies, organizations and persons who may wish to provide written and/or oral testimony on this bill. Thank you for your kind attention.

Majority Leader Rory J. Respicio

Chairperson, Committee on Rules;
Federal, Foreign & Micronesia Affairs;
Human & Natural Resources; and Election Reform
I Mina Trentai Dos na Liheslaturan Guahan
155 Hesler Place, Ste. 302
Hagåtña, Guam 96910
Phone: (671) 472-7679
Fax: (671) 472-3547



PH 2014.03.26_RJR Ltr to TMB_2014.04.02.pdf
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SENATOR RORY J. RESPICIO
MAJORITY LEADER

CHAIRPERSON
COMMITTEE ON RULES; FEDERAL, FOREIGN & MICRONESIAN AFFAIRS;
HUMAN & NATURAL RESOURCES; AND ELECTION REFORM



I Mina'trentai Dos na Libeslaturan Guåhan
THIRTY-SECOND GUAM LEGISLATURE

March 26, 2014

VIA E-MAIL

senator@tinamunabarnes.com

Memorandum

To: Senator Tina Rose Muña Barnes

From: Senator Rory J. Respicio
Chairperson, Committee on Rules; Federal, Foreign & Micronesian Affairs;
Human & Natural Resources; and Election Reform

Subject: Public Hearing scheduled for Wednesday, April 2, 2014, 2:00 P.M.

The Committee on Rules; Federal, Foreign & Micronesian Affairs, Human & Natural Resources; and Election Reform will conduct a public hearing at 2:00 P.M. on **Wednesday, April 2, 2014** in the Public Hearing Room of *I Liheslaturan Guåhan*, and on the agenda is the following Bill of which you are the author:

Bill No. 279-32 (LS)- "An act to provide for Guam Environmental Protection Agency-Conducted Sustainable Materials Management Study and implementation of a one-year pilot projection demonstrating the ability of Guam to develop a beneficial use for discarded glass bottles that would among other things, divert glass from the Layon Municipal Sanitary Landfill, and for their purposes."

You may notify the appropriate government agencies, organizations and persons who may wish to provide written and/or oral testimony on this bill. Thank you for your kind attention.



Rory Respicio <cor@guamlegislature.org>

First Notice of Public Hearing- Rescheduled to Friday, April 4, 2014, 10:00 A.M.

Senator Rory J. Respicio <cor@guamlegislature.org> Thu, Mar 27, 2014 at 3:15 PM
To: "Aline A. Yamashita, Ph.D" <aline4families@gmail.com>, "Christopher M. Duenas" <duenasenator@gmail.com>, "Dennis G. Rodriguez" <senatorrodriguez@gmail.com>, "Frank Blas Aguon, Jr." <aguon4guam@gmail.com>, "Judith T. Won Pat, Ed.D." <speaker@judiwonpat.com>, "Thomas C. Ada" <tom@senatorada.org>, Tina Rose Muna Bames <senator@tinamunabames.com>, "V. Anthony Ada" <senatortonyada@guamlegislature.org>, vicente 'ben' pangelinan <senbenp@guam.net>, "\"Benjamin JF Cruz\"" <senator@senatorbjcruz.com>, "\"Brant McCreddie\"" <brantforguam@gmail.com>, "\"Michael F. Q. San Nicolas\"" <senatorsannicolas@gmail.com>, "\"Michael T. Limtiaco\"" <mike@mikelimtiaco.com>, "\"Thomas (Tommy) Morrison\"" <tommy@senatormorrison.com>
Cc: Guam Legislature Clerks <clerks@guamlegislature.org>, Therese Terlaje <tterlaje@guam.net>, mis <mis@guamlegislature.org>, av@guamlegislature.org, Tom Unsiog <sgtarms@guamlegislature.org>, Joe San Agustin <joesa@guamlegislature.org>
Bcc: Bemadette Meno <guam.avon@gmail.com>, bill phillips <phillipsguam@gmail.com>, Elaine Tajalle <etajalle@guamlegislature.org>, Jennifer Louise Dulla <jennifer.lj.dulla@gmail.com>, mary louise wheeler <mlwheeler2000@yahoo.com>, "Mary S.Maravilla" <mary@guamlegislature.org>, "Rory J. Respicio" <roryforguam@gmail.com>, Tyrone Taitano <tjtaitano@cs.com>, "Vince P. Amiola" <vpamiola1@gmail.com>

March 27, 2014

MEMORANDUM

To: All Members
From: Majority Leader Rory J. Respicio
Subject: First Notice of Public Hearing- Rescheduled to Friday, April 4, 2014, 10:00 A.M.

Håfa Adai! Please be advised that the Public Hearing by the Committee on Rules; Federal, Foreign & Micronesian Affairs; Human & Natural Resources; and Election Reform scheduled on Wednesday, April 2, 2014 at 2:00 P.M. has been rescheduled to **Friday, April 4, 2014, beginning 10:00 A.M.** in the Legislature's Public Hearing Room on the following:

-

10:00 A.M. Public Hearing

- **Bill No. 279-32 (LS)-** "An act to provide for Guam Environmental Protection Agency-

Conducted Sustainable Materials Management Study and implementation of a one-year pilot projection demonstrating the ability of Guam to develop a beneficial use for discarded glass bottles that would among other things, divert glass from the Layon Municipal Sanitary Landfill, and for their purposes," **Sponsors- Senator Tina Rose Muña Barnes and Senator Aline A. Yamashita, Ph.D.**

Written testimony for the hearings should be addressed to Senator Rory J. Respicio, Chairperson, Committee on Rules; Federal, Foreign & Micronesian Affairs, Human & Natural Resources; Election Reform, and may be submitted via email to cor@guamlegislature.org; fax to (671) 472-3547; or hand-delivery/mail to 155 Hesler Place, *Hågatña*, Guam 96910. The hearings will be broadcast live on MCV channel 117 and GTA channel 21. Should special assistance or accommodations be required, please contact Elaine Tajalle at my office at (671) 472-7679 or by e-mail at etajalle@guamlegislature.org. *Si Yu'os ma'åse'!*

cc: All Senators

Clerk of the Legislature

Legal Counsel

Sergeant-at-Arms/AV

MIS

—
Majority Leader Rory J. Respicio

Chairperson, Committee on Rules;
Federal, Foreign & Micronesian Affairs;
Human & Natural Resources; and Election Reform
I Mina Trentai Dos na Liheslaturan Guåhan
155 Hesler Place, Ste. 302
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Fax: (671) 472-3547



2014.03.27_First Notice_PH 2014.04.04_All Members.pdf

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SENATOR RORY J. RESPICIO
MAJORITY LEADER

CHAIRPERSON
COMMITTEE ON RULES; FEDERAL, FOREIGN & MICRONESIAN AFFAIRS;
HUMAN & NATURAL RESOURCES; AND ELECTION REFORM




I Mina'trentai Dos na Libeslaturan Guåhan
THIRTY-SECOND GUAM LEGISLATURE

March 27, 2014

MEMORANDUM

To: All Members

From: Majority Leader Rory J. Respicio 

Subject: First Notice of Public Hearing-- Rescheduled to Friday, April 4, 2014, 10:00 A.M.

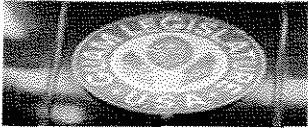
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cc: All Senators
Clerk of the Legislature
Legal Counsel
Sergeant-at-Arms/AV
MIS



Rory Respicio <cor@guamlegislature.org>

First Notice of Public Hearing- Rescheduled to Friday, April 4, 2014, 10:00 A.M.

Senator Rory J. Respicio <cor@guamlegislature.org>

Thu, Mar 27, 2014 at 3:15 PM

To: "hottips@kuam.com" <hottips@kuam.com>, "mvariety@pticom.com" <mvariety@pticom.com>, "news@guampdn.com" <news@guampdn.com>, "news@k57.com" <news@k57.com>

Bcc: phnotice <phnotice@guamlegislature.org>, Eric Palacios <eric.palacios@epa.guam.gov>, Bemadette Meno <guam.avon@gmail.com>, bill phillips <phillipsguam@gmail.com>, Elaine Tajalle <etajalle@guamlegislature.org>, Jennifer Louise Dulla <jennifer.lj.dulla@gmail.com>, mary louise wheeler <mlwheeler2000@yahoo.com>, "Mary S. Maravilla" <mary@guamlegislature.org>, "Rory J. Respicio" <roryforguam@gmail.com>, Tyrone Taitano <tjtaitano@cs.com>, "Vince P. Arriola" <vpaniola1@gmail.com>

March 27, 2014

MEMORANDUM

To: All Media

From: Majority Leader Rory J. Respicio

Subject: First Notice of Public Hearing- Rescheduled to Friday,
April 4, 2014, 10:00 A.M.

Håfa Adai! Please be advised that the Public Hearing by the Committee on Rules; Federal, Foreign & Micronesian Affairs; Human & Natural Resources; and Election Reform scheduled on Wednesday, April 2, 2014 at 2:00 P.M. has been rescheduled to **Friday, April 4, 2014, beginning 10:00 A.M.** in the Legislature's Public Hearing Room on the following:

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###

—
Majority Leader Rory J. Respicio
Chairperson, Committee on Rules;
Federal, Foreign & Micronesian Affairs;
Human & Natural Resources; and Election Reform
I Mina'Trentai Dos na Liheslaturan Guåhan
155 Hesler Place, Ste. 302
Hagåtña, Guam 96910
Phone: (671) 472-7679
Fax: (671) 472-3547

 **2014.03.27_First Notice_PH 2014.04.04_All Media.pdf**
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SENATOR RORY J. RESPICIO
MAJORITY LEADER

CHAIRPERSON
COMMITTEE ON RULES; FEDERAL, FOREIGN & MICRONESIAN AFFAIRS;
HUMAN & NATURAL RESOURCES; AND ELECTION REFORM




I Mina'trentai Dos na Libeslaturan Guåhan
THIRTY-SECOND GUAM LEGISLATURE

March 27, 2014

MEMORANDUM

To: All Media

From: Majority Leader Rory J. Respicio 

Subject: First Notice of Public Hearing– Rescheduled to Friday, April 4, 2014, 10:00 A.M.

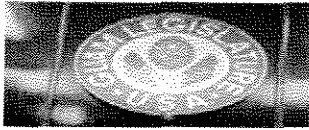
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###



Rory Respicio <cor@guamlegislature.org>

Public Hearing rescheduled for Friday, April 4, 2014, 10:00 A.M.

Senator Rory J. Respicio <cor@guamlegislature.org>

Fri, Mar 28, 2014 at 5:34 PM

To: Tina Muna Barnes <senator@tinamunabarnes.com>

Cc: Stephanie Flores <sgflores@tinamunabarnes.com>, jean <jean@tinamunabarnes.com>

Bcc: Bemadette Meno <guam.avon@gmail.com>, bill phillips <phillipsguam@gmail.com>, Elaine Tajalle

<etajalle@guamlegislature.org>, Jennifer Louise Dulla <jennifer.lj.dulla@gmail.com>, mary louise wheeler

<mlwheeler2000@yahoo.com>, "Mary S. Maravilla" <mary@guamlegislature.org>, "Rory J. Respicio"

<roryforguam@gmail.com>, Tyrone Taitano <tjtaitano@cs.com>, "Vince P. Ariola" <vpriola1@gmail.com>

March 28, 2014

VIA E-MAIL

senator@tinamunabarnes.com

Memorandum

To: Senator Tina Rose Muña Barnes

From: Senator Rory J. Respicio

Chairperson, Committee on Rules; Federal, Foreign & Micronesian Affairs; Human & Natural Resources; and Election Reform

Subject: Public Hearing rescheduled for Friday, April 4, 2014, 10:00 A.M.


The Committee on Rules; Federal, Foreign & Micronesian Affairs, Human & Natural Resources; and Election Reform has rescheduled the public hearing for 2:00 P.M. on Wednesday, April 2, 2014 to **10:00 A.M. on Friday, April 4, 2014** in the Public Hearing Room of *I Liheslaturan Guåhan*, and on the agenda is the following Bill of which you are the author:

Bill No. 279-32 (LS)- "An act to provide for Guam Environmental Protection Agency-Conducted Sustainable Materials Management Study and implementation of a one-year pilot projection

demonstrating the ability of Guam to develop a beneficial use for discarded glass bottles that would among other things, divert glass from the Layon Municipal Sanitary Landfill, and for their purposes.”

You may notify the appropriate government agencies, organizations and persons who may wish to provide written and/or oral testimony on this bill. Thank you for your kind attention.

—
Majority Leader Rory J. Respicio
Chairperson, Committee on Rules;
Federal, Foreign & Micronesian Affairs;
Human & Natural Resources; and Election Reform
I Mina Trentai Dos na Liheslaturan Guåhan
155 Hesler Place, Ste. 302
Hagåtña, Guam 96910
Phone: (671) 472-7679
Fax: (671) 472-3547

 **PH 2014.03.28_RJR Ltr to TMB_2014.04.04.pdf**
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SENATOR RORY J. RESPICIO
MAJORITY LEADER

CHAIRPERSON
COMMITTEE ON RULES; FEDERAL, FOREIGN & MICRONESIAN AFFAIRS;
HUMAN & NATURAL RESOURCES; AND ELECTION REFORM



I Mina'trentai Dos na Libeslaturan Guåhan
THIRTY-SECOND GUAM LEGISLATURE

March 28, 2014

VIA E-MAIL

senator@tinamunabarnes.com

Memorandum

To: Senator Tina Rose Muña Barnes

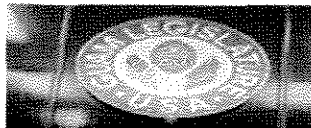
From: Senator Rory J. Respicio
Chairperson, Committee on Rules; Federal, Foreign & Micronesian Affairs;
Human & Natural Resources; and Election Reform

Subject: Public Hearing rescheduled for Friday, April 4, 2014, 10:00 A.M.

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Rory Respicio <cor@guamlegislature.org>

48 Hour Notice of Public Hearing-Friday, April 4, 2014, 10:00 A.M.

Senator Rory J. Respicio <cor@guamlegislature.org>

Tue, Apr 1, 2014 at 3:26 PM

To: "Aline A. Yamashita, Ph.D" <aline4families@gmail.com>, "Christopher M. Duenas" <duenasenator@gmail.com>, "Dennis G. Rodriguez" <senatordrodriguez@gmail.com>, "Frank Blas Aguon, Jr." <aguon4guam@gmail.com>, "Judith T. Won Pat, Ed.D." <speaker@judiwonpat.com>, "Thomas C. Ada" <tom@senatorada.org>, Tina Rose Muna Barnes <senator@tinamunabarnes.com>, "V. Anthony Ada" <senatoronyada@guamlegislature.org>, vicente 'ben' pangelinan <senbenp@guam.net>, "\"Benjamin JF Cruz\"" <senator@senatorbjcruz.com>, "\"Brant McCreddie\"" <brantforguam@gmail.com>, "\"Michael F. Q. San Nicolas\"" <senatorsannicolas@gmail.com>, "\"Michael T. Limtiaco\"" <mike@mikelimtiaco.com>, "\"Thomas (Tommy) Morrison\"" <tommy@senatormorrison.com>

Cc: Guam Legislature Clerks <clerks@guamlegislature.org>, Therese Terlaje <tterlaje@guam.net>, mis <mis@guamlegislature.org>, av@guamlegislature.org, Tom Unsiog <sgtarms@guamlegislature.org>, Joe San Agustin <joesa@guamlegislature.org>

Bcc: Bernadette Meno <guam.avon@gmail.com>, bill phillips <phillipsguam@gmail.com>, Elaine Tajalle <etajalle@guamlegislature.org>, Jennifer Louise Dulla <jennifer.lj.dulla@gmail.com>, mary louise wheeler <mlwheeler2000@yahoo.com>, Mary Maravilla <mary@guamlegislature.org>, "Rory J. Respicio" <roryforguam@gmail.com>, Tyrone Taitano <tjtaitano@cs.com>, "Vince P. Ariola" <vpriola1@gmail.com>

April 1, 2014

MEMORANDUM

To: All Members

From: Majority Leader Rory J. Respicio

Subject: 48 Hour Notice of Public Hearing-Friday, April 4, 2014, 10:00 A.M.

Håfa Adai! Please be advised that the Committee on Rules; Federal, Foreign & Micronesia Affairs; Human & Natural Resources; and Election Reform will be conducting the following on **Friday, April 4, 2014, beginning 10:00 A.M.** in the Legislature's Public Hearing Room on the following:

10:00 A.M. Public Hearing

- **Bill No. 279-32 (LS)**- "An act to provide for Guam Environmental Protection Agency-Conducted Sustainable Materials Management Study and implementation of a one-year pilot projection demonstrating the ability of Guam to develop a beneficial use for discarded

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Written testimony for the hearings should be addressed to Senator Rory J. Respicio, Chairperson, Committee on Rules; Federal, Foreign & Micronesian Affairs, Human & Natural Resources; Election Reform, and may be submitted via email to cor@guamlegislature.org; fax to (671) 472-3547; or hand-delivery/mail to 155 Hesler Place, *Hågatña*, Guam 96910. The hearings will be broadcast live on MCV channel 117 and GTA channel 21. Should special assistance or accommodations be required, please contact Elaine Tajalle at my office at (671) 472-7679 or by e-mail at etajalle@guamlegislature.org. *Si Yu'os ma'åse'!*

cc: All Senators
Clerk of the Legislature
Legal Counsel
Sergeant-at-Arms/AV
MIS

—
Majority Leader Rory J. Respicio
Chairperson, Committee on Rules;
Federal, Foreign & Micronesian Affairs;
Human & Natural Resources; and Election Reform
I Mina Trentai Dos na Liheslaturan Guåhan
155 Hesler Place, Ste. 302
Hagåtña, Guam 96910
Phone: (671) 472-7679
Fax: (671) 472-3547

 **2014.04.01_48 Hour Notice_PH 2014.04.04_All Members.pdf**
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SENATOR RORY J. RESPICIO
MAJORITY LEADER

CHAIRPERSON
COMMITTEE ON RULES; FEDERAL, FOREIGN & MICRONESIAN AFFAIRS;
HUMAN & NATURAL RESOURCES; AND ELECTION REFORM




I Mina'trentai Dos na Liheslaturan Guåban
THIRTY-SECOND GUAM LEGISLATURE

April 1, 2014

MEMORANDUM

To: All Members

From: Majority Leader Rory J. Respicio 

Subject: 48 Hour Notice of Public Hearing--Friday, April 4, 2014, 10:00 A.M.

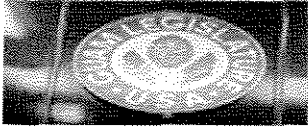
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cc: All Senators
Clerk of the Legislature
Legal Counsel
Sergeant-at-Arms/AV
MIS



Rory Respicio <cor@guamlegislature.org>

48 Hour Notice of Public Hearing-Friday, April 4, 2014, 10:00 A.M.

Senator Rory J. Respicio <cor@guamlegislature.org>

Tue, Apr 1, 2014 at 3:27 PM

To: "hottips@kuam.com" <hottips@kuam.com>, "mvariety@pticom.com" <mvariety@pticom.com>, "news@guampdn.com" <news@guampdn.com>, "news@k57.com" <news@k57.com>

Bcc: phnotice <phnotice@guamlegislature.org>, Bemadette Meno <guam.avon@gmail.com>, bill phillips <phillipsguam@gmail.com>, Elaine Tajalle <etajalle@guamlegislature.org>, Jennifer Louise Dulla <jennifer.lj.dulla@gmail.com>, mary louise wheeler <mlwheeler2000@yahoo.com>, Mary Maravilla <mary@guamlegislature.org>, "Rory J. Respicio" <rolyforguam@gmail.com>, Tyrone Taitano <tjtaitano@cs.com>, "Vince P. Amiola" <vparriola1@gmail.com>

April 1, 2014

MEMORANDUM

To: All Media

From: Majority Leader Rory J. Respicio

Subject: 48 Hour Notice of Public Hearing-Friday, April 4, 2014, 10:00 A.M.

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###

—
Majority Leader Rory J. Respicio
Chairperson, Committee on Rules;
Federal, Foreign & Micronesian Affairs;
Human & Natural Resources; and Election Reform
I Mina'Trentai Dos na Liheslaturan Guåhan
155 Hesler Place, Ste. 302
Hagåtña, Guam 96910
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SENATOR RORY J. RESPICIO
MAJORITY LEADER

CHAIRPERSON
COMMITTEE ON RULES; FEDERAL, FOREIGN & MICRONESIAN AFFAIRS;
HUMAN & NATURAL RESOURCES; AND ELECTION REFORM




I Mina'trentai Dos na Libeslaturan Guåban
THIRTY-SECOND GUAM LEGISLATURE

April 1, 2014

MEMORANDUM

To: All Media

From: Majority Leader Rory J. Respicio 

Subject: 48 Hour Notice of Public Hearing—Friday, April 4, 2014, 10:00 A.M.

Håfa Adai! Please be advised that the Committee on Rules; Federal, Foreign & Micronesia Affairs; Human & Natural Resources; and Election Reform will be conducting the following on **Friday, April 4, 2014, beginning 10:00 A.M.** in the Legislature's Public Hearing Room on the following:

10:00 A.M. Public Hearing

- **Bill No. 279-32 (LS)**- "An act to provide for Guam Environmental Protection Agency-Conducted Sustainable Materials Management Study and implementation of a one-year pilot projection demonstrating the ability of Guam to develop a beneficial use for discarded glass bottles that would among other things, divert glass from the Layon Municipal Sanitary Landfill, and for their purposes," **Sponsors- Senator Tina Rose Muña Barnes and Senator Aline A. Yamashita, Ph.D.**

Written testimony for the hearings should be addressed to Senator Rory J. Respicio, Chairperson, Committee on Rules; Federal, Foreign & Micronesia Affairs, Human & Natural Resources; Election Reform, and may be submitted via email to cor@guamlegislature.org; fax to (671) 472-3547; or hand-delivery/mail to 155 Hesler Place, *Hågatña*, Guam 96910. The hearings will be broadcast live on MCV channel 117 and GTA channel 21. Should special assistance or accommodations be required, please contact Elaine Tajalle at my office at (671) 472-7679 or by e-mail at etajalle@guamlegislature.org. *Si Yu'os ma'åse'!*

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SENATOR RORY J. RESPICIO

MAJORITY LEADER

CHAIRPERSON
COMMITTEE ON RULES; FEDERAL, FOREIGN & MICRONESIAN AFFAIRS;
HUMAN & NATURAL RESOURCES; AND ELECTION REFORM



I Mina'trentai Dos na Libeslaturan Guåhan
THIRTY-SECOND GUAM LEGISLATURE

PUBLIC HEARING

Friday, April 4, 2014 • 10:00 AM

Legislature's Public Hearing Room • Hagåtña, Guam

AGENDA

- I. Call to Order
- II. Announcements
- III. Items for Public Consideration
 1. **Bill No. 279-32 (LS)**- "An act to provide for Guam Environmental Protection Agency-Conducted Sustainable Materials Management Study and implementation of a one-year pilot projection demonstrating the ability of Guam to develop a beneficial use for discarded glass bottles that would among other things, divert glass from the Layon Municipal Sanitary Landfill, and for their purposes," **Sponsors- Senator Tina Rose Muña Barnes and Senator Aline A. Yamashita, Ph.D.**
- IV. Closing Remarks
- V. Adjournment

For copies of the above mentioned bills, please visit the Guam Legislature's website at www.guamlegislature.com. Testimony should be addressed to Senator Rory J. Respicio, Chairperson, and may be submitted via hand-delivery to our office or our mailbox at the Main Legislature Building at 155 Hesler Place, Hagatna, Guam 96910, via e-mail to cor@guamlegislature.com, or via facsimile to (671) 472-3547. Individuals requiring special accommodations, auxiliary aids, or services shall contact and submit their request to Elaine Tajalle at our office. For more information, please call 472-7679. We look forward to your attendance and participation. *Si Yu'os ma'åse'!*



Jennifer Louise Dulla <jenniferdulla@gmail.com>

Bill 279-32 - Requested Proposed Budget

Conchita San Nicolas Taitano <conchita.taitano@epa.guam.gov>

Thu, May 1, 2014 at 7:18 PM

To: "Rory J. Respicio" <roryforguam@gmail.com>, jennifer@roryforguam.com, phillips-guam@excite.com, jean@tinamunabarnes.com

Cc: Eric Palacios <eric.palacios@epa.guam.gov>, Yvette Cruz <yvette.cruz@epa.guam.gov>, Roland Gutierrez - Solid Waste Program Supervisor <roland.gutierrez@epa.guam.gov>, Sabrina Sablan <sabrina.cruzsablan@epa.guam.gov>

Håfa Ådai!

Per the request from the Office of Senator Tina Muña-Barnes this afternoon, the proposed budget, as it relates to Bill 279-32, *An Act to Provide for a Guam Environmental Protection Agency-Conducted Sustainable Materials Management Study and implementation of a One-Year Pilot Project Demonstrating the Ability of Guam to Develop a Beneficial Use for Discarded Glass Bottles That Would Among Other Things, Divert Glass From the Layon Municipal Sanitary Landfill, and for Other Purposes* is provided below.

The proposed distribution of the funds allocated in Bill 279-32 is as follows:

- 1.) Issue a contract for professional services to conduct a solid waste assessment to establish a baseline of data on *discarded glass* by collecting background information that includes, at a minimum, but is not limited to, the types and quantity, the current purchasing trends, waste generation, and management practices and to identify potential waste reduction options for further evaluation. **Proposed Budget: 80K USD.**
- 2.) Issue a contract for professional services to conduct a pilot project that would encompass activities, such as, at a minimum, but not limited to, the collection, interim storage, processing, brokering, transportation, and beneficial use of *discarded glass*. **Proposed Budget: 170K USD**

In closing, as stated in Bill 279-32, unspent funds, if any, would revert back to the Recycling Revolving Fund (RRF). Should you have any questions, please feel free to contact me.

Kindest Regards,

CONCHITA SAN NICOLAS TAITANO, MSEM

Division Administrator, Air and Land Division - Guam EPA

Email: conchita.taitano@epa.guam.gov

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VICE CHAIRPERSON
ASSISTANT MAJORITY LEADER

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MINORITY LEADER

Senator
Aline Yamashita
Member

April 22, 2014

Memorandum

To: **Rennae Meno**
Clerk of the Legislature

From: **Senator Rory J. Respicio**
Majority Leader & Rules Chair

Subject: **Fiscal Notes / Waivers**

Hafa Adai!

Attached please find the fiscal notes and waivers for the bill numbers listed below.

Please note that the fiscal notes, or waivers, are issued on the bills as introduced.

FISCAL NOTES:

- ✓ Bill No.259-32(COR)
- ✓ Bill No. 279-32(COR)
- ✓ Bill No. 287-32(COR)
- ✓ Bill No. 293-32(COR)
- ✓ Bill No. 294-32(COR)
- ✓ Bill No. 301-32(COR)
- ✓ Bill No. 303-32(COR)

WAIVER:

- ✓ Bill No. 233-32(COR)
- ✓ Bill No. 295-32(COR)
- ✓ Bill No. 297-32(COR)
- ✓ Bill No. 300-32(COR)

Please forward the same to MIS for posting on our website. Please contact our office should you have any questions regarding this matter.

Si Yu'os ma'åse'!

2014 APR 22 M 9:42

**BUREAU OF BUDGET & MANAGEMENT RESEARCH**OFFICE OF THE GOVERNOR
Post Office Box 2950, Hagåtña Guam 96932EDDIE BAZA CALVO
GOVERNORJOHN A. RIOS
DIRECTORRAY TENORIO
LIEUTENANT GOVERNORJOSE S. CALVO
DEPUTY DIRECTOR

APR 21 2014

Senator Rory J. Respicio
Chairperson, Committee on Rules
I Mina'trentai Dos na Liheslaturan Guåhan
The 32nd Guam Legislature
155 Hesler Place
Hagåtña, Guam 96932

Hafa Adai Senator Respicio:

Transmitted herewith is Fiscal Note on the following Bill Nos.: 259-32(COR), 279-32(COR), 287-32(COR), 293-32(COR), 294-32(COR), 301-32(COR), 303-32(COR) and Fiscal Note Waiver on the following Bill Nos.: 233-32(COR), 295-32(COR), 297-32(COR), and 300-32(COR).

If you have any question(s), please do not hesitate to call the office at 475-9412/9106.

A handwritten signature in black ink, appearing to read "J.A. Rios".

JOHN A. RIOS
Director

Enclosures
cc: Senator Vicente (ben) Pangelinan

Bureau of Budget & Management Research
Fiscal Note of Bill No. 279-32

Bill No. 279-32 is an Act to provide for a Guam Environmental Protection Agency-conducted Sustainable Materials Management Study and implementation of a one-year pilot project demonstrating the ability of Guam to develop a beneficial use for discarded glass bottles that would, among other things, divert glass from the Layon Municipal Sanitary Landfill and for other purposes.

Department/Agency Appropriation Information	
Dept./Agency Affected: Guam Environmental Protection Agency (GEPA)	Dept./Agency Head: Eric M. Palacios, Administrator
Department's General Fund (GF) appropriation(s) to date:	-
Department's Other Fund (Specify) appropriation(s) to date: Various	984,534
Total Department/Agency Appropriation(s) to date:	\$984,534

Fund Source Information of Proposed Appropriation			
	General Fund:	(Specify Special Fund):	Total:
FY 2013 Unreserved Fund Balance		\$0	\$0
FY 2014 Adopted Revenues	\$0	\$0	\$0
FY 2014 Appro. (P.L. 32-068)	\$0	\$0	\$0
Sub-total:	\$0	\$0	\$0
Less appropriation in Bill	\$0	\$0	\$0
Total:	\$0	\$0	\$0

Estimated Fiscal Impact of Bill						
	One Full Fiscal Year	For Remainder of FY 2014 (if applicable)	FY 2015	FY 2016	FY 2017	FY 2018
General Fund	\$0	\$0	\$0	\$0	\$0	\$0
(Specify Special Fund)	\$250,000	\$0	\$0	\$0	\$0	\$0
Total	\$250,000	\$0	\$0	\$0	\$0	\$0

- Does the bill contain "revenue generating" provisions? // Yes // No
- Is amount appropriated adequate to fund the intent of the appropriation? // N/A // Yes // No
- Does the Bill establish a new program/agency? // Yes // No
- Will the enactment of this Bill require new physical facilities? // Yes // No
- Was Fiscal Note coordinated with the affected dept/agency? If no, indicate reason: // Yes // No

Analyst: Dina P. Rivera Date: 4-16-14 Director: John A. Rios, Director Date: APR 21 2014

Footnotes:
The Bill is proposing to appropriate the amount of \$250,000 from the Recycling Revolving Fund. The purpose is for GEPA to contract professional services to develop and implement a one-year pilot project. This will include a sustainable materials management study and the implementation of an operational based pilot project that demonstrates the ability of Guam to develop a beneficial use for discarded glass bottles and other glass products. Per financial statement provided by Dept. of Administration's, Division of Accounts, the fund balance for the Recycling Revolving fund is \$3,778,321 (period ending 9/30/13). Although, this fund balance indicates sufficient funds to cover the proposed appropriation, there was no additional information received by GEPA to determine if the \$250,000 appropriation is sufficient to carry out the intent of the Bill.

As of September 30, 2014	Air Pollution Control 265	Underground Storage Tank Management 636	Pesticide Management 629	Solid Waste Management Plan 284	Water Research and Development 300	Water Protection 283	Recycling Revolving 619
ASSETS							
Cash and cash equivalents		285,479					3,009,301
Time certificates of deposit							
Investments							
Receivables, net:							
Taxes							
Other							
Due from other funds		118,479	263,094	28,202	4,996	18,318	771,580
Due from component units							
Total assets		403,957	263,094	28,202	4,996	18,318	3,780,881
LIABILITIES AND FUND BALANCES (DEFICIT)							
Liabilities:							
Accounts payable							
Accrued payroll and other	3,895		2,537		833		2,560
Due to component units							
Due to other funds	123,676						
Deferred revenue							
Deposits and other liabilities							
Total liabilities	127,572		2,537		833		2,560
Fund balance (deficit):							
Non-spendable							
Restricted							
Committed		403,957	202,356	28,110		17,045	3,761,339
Assigned	9,782		58,202	92	4,107	1,274	16,981
Unassigned	(137,354)				61		
Total fund balance (deficit)	(127,572)	403,957	260,557	28,202	4,163	18,318	3,778,321
Total liabilities and fund balances (deficit)							
		403,957	263,094	28,202	4,996	18,318	3,780,881
Revenues:							
Taxes:							
Property							
Hotel							
Liquid fuel							
Tobacco							
Alcoholic beverages							
Sales, licenses, fees and permits	78,226	88,154	135,130	21,500	94,450	65,069	2,655,055
Use of money and property		1,028					2,728
Federal contributions							

Indirect cost reimbursement							
Other							
Total revenues	78,226	89,183	135,130	21,500	94,450	65,069	2,657,783
Expenditures by Function:							
Current:							
General government							
Protection of life and property							
Public health							
Community services							
Recreation							
Individual and collective rights							274,275
Transportation							
Public education							
Environmental protection	146,475		86,090	3,607	66,437	60,074	104,752
Economic development							
Payments to:							
Chamorro Land Trust Commission							
Government of Guam Retirement Fund							
Guam Community College							
Guam Housing and Urban Renewal Authority							
Guam Memorial Hospital Authority							
Guam Preservation Trust							
Guam Regional Transit Authority							
Guam Visitors Bureau							
University of Guam							
Miscellaneous appropriations							
Total expenditures	146,475		86,090	3,607	66,437	60,074	379,027
Excess (deficiency) of revenues over (under) expenditures	(68,250)	89,183	49,040	17,893	28,013	4,995	2,278,756
Other financing sources (uses):							
Transfers in from other funds							
Transfers out to other funds							
Total other financing sources (uses), net							
Net change in fund balance (deficits)	(68,250)	89,183	49,040	17,893	28,013	4,995	2,278,756
Fund balance (deficit) at beginning of year	(59,322)	314,775	211,517	10,309	(23,850)	13,323	1,499,565
Fund balance (deficit) at end of year	(127,572)	403,957	260,557	28,202	4,163	18,318	2,278,321
Revenues:							
Taxes:							
Property							
Hotel							
Liquid fuel							
Tobacco							

Alcoholic beverages							
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Use of money and property		1,028					2,728
Federal contributions							
Indirect cost reimbursement							
Other							
Total revenues	78,226	89,183	135,130	21,500	94,450	65,069	2,657,783
Expenditures by Object:							
Salaries and wages - regular	74,230		45,272		32,815	34,060	43,081
Salaries and wages - overtime							
Salaries and wages - fringe benefits	32,709		14,913		10,487	11,293	21,155
Salaries and wages - fringe benefits health							
Salaries and wages - fringe benefits life							
Travel			14,677	3,607			33,683
Contractual services	28,158		5,000		11,332	8,089	274,775
Building rent							
Supplies	1,378		1,184		5,507	5,276	2,740
Worker's compensation							
Drug testing							
Equipment			5,044				3,594
Utilities - power	10,000				5,000		
Utilities - water							
Communications					1,296	1,357	
Capital outlays							
Payments to component units							
Miscellaneous							
Total expenditures	146,475		86,090	3,607	66,437	60,074	379,027
Excess (deficiency) of revenues over (under) expenditures	(68,250)	89,183	49,040	17,893	28,013	4,995	2,278,756
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MINORITY LEADER

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February 27, 2014

VIA E-MAIL

john.rios@bbmr.guam.gov

John A. Rios
Director
Bureau of Budget & Management Research
P.O. Box 2950
Hagåtña, Guam 96910

**RE: Request for Fiscal Notes– Bill Nos. 279-32 (LS), 280-32(LS),
and 281-32(COR)**

Hafa Adai Mr. Rios:

Transmitted herewith is a listing of *I Mina'trentai Dos na Liheslaturan Guåhan's* most recently introduced bills. Pursuant to 2 GCA §9103, I respectfully request the preparation of fiscal notes for the referenced bills.

Si Yu'os ma'åse' for your attention to this matter.

Very Truly Yours,

Senator Rory J. Respicio
Chairperson of the Committee on Rules

Attachment (1)

Cc: Clerk of the Legislature

Bill Nos.	Sponsors	Title
279-32 (LS)	T.R. Muna Barnes Aline A. Yamashita, Ph.D.	AN ACT TO PROVIDE FOR A GUAM ENVIRONMENTAL PROTECTION AGENCY- CONDUCTED SUSTAINABLE MATERIALS MANAGEMENT STUDY AND IMPLEMENTATION OF A ONE-YEAR PILOT PROJECT DEMONSTRATING THE ABILITY OF GUAM TO DEVELOP A BENEFICIAL USE FOR DISCARDED GLASS BOTTLES THAT WOULD, AMONG OTHER THINGS, DIVERT GLASS FROM THE LAYON MUNICIPAL SANITARY LANDFILL, AND FOR OTHER PURPOSES .
280-32 (LS)	V. Anthony Ada	AN ACT TO ADD A NEW CHAPTER 72 TO 9GCA RELATIVE TO BIAS-MOTIVATED CRIMES.
281-32 (COR)	Chris M. Dueñas	AN ACT TO ADD A NEW SECTION 22401.2 TO ARTICLE 4, CHAPTER 22, OF TITLE 5 OF THE GUAM CODE ANNOTATED RELATIVE TO AUTHORIZING THE GOVERNMENT OF GUAM, THROUGH THE OFFICE OF THE GOVERNOR, TO RETAIN PROFESSIONALS TO PURSUE CLAIMS OF THE GOVERNMENT OF GUAM AGAINST THIRD PARTIES ON A CONTINGENCY FEE BASIS, AUTHORIZATION TO PAY FOR SAME, AND TO APPROPRIATE TO THE OFFICE OF THE GOVERNOR \$350,000 TO PAY FOR THE COSTS AND EXPENSES (NOT FEES) ASSOCIATED WITH BRINING AN ACTION AGAINST THE FEDERAL GOVERNMENT FOR HARMS AT THE ORDOT DUMP.



COMMITTEE ON RULES

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Senator
Rory J. Respicio
CHAIRPERSON
MAJORITY LEADER

Senator
Thomas C. Ada
VICE CHAIRPERSON
ASSISTANT MAJORITY LEADER

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Member

Legislative Secretary
Tina Rose Muña Barnes
Member

Senator
Frank Blas Aguon, Jr.
Member

Senator
Michael F.Q. San Nicolas
Member

Senator
V. Anthony Ada
Member
MINORITY LEADER


Senator
Aline Yamashita
Member

February 20, 2014

MEMORANDUM

To: Rennae Meno
Clerk of the Legislature

Attorney Therese M. Terlaje
Legislative Legal Counsel

From: Senator Rory J. Respicio 
Chairperson of the Committee on Rules

Subject: Referral of Bill No. 279-32(LS)

As the Chairperson of the Committee on Rules, I am forwarding my referral of **Bill No. 279-32(LS)**.

Please ensure that the subject bill is referred, in my name, to the respective committee, as shown on the attachment. I also request that the same be forwarded to all members of *I Mina'trentai Dos na Liheslaturan Guåhan*.

Should you have any questions, please feel free to contact our office at 472-7679.

Si Yu'os Ma'åse!

Attachment

**I MINATRENTAI DOS NA LIHESLATURAN GUÅHAN
2014 (SECOND) Regular Session**

Bill No. 279-32(WS)

Introduced by:

T. R. Muña Barnes
Aline A. Yamashita, Ph.D.

AN ACT TO PROVIDE FOR A GUAM ENVIRONMENTAL PROTECTION AGENCY-CONDUCTED SUSTAINABLE MATERIALS MANAGEMENT STUDY AND IMPLEMENTATION OF A ONE-YEAR PILOT PROJECT DEMONSTRATING THE ABILITY OF GUAM TO DEVELOP A BENEFICIAL USE FOR DISCARDED GLASS BOTTLES THAT WOULD, AMONG OTHER THINGS, DIVERT GLASS FROM THE LAYON MUNICIPAL SANITARY LANDFILL, AND FOR OTHER PURPOSES

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MRB

1 **BE IT ENACTED BY THE PEOPLE OF GUAM:**
2 **Section 1. Legislative Findings and Intent.** *I Liheslaturan Guåhan*
3 recognizes and acknowledges the clear connection between waste reduction,
4 recycling, resource recovery, and beneficial reuse issues and the need to change
5 unsustainable consumption and production patterns while protecting and managing
6 the natural resource base of economic and social development. *I Liheslaturan*
7 *Guåhan* finds that based on recent estimates, the expected life of the landfill will
8 be 35-40 years. The life span of the landfill can be extended only with effective
9 implementation of waste reduction, recycling, resource recovery and beneficial
10 reuse programs. *I Liheslaturan Guåhan* further finds that Guam's limited and
11 valuable land resource and fragile environment must be preserved and protected.

12 The protection of the environment, both terrestrial and aquatic, stimulation of the
13 economy, and distribution of equity can be achieved by promoting waste reduction,
14 recycling, reuse, resource recovery, and beneficial use through Zero Waste
15 practices in the public and private sectors. I Liheslaturan Guåhan finds that it has
16 embraced as a public policy Zero Waste through the adoption of Legislative
17 Resolution No. 189-32 (COR).

18 *I Liheslaturan Guåhan* further finds that the Guam Solid Management
19 Authority has successfully developed and implemented an island-wide system that
20 is engaged in capturing recyclable products that have been discarded to include
21 paper, cardboard, and aluminum cans. Despite the broad array of options involved
22 in the recycling of glass products, glass is not yet being recycled on Guam due to,
23 among other factors, the lack of economies of scale. It is estimated that Guam will
24 dispose of approximately One Hundred and Twenty Thousand pounds (120,000
25 lbs.) of glass bottles each year at the Layon Municipal Sanitary Landfill.
26 Therefore, an effort should be made to foster the recycling and beneficial reuse of
27 glass and a feasibility study and operationally based pilot project toward that end is
28 warranted and necessary.

29 **Section 2.** The Guam Environmental Protection Agency shall obtain
30 contractual professional services to develop and implement a one-year pilot project
31 that includes, at a minimum, a sustainable materials management study and the
32 implementation of an operational based pilot project that demonstrates the ability
33 of Guam to develop a beneficial use for discarded glass bottles and other glass
34 products.

35 **Section 3. Appropriation.** The sum of **Two Hundred Fifty Thousand**
36 **Dollars (\$250,000)** is hereby appropriated from the Recycling Revolving Fund to
37 fund the pilot project mandated under Section 2 of this Act. Any unexpended
38 funds remaining in the Guam Environmental Protection Agency's budget at the

39 conclusion of the sustainable materials management study and its attendant pilot
40 project shall be returned to the Recycling Revolving Fund. This appropriation will
41 continue to be available until expended and is not subject inter-fund borrowing or
42 the Governor's Transfer Authority.

43 **Section 4. Effective Date.** The provisions outlined in this Act shall
44 become effective immediately upon enactment into public law.