

From: [Ken Honma](#)
To: [WPCtestimony](#); [LPCtestimony](#)
Cc: [Stand Together Hawaii](#)
Subject: Comments to Hawaii County General Plan 2045
Date: Thursday, January 9, 2025 4:35:51 AM

January 9, 2024

Dear Hawaii County Planning Commission members,

Michelle Melendez and her associates have more than adequately critiqued the General Plan 2045. They have spent countless uncompensated hours in studying the words and concepts in the Plan. I concur with their conclusion that this plan must not be forwarded to the Hawaii County Council without a severely needed re-write. Otherwise it should just be declined.

The main problem is that there appears to be a lack of sound and proven scientifically based hypotheses, and, much less scientific laws, on which the recommendations made throughout this document are based on. As a substitute for this lack, an attempt at the use of mind-control language, similar to a technique called a hypnotic jump, described in some **neurolinguistics programming** training, is used. I will cite one example of a hypnotic jump so that you can see how it works.

For example, making policy decisions based on ideas rather than proven scientific facts; such as the idea that man-made carbon dioxide is the cause of global warming; is a hypnotic jump. Here the idea that man-made green-house gas (co2) causes climate change, is an idea only, not a proven fact! But because of mind control, the mind jumps over and ignores this critical fact and goes to and focuses on the provided solutions such as; we need electric cars, or we need to control how many miles you can drive your car, or cluster planning for people so that they do not move around so much, or incentivizing people rezoning their land to conservation so no people can live there. This is just one example, but as Michelle's written edits show, there are many such hypnotic jumps. They are everywhere in this document, especially pay attention to where there is a lack of data, or lack of detailed citations of proven scientific facts.

If you read carefully, you will see that associated with an idea without facts, there is also a hypnotic jump that proposes what the mind interprets as a reasonable response to ameliorate each issue.

The language in this general plan is actually **hypnotic language**. In essence, a "**spell**" is cast on the people who read this document and who may not be able to identify these jumps, and believe that the proposed solutions are actually solving the implied problem, while the goals of the authors are something else completely.

My concern is that the commissioners are not recognizing that they are being put under a **spell** and therefore are not able to objectively assess this proposed general plan accurately. Now that you know this technique is being used, look carefully at the edits and recommendations that Michelle and her associates have provided to you and you will see that the **hypnotic jumps** are there. Michelle and her associates have also provided citations and links to credible scientific sources to help the commissioners conduct the necessary discussions in order to get the facts straightened out and to help the commissioners understand how misleading this document is.

This document should not be sent to the County Council for approval without a severely needed rewrite, or if a rewrite is not timely, then, you must decline to approve it.

Sincerely,

Ken Honma, Kurtistown Hi. 96760

From: [CATHERINE GARCIA](#)
To: [LPCtestimony](#)
Subject: hello
Date: Saturday, January 11, 2025 3:37:28 PM

NO 15 minute cities

From: [Joanna Weber](#)
To: [WPCtestimony](#); [LPCtestimony](#)
Subject: Tell the County Council to REJECT the Big Island General Plan 2045
Date: Saturday, January 11, 2025 4:01:38 PM

ALOHA HAWAII COMMISSIONERS

Request: Please, tell the County Council to REJECT the Big Island General Plan 2045.

Problem: The Big Island General Plan 2045 does not entirely appear to have the interests of the residents in mind, and it is already reducing the value of people's properties.

Concerns Include:

- Land Use changing "Residential" to "Recreation" drops property value!
- Plan could set up many opportunities for State to take the land & Re-Zone!
- Plan could regulate off-grid living!
- Plan will further stress electric grid increasing prices!
- AND MORE!

The PDF below explains our concerns with the Big Island General Plan 2045:

https://www.standtogetherhawaii.com/_files/ugd/86fc0c_b34739e4c99c461685de4c0207bf286e.pdf

ALOHA, JOANNA WEBER

From: [Lahilahi Heen](#)
To: [LPCtestimony](#)
Subject: Big Island General Plan
Date: Saturday, January 11, 2025 2:58:50 PM

REJECT the Nefariously written document that reads "Stakeholder" rather than 'Homeowner', along with other sketchy dialog!!

REJECT REJECT REJECT REJECT REJECT REJECT REJECT REJECT

Mahalo:
(Assumed) Home/Property Owner

From: [Rebecca Melendez](#)
To: [WPChestimony: LPChestimony](#)
Subject: General Plan Testimony
Date: Saturday, January 11, 2025 9:30:48 AM

Big Island General Plan

This General Plan is highly vague at times. In some of their explanations, they do not use the exact title but abbreviations, which takes time to research what they want to implement. They should have these abbreviations in the glossary.

They need to be a lot clearer about what they want to do because it looks like they want to "cluster" us in living and take some of our rights away.

Page 43

1.m Review the Code and consider amendments to encourage site clustering of development in order to avoid critical environmental areas and assets.

What do they mean by "encourage site clustering"? What does "site clustering" even mean? How will this affect community living?

Page 80

9.f Study the feasibility, issues, and opportunities related to the development of a TDR program to strategically preserve open space and achieve density to remain consistent with the land use pattern in accordance with the General Plan Land Use Maps.

TDR is the Transfer of Development Rights

It seems the TDR program allows the county full rights to say where homes can and cannot be built and whether private land is restricted. This restricts the right to build houses on private lands. If the county decides that property shouldn't be developed, we will lose our rights to build on privately owned land.

"A TDR program seeks to preserve landowners' asset value by moving the right to build a house from a location where development is prohibited (e.g., for environmental reasons) to a location where development is encouraged."

"In the place where development is encouraged under TDR, zoning is changed to permit more units to be built." This sentence explains a TDR program talks about building "more units" not houses, and gives the county full rights to tell people where they can and can not build homes, even if they and that they can only build "units".
<https://njaes.rutgers.edu/highlands/transfer-development-rights.php>

Page 82

They mention TDR program again

12.f Study the feasibility, issues, and opportunities of a TDR program to incentivize development away from high-risk hazard areas.

Page 87

The General Plan talks many times about "high-density, Prioritize an increase in density" for multi-families 13.2, 13.4, 13.8, it seems this goes with the TDR program. To "cluster" us up into housings.

13.10 Development of TODs and TNDs are encouraged within locations of the urban centers shown on the General Plan Land Use Map. These locations are approximate and become fixed during rezoning.

They don't give any ideas of how they will increase public transportation. The bus system has been breaking down for years and is very rarely on time. They are not clear on what they mean by this at all. They just say "are encouraged."

Big Island's public transportation needs to be addressed. How can the island create better public transportation? They don't explain how they want to help public transportation.

Big Island's infrastructure also needs to be seriously addressed because traffic is increasing monthly without any sign of helping the infrastructure to accommodate the increase in traffic.

How can they help the infrastructure with a mountain on one side and a cliff on the other, with many of our roads? They don't offer any ideas.

TNDs - Traditional Neighborhood Development

TOD - Transit-Oriented Development

<https://fifthave.ca/benefits-and-drawbacks-of-transit-oriented-developments/>

Drawbacks and Challenges of Transit-Oriented Development

1. **Decreased Affordability and Property Values:** The increased demand for housing in TOD areas may lead to rising property values and rental costs, potentially displacing existing low-income residents.
2. **Displacement of Marginalized Communities:** Gentrification can occur in TOD neighborhoods, pushing out long-time residents and causing social and economic disruptions.
3. **Social and Cultural Homogenization:** The emphasis on mixed-use developments might inadvertently lead to the homogenization of local cultures and businesses, eroding the unique character of the community.
4. **Increased Pressure on Infrastructure:** High-density developments can strain existing infrastructure, such as transportation networks, water, and sanitation systems, necessitating costly upgrades.
5. **Unequal Distribution of Benefits:** Without inclusive planning and involvement of all stakeholders, the benefits of TOD might disproportionately favor certain segments of the population.

13.13 Support master planning by public and private institutions and landowners which emphasize TOD, affordable housing, and mixed-use development.

What is their "Master Plan"? Why should it be supported?

Page 89

13.44 The development or designation of new resort areas should complement the character of the area; protect the environment and natural beauty; respect existing lifestyles, cultural practices, and cultural resources; and provide shoreline public access.

The Big Island needs homes for its residents. It does not need more resorts because the island is having resource issues with the developments here now, and many more years of already-approved developments have not been completed yet.

Please see this petition: <https://www.change.org/p/help-big-island-resources-and-infrastructure-stay-safe-for-all-who-live-here-and-visit>

The West Hawai'i Sanitary Landfill, the only remaining landfill on the Big Island, is forecast to reach capacity within the next 20 to 25 years." <https://bigislandnow.com/2023/09/17/big-island-now-poll-no-27-results-more-than-one-solution-needed-to-help-extend-life-of-west-hawaii-landfill/>

"Hawai'i Water Supply Closely Monitored As Severe Drought Continues by Big Island Video Newson Nov 6, 2023 at 3:28 pm STORY SUMMARY HAWAII COUNTY - Officials say a special focus will be placed on the South Kohala Water System, which is more susceptible to drought conditions." <https://www.bigislandvideonews.com/2023/11/06/water-supply-closely-monitored-as-hawai%CA%BBi-under-severe-drought/>

HECO issues rolling power outages around Big Island by: Emily Cervantes Posted: Feb 13, 2024 / 05:11 PM HST Updated: Feb 13, 2024 / 09:12 PM HST Hawaiian Electric initiated rolling outages for Big Island after several large generators became unavailable and reduced output Tuesday night." <https://www.khon2.com/local-news/heco-releases-conservation-alert-for-big-island/>

- 13.e Amend Zoning Code to:
- Establish a TOD overlay zone project district with a minimum size of 15 acres.
 - Create a TND overlay zone for existing zoned lands within identified residential and commercial zoning districts.
 - Allow for residential uses in ML and MCX zoning districts.
 - Support innovative uses of alternative energy, agriculture, aquaculture, and others, in MCX zoning district

What does the i. sentence mean, exactly?

What does ML and MCX stand for? These are not in their glossary, and I can't find them online.

- 14.1 Support the State Land Use reclassification to Rural in alignment with the General Plan Rural designation.

What is the General Plan Rural Designation?

- 14.2 Support reclassification/rezoning of appropriate General Plan Rural designated areas where an intermediate land use and a well-defined buffer between Urban and Productive Agricultural areas are consistent with the surrounding uses and rural character.

What is the "reclassification/rezoning of appropriate General Plan Rural designated..."?

Why does it need to be supported?

How will they support it?

- 4.4 Rural-style residential-agricultural developments, such as new small-scale rural communities or extensions of existing rural communities, should be incentivized to cluster in appropriate locations.

They want to "cluster" residents because the word "cluster" is used a many times in this General Plan. How will this affect community living, exactly?

- 14.b Amend the zoning districts currently listed as Family Agricultural District (FA) and the Residential and Agricultural Districts (RA) to be consistent with the Rural designation and to allow for home occupations that do not negatively impact rural character.

Would this mean the county would have the right not to approve homes on "Rural Designated" lands?

- 15.f Update the Real Property Tax Code for agricultural land uses that result in actual production or other public benefits, such as native forestry and the ecosystem services that result from well managed rangelands.

What does this mean? Will they increase taxes? We need farmers to want to work and afford life without increased taxes.

- 15.g Amend the Zoning Code to require Plan Approval for commercial open area recreational uses in the Agricultural District.

How do they want to Amend the Zoning Code?

- 15.i Develop standards and guidelines for buffer areas located adjacent to agricultural lands.

What does this mean? What kind of guidelines?

- 16.6 Provide for present traffic and future demands, including the development of mass transit programs for high-growth areas by both the private and public sectors.

How will they do this? Traffic keeps increasing monthly, and the roads are incredibly narrow, with a cliff on one side and a mountain on the other in many different areas all over the island.

How will they develop mass transit programs? What would this look like?

- 17.4 Land use applications shall identify as early as possible any existing or potential active living corridors that should be incorporated into the County's open space network.

Who decides what a living corridor is? Is this the county's way of taking private land areas?

- 17.5 Ensure that existing active living corridors that are publicly owned or available by easement are properly identified and that their access elements are secured and documented.
b) "Acceptance" by the County of the responsibilities detailed in the grant of easements should require County Council action and a dedicated funding source.

What does b) mean exactly?

- 9.2 Increase arterial capacity through prioritization of alternative means of transportation, such as mass transit, bicycle, and pedestrian systems.

What does this mean? What is their plan? How will they make "prioritization of alternative means of transportation"?

- 19.6 Use traffic demand management to aid in reducing traffic congestion by targeting an increase of active transportation mode share to 10 percent (bicycling, walking, micro-mobility)

What do they mean by "Use traffic demand management to aid in reducing traffic congestion"? Will they somehow limit cars and use buses, bikes, or walking?

- 19.7 Concurrency reviews should incorporate reduction in vehicle miles traveled to mitigate traffic impacts (e.g. the level of service) and achieve sustainability and demand management goals.

What does this mean, "Concurrency reviews should incorporate reduction in vehicle miles traveled..."? Do they want to limit our driving and vehicle miles? Do they want to take away our right to travel? How will they do this? This doesn't seem legal, if this is what they want to do.

- 19.a Continue to adopt the County Street design manual as the County's complete street design program/policy.

- 19.b Amend the County Code to incorporate complete street design.

What is the County Street design manual? I don't see this information in the General Plan.

- 19.d Identify all roles for interdepartmental collaboration in delivering a truly multimodal transportation system.

A multimodal transportation system consists of more than one source of transportation to get to the destination. So, do they mean we will have to take a bus and our car to get to where we want to go? What do they mean exactly?

- 20.e Adopt a Complete Streets ordinance.

What is a "Complete Streets ordinance"?

22.7 Develop roadway standards to accommodate emerging technology for connected and automated vehicles.

The Big Island has power issues and cannot handle all its current power needs. It does not have extra power to connect many electric vehicles, which will only add to its power issues. Plus, if there is a big storm and we lose power, those electric cars cannot run, their batteries do not decompose well, and the island needs a new way to take care of rubbish because there is only one landfill on the island. These cars will only add to the many issues the island already has.

"Hawaii Island is in the enviable position of having a landfill with anywhere from 20 to 100 years of capacity left to take in trash. But the island still wrestles with significant issues like plastic products that are no longer being recycled." <https://www.waste360.com/landfill/hawaii-deals-with-burgeoning-waste-management-problem>

"Hawaiian Electric is reporting that several large generators on the Big Island are experiencing a range of issues and may lead to the need for rolling outages if supply does not meet demand."
https://www.reddit.com/r/BigIsland/comments/1bnuar3/hawaiian_electric_is_reporting_that_several_large/?rdt=52660

Page 130

25.5 Encourage the clustering of developments to reduce the cost of providing utilities.

How will "clustering developments" reduce the cost of utilities? We all use the same power whether we live clustered up, like the county wants, or not.

The solution to help power the island is not "clustering" everyone. It is asking homeowners/resorts/vacation rentals to purchase solar panels, use wind turbines, or use other natural ways to create their own power. If everyone tries to step up, we can all make good chances together.

This petition offers other solutions <https://www.change.org/p/help-big-island-resources-and-infrastructure-stay-safe-for-all-who-live-here-and-visit>

25.6 Develop short- and long-range capital improvements programs and plans for public utilities within its jurisdiction that are consistent with the General Plan.

What are "capital improvement programs"?

25.7 Maintain an Asset Management Program aimed at utilizing maintenance plans to prolong the life of our utilities as well as reduce whole-life costs.

What is their Asset Management Program?

25.a Develop and adopt an Impact Fees Ordinance to aide in the expansion of public utilities.

What is an "Impact Fees Ordinance"?

Page 132

26.5 Ensure the highest quality of water is reserved for the most valuable end-use.

What do they consider "the most valuable end-use" for water?

The Rosewood Resort waters its white coral road to keep the dust down. They use hundreds, if not thousands, of gallons to water their road, even when there are signs to conserve water. Has the county looked at the resort's wasteful water use? Are the resort's water use more "valuable" than residence use?

26.6 Encourage the design of large development projects (200+ units) in the North Kohala, South Kohala, North Kona, South Kona, and Ka'ū Districts to be as water neutral as reasonably possible through water conservation, recharge, and reuse measures to reduce the water footprint.

How can 200+ units be water-neutral? Do they want to develop more resorts that seem to use water as they want, even when it's incredibly wasteful, and the county doesn't look at this?

26.7 Promote best practices in sustainable water collection and use for private water systems.

What does this mean, "for private water systems"? Are they planning private water systems used only by private communities or resorts?

Why hasn't the county considered new inventions to help the island's water issues?

Inventions that capture grey water to use in toilets <https://ecofriend.com/innovative-products-designed-capture-reuse-gray-water.html> I'm sure there are many new inventions that could help the island if they only start to look for them.

Page 133

26.e Maintain the water master plan to consider water yield, present and future demand, alternative sources of water, guidelines, and policies for the issuing of water commitments.

What is their "water master plan"?

26.n Develop water conservation and stormwater management guidelines for commercial, industrial, and residential properties.

What would "management guidelines" look like? Would resorts be prioritized over residences?

Page 137

27.6 Pollution shall be prevented, abated, and controlled at levels that will protect and preserve public health and well-being through the enforcement of appropriate Federal, State, and County standards

27.7 Ensure municipal wastewater systems serve designated Urban Growth Areas (UGA) with the capacity to accommodate projected population growth.

27.9 Prioritize developing a multipronged approach to wastewater infrastructure funding, including proactively seeking grant funding for wastewater system expansion, improvements, and new development

27.11 Ensure that wastewater systems and improvements are designed and functioning to maximize system efficiencies, prevent accidental leaks or spills, and provide sanitary, reliable wastewater treatment that is not negatively impacting natural resources.

They don't mention the pollution that cesspools are causing daily. People can use many kinds of toilets to stop using cesspools today.

Why hasn't the county considered new inventive toilets to use to help the wastewater system? Like the Cinderella Incinerator Toilet to help stop pollution from cesspools and help with the wastewater system? <https://cinderellaeco.com/en-us>

There are many new inventive toilets these days that can help the island's wastewater system, and the Cinderella Incinerator Toilet can also help conserve water.

Page 138

27.15 Prioritize the use of gray water in areas connected to County water and not connected to County wastewater.

Why doesn't the county start looking for new inventions to help the island instead of traditional sources when the island's population is steadily growing and needs new ideas to help? They could start considering using inventions like these:

<https://ecofriend.com/innovative-products-designed-capture-reuse-gray-water.html>

<https://newsroom.ucla.edu/stories/gray-water-clean-up-yoram-cohen-271642>

<https://www.greenprophet.com/2015/04/10-inventions-to-save-earths-water/>

27.a Prioritize areas where on-site wastewater treatment should be converted to sewer and establish financial tools such as improvement districts to aid in implementation.

27.b Prioritize areas where wastewater treatment facilities are necessary to facilitate future growth and utilize financing tools such as community facilities district (CFD) or tax increment financing (TIF) to aid in implementation.

Big Island

'Acute Problems' Plaguing Big Island's Wastewater Treatment Systems Prompt EPA Crackdown <https://www.civilbeat.org/2024/04/acute-problems-plaguing-big-islands-wastewater-treatment-systems-prompt-epa-crackdown/>

Why doesn't the county start considering the Cinderella Incinerator toilet or other inventions to help with the wastewater treatment issues? <https://cinderellaeco.com/en-us>

27.i Streamline the sewer connection loan program.

What is this loan program? Is the island going into more debt because of it?

27.j Develop wastewater cost valuation in service fees (similar to the water model fee structure).

27.k Develop a criteria-based infrastructure prioritization tool to develop new or expand existing municipal wastewater systems. Base these priority areas on designated urban growth boundaries, urban zoning and density, population trends and anticipated growth, health/safety, and environmental factors

27.l Implement innovative wastewater systems at a cost-effective scale for small communities.

If the county starts considering new inventions and types of waste treatment toilets, like the Cinderella Incinerator Toilet, wastewater treatment costs would be considerably lowered.

Page 139

27.p In collaboration with the Department of Agriculture, develop a water resource strategy for efficient agricultural water use and reuse.

Why doesn't the county start to consider using grey water inventions? <https://www.environmental-expert.com/articles/the-power-of-greywater-recycling-a-sustainable-solution-for-the-future-1138822>

Page 142

28.11 The County shall ensure that golf course developments develop and implement grading and site preparation plans to:

Why is the county still considering more golf courses when the island has water issues, power issues, landfill issues...?

Page 143

28.b Conduct a feasibility study to create a County Stormwater Utility before the County reaches MS4 requirements.

28.c Update the DPW Storm Drainage Standards to reflect current data and to incorporate strategies and standards of green infrastructure and low-impact development.

28.d Develop drainage master plans from a watershed perspective that considers non-structural alternatives, minimizes channelization, protects wetlands that serve drainage functions, coordinates the regulation of construction and agricultural operation, and encourages the establishment of floodplains as public greenways.

Why doesn't the county start looking at new, innovative drainage solutions for the island? <https://www.randrmagonline.com/articles/90645-innovative-solutions-for-effective-storm-water-management-in-urban-environments>

Page 149

30.4 Continuously improve the use of broadband communications and digital technology to educate and provide public services with a focus on digital access.

30.5 Siting of new communications facilities shall comply with performance standards and site colocation as stated in the Code.

30.6 Support projects that address service gaps in Hawai'i's broadband infrastructure.

30.9 Alleviate barriers and assist broadband projects with navigating through the regulatory permitting process.

Does this mean an increase in cell towers? Have they researched health issues because of cell towers?

Cell towers point straight to roads, homes, and commercial areas...Because the island is mountainous, the tops of cell towers can be only a few feet from these areas.

On Palani Rd. and Queen K HWY, there are two cell towers whose tops are only a few feet from the HWY.

On Hualalai Rd., there is a cell tower facing a retirement home and it's less than 100 ft away.

In Hawi town, there is a cell tower at a gas station. The top of the tower is directly across from residential homes.

Has the county checked these places to do any research on whether people are being affected by cell tower radiation before they keep allowing and agreeing to more cell towers?

<https://mdsafetech.org/cell-tower-health-effects/>

"Overall results of this review show three types of effects by base station antennas on the health of people: radiofrequency sickness (RS), cancer (C) and changes in biochemical parameters (CBP). Considering all the studies reviewed globally (n = 38), 73.6% (28/38) showed effects: 73.9% (17/23) for radiofrequency sickness, 76.9% (10/13) for cancer and 75.0% (6/8) for changes in biochemical parameters...Of special importance are the studies performed on animals or trees near base station antennas that cannot be aware of their proximity and to which psychosomatic effects can never be attributed."

30.12 Plan for broadband infrastructure to support smart grid development

What is a Smart Grid? How is it good for the community?

Page 150

30.b Develop standards for the siting and construction of wireless telecommunication facilities.

Will there be any health and safety research and studies on what a safe distance and a safe number of cell towers should be for human bodies, trees, and animals?

30.i Pursue partnerships and funding for broadband initiatives and deployments

30.j Support the coordination of infrastructure projects between the public and private sectors to create areas for the deployment of broadband zones

30.k Seek federal and other opportunities for the funding of broadband infrastructure.

What is the broadband initiative?

What are broadband zones? Have they researched health and safety before seeking federal funding and wanting to support this?

30.l Support the State to develop a broadband dashboard to track progress and gaps that will inform decision-making in economic development on Hawai'i Island.

30.m Foster public-private partnerships to support the development and expansion of broadband infrastructure, including community networks.

Does this mean that they want to know where the gaps are to keep adding more cell towers?

Does this mean they want the public to support the development of cell tower expansion?

Where is the health and safety research for cell towers?

Page 155

31.a Create an asset management program.

31.c Develop and adopt an Impact Fees Ordinance to aide in the expansion of County services and facilities.

What would be an asset management program?

What is an Impact Fees Ordinance?

Page 162

33.2 Implement waste stream technology, such as recycling and upcycling and waste-to-energy to reduce the flow of refuse deposited in landfills.

33.9 Ensure that redesign plans for landfill and transfer stations provide adequate space for Resource Recovery (RR) Stations.

33.11 Site new solid waste/resource recovery facilities in appropriate areas that serve the needs of population centers and minimize and mitigate negative impacts on the environment or surrounding neighborhood. 33.12 Reduce illegal dumping and littering.

33.13 Minimize the amount of waste generated by County facilities.

33.a Evaluate and amend the County Code to integrate strategies to maximize landfill diversion and handle materials:

Has the county ever looked into new innovative ways to deal with rubbish:

"Benefits of waste-to-energy

Waste-to-energy technology offers an alternative to landfills, providing a cleaner, more efficient way of disposing of waste while reducing greenhouse gas emissions.

" <https://biotru.com/what-can-we-use-instead-of-landfills/>

Different Alternative to landfill <https://bettermeetsreality.com/the-different-alternatives-to-landfill-waste-management-options/>

Top 29 countries that have been efficient in minimizing waste <https://www.openaccessgovernment.org/which-countries-are-the-most-efficient-at-minimising-waste/96037/#:~:text=Switzerland%20have%20100%25%20waste%20recovery%2C%20despite%20being%20in,while%20the%20other%2047%25%20is%20incinerated%20for%20energy.>

Page 171

35.f Update the County of Hawai'i Recreation Plan to reflect newly identified recreational priorities.

The county has sent out letters changing private Land Use Titles to recreational land. Why is it legal for the county to take private lands away from people to give their lands to recreation?

I heard these people would still have to pay the property tax on their land, which the county wants to turn into recreational land, is this going to happen?

35.i Develop best management practices for the development and maintenance of golf courses in collaboration with government, private and nonprofit agencies, and other stakeholders.

Golf courses use a lot of poisons to keep their lands weed-free, and these poisons runoff into the ocean, causing algae blooms and other pollutions. Will the county be addressing this?

35.r Develop and implement a cemeteries master plan for the siting of future cemeteries.

What is their "cemetery master plan"?

Pag 176

36.b Develop a medical center TOD master plan and rezone it as a Regional Center TOD.

What is the TOD master plan?

Page 182

37.3 Prioritize new housing including the missing middle in or near mixed-use developments, urban growth areas with infrastructure, and near existing and proposed transit centers.

37.6 Vacant lands in the urban growth boundary (UGB) should be prioritized for residential and supportive uses before additional agricultural lands outside the UGB are converted into urban uses

37.c Assess and amend the land use and building regulations and explore fiscal opportunities to support universal design principles and ADA accessibility for more physically accessible housing.

The island's resources need to be addressed because many years in the making, developments have been approved to build more homes, and all of the island's resources are having serious issues today.

Before prioritizing more homes, the island's resources need to be addressed.

<https://www.change.org/p/help-big-island-resources-and-infrastructure-stay-safe-for-all-who-live-here-and-visit>

Page 183

38.1 Enable data-driven research to support and maintain a housing inventory program that monitors existing housing.

What are they going to monitor, and why?

Page 184

39.8 Encourage the development of workforce housing within or near urban growth areas and employment centers and require large new developments that create a demand for housing to provide affordable workforce housing.

Resorts on the island hire and bring in people from outside of the country. Then they house them. This takes away homes and jobs from locals. Why doesn't the county prioritize these jobs and homes for locals? Why don't the resorts on the island hire locals who are already here and house them?

Page 190

42.c Develop and adopt an impact fees ordinance that considers district specific needs and excludes urban core areas where infill is encouraged.

What exactly does this mean? What are "impact fees ordinance" and "infill is encouraged" mean?

42.d Develop a framework for a transition plan for changes in administrative leadership to ensure a smooth transition and continuity of operations.

Why does the county need a "transition plan for changes in administrative leadership"?

Page 199

44.f Partner with business associations, realtors, and the chamber of commerce to recruit small-scale manufacturers to establish retail locations in village and town centers to support reinvestment and match potential tenants with local landowners.

The shops in Kailua Kona town have trouble staying open because all the private parking lots are overcharging. Why isn't the county addressing this issue instead of wanting to bring in more businesses that won't be able to survive because private parking is taking a lot of money away from businesses?

I do not understand how to use their map that shows all the changes they want to make on the island.

I have heard the voices of people in person at the meetings who have received letters that state the county wants to change their Land Use Titles in this General Plan. How is changing

people's private Land Use Titles legal? This is not right.

Please look at their map because I was told that the county is changing high-end developers' Land Use Titles so they can develop easily.

Zendo Kern has helped high-end developers many times on the island. This planning director favors developers rather than the preservation of the land and community voices.

For example, 18,554 people signed a petition to Save Punalu'u from development. Hundreds of Hawaiian residents protested the housing project in Punalu'u, and still, "Planning Director Zendo Kern has recommended that the commission greenlight the development, writing in his [17-page report](#) to the panel that the project will not have any substantial adverse environmental or ecological effect" provided that best management practices are used to mitigate any impacts.

Kern recommended moving ahead without making the developers prepare an updated environmental impact statement or environmental assessment because the project did not meet the criteria set out in state law for such a requirement."

This man is not for conserving the land, nor does he support community voices.

Please look at the map he is a part of because this man favors high-end developers. If this map changes high-end developers' Land Use Titles to help them develop their land easily, it could be one huge way that he supports these developers, and this is not right for the island and the community.

<https://www.civilbeat.org/2024/03/hundreds-of-hawaii-island-residents-protest-proposed-housing-project-in-punaluu/>

<https://www.thepetitionsite.com/854/086/898/residents-who-oppose-the-resort-in-punaluu-ka%CS%AB/>

Thank you,
Rebecca Melendez

From: [Susie Jenkins](#)
To: [LPCtestimony](#); [WPCtestimony](#)
Subject: Revise Hawaii General Plan Testimony Here
Date: Saturday, January 11, 2025 2:56:59 PM

Aloha Commissioners,

The Big island Plan cannot go through the way it is designed. It is hard to believe any local helped design this plan.

I believe that this plan has been based on the Agenda 2030 plan to control everything & everyone. Whoever put this together should be subjected to see if they are part of pushing this world order plan.

Here are some concerns:

There is a huge part of the plan dedicated to "Climate Change". However, why do most experts state there is NO climate danger? [Climate Experts Speak Out Against Climate Danger Click Here!](#)

The word "Stakeholder," defined in the plan, is written 86 times and literally means anyone in the entire world can have input on this plan.

Please recommend Stakeholder change to the following: "Local Communities". Local Communities are local Big Island farmers, homeowners, renters, organizations, businesses, and individuals who live on Big Island or have property on Big Island that will be personally affected by projects, decisions, or activities in the general plan. Effective local community engagement and management are crucial for the success and sustainability of any initiative, as it helps ensure that diverse perspectives and interests are considered.

The OSCER Department in the plan will null and void all public input and leave decisions to unelected officials. This is NOT okay! This department should not be created. This is on page 188, 40.8.

The Planning Department has sent out letters too many homeowners telling them their land use will be changed from resident to recreation due to the General Plan 2045. This will drastically lower their property value and opens the door to rezone the area. This is not pono. It breaks the Aloha Spirit law § 5-7.5. To reduce someone's property value is not okay. This must be made pono again.

There is a huge section on climate change and things that will be affected. This needs to be further researched. There are over 1900 credentialed scientist that say there is no climate danger. Here is the pdf showing the scientist and what country they are from. <https://clintel.org/wp-content/uploads/2024/10/WCD-241023.pdf> John Coleman, the first weather man for Good Morning America and the Founder of the Weather Channel has gone on CNN and other media outlets stating, "There is no climate danger". He explain the reason for this narrative is the investors, in renewable energy, want to make these changes.

Hilo does not have a Community Development Plan. How can a Big Island General Plan move forward without that? Hilo is 22% of the island.

1.13 under "Increase the biodiversity and resilience of native habitats" reads, *"Incentivize private land management practices that protect and enhance natural resource values and, when appropriate, pursue the acquisition of lands for the protection of natural resources."* "Incentives" mean more taxes. "Protection" means more rules. Who's "values" is this plan referring too because it's not the locals? "Pursue the acquisition of lands" does this say they are going to pursuing taking people's private property? Again with "protection of natural resources". This plan should be focused on people growing more food and it is doing the exact opposite!

This plan wants to turn land into "conservation". The exact opposite is what is needed for Big Island! We need to turn land into Ag Villages and grow more food! Steve Shropshire, a resident of Papaikou, has created an Ag Villages plan.

Ag Village to add to the General Plan:

Papaikou Ag Village Objectives:

https://www.standtogetherhawaii.com/_files/ugd/86fc0c_2cb1cc6d604f4cdd971ad40831c745bc.pdf

Papaikou Site

Plan: https://www.standtogetherhawaii.com/_files/ugd/86fc0c_5e4cdb02efeb46a5ae949a3579aff00d.pdf

Papaikou Development:

https://www.standtogetherhawaii.com/_files/ugd/86fc0c_c2af52c8b3c645b1a6868a724eee8304.pdf

A Hawaiian born Kanaka revised the Collaborative Biocultural Stewardship that is in the plan. You can see it in the pdf below:

Part

One: https://www.standtogetherhawaii.com/_files/ugd/86fc0c_0a1d5be8f1d140069415f7b691725786.pdf

Part Two: [https://86fc0cbd-8207-4076-85fa-](https://86fc0cbd-8207-4076-85fa-5a62e4e933b4.usrfiles.com/ugd/86fc0c_ecc498ba192d4a7689ebf31c3681c2ec.pdf)

[5a62e4e933b4.usrfiles.com/ugd/86fc0c_ecc498ba192d4a7689ebf31c3681c2ec.pdf](https://86fc0cbd-8207-4076-85fa-5a62e4e933b4.usrfiles.com/ugd/86fc0c_ecc498ba192d4a7689ebf31c3681c2ec.pdf)

Here is a longer revised version of the plan from locals:

https://www.standtogetherhawaii.com/_files/ugd/86fc0c_b34739e4c99c461685de4c0207bf286e.pdf

The way this plan is written is very far from what will support our island.

C.S. Jenkins

From: [Deborah Sevy](#)
To: [LPCtestimony](#)
Subject: Reject Hawaii County General plan
Date: Sunday, January 12, 2025 9:40:18 AM

To whom this may concern,

Please tell the county council to reject the Hawaii County general plan. It is too vague and has the potential to take away freedom and rights of landowners. It needs a total re-haul. Government is here to serve the people not the other way around.

Mahalo for your kokua!

Aloha,

Deborah Sevy

Hawaii county resident since 1978

From: [Donald](#)
To: [WPCtestimony](#)
Cc: [LPCtestimony](#)
Subject: Revise Hawaii General Plan Testimony Here
Date: Sunday, January 12, 2025 5:08:38 AM

Aloha Commissioners,

The Big island Plan cannot go through the way it is designed. It is hard to believe any local helped design this plan.

Here are some concerns:

- There is a huge part of the plan dedicated to "Climate Change". However, why do most experts state there is NO climate danger? [Climate Experts Speak Out Against Climate Danger Click Here!](#)
- The word "Stakeholder," defined in the plan, is written 86 times and literally means anyone in the entire world can have input on this plan.
- Please recommend Stakeholder change to the following: "Local Communities". Local Communities are local Big Island farmers, homeowners, renters, organizations, businesses, and individuals who live on Big Island or have property on Big Island that will be personally affected by projects, decisions, or activities in the general plan. Effective local community engagement and management are crucial for the success and sustainability of any initiative, as it helps ensure that diverse perspectives and interests are considered.
- The OSCER Department in the plan will null and void all public input and leave decisions to unelected officials. This is NOT okay! This department should not be created. This is on page 188, 40.8.
- The Planning Department has sent out letters too many homeowners telling them their land use will be changed from resident to recreation due to the General Plan 2045. This will drastically lower their property value and opens the door to rezone the area. This is not pono. It breaks the Aloha Spirit law § 5-7.5. To reduce someone's property value is not okay. This must be made pono again.
- There is a huge section on climate change and things that will be affected. This needs to be further researched. There are over 1900 credentialed scientist that say there is no climate danger. Here is the pdf showing the scientist and what country they are from. <https://clintel.org/wp-content/uploads/2024/10/WCD-241023.pdf> [John Coleman, the first weather man for Good Morning America and](#)

[the Founder of the Weather Channel has gone on CNN and other media outlets stating, "There is no climate danger". He explain the reason for this narrative is the investors, in renewable energy, want to make these changes.](#)

- Hilo does not have a Community Development Plan. How can a Big Island General Plan move forward without that? Hilo is 22% of the island.
- 1.13 under "Increase the biodiversity and resilience of native habitats" reads, *"Incentivize private land management practices that protect and enhance natural resource values and, when appropriate, pursue the acquisition of lands for the protection of natural resources."* "Incentives" mean more taxes. "Protection" means more rules. Who's "values" is this plan referring too because it's not the locals? "Pursue the acquisition of lands" does this say they are going to pursuing taking people's private property? Again with "protection of natural resources". This plan should be focused on people growing more food and it is doing the exact opposite!
- This plan wants to turn land into "conservation". The exact opposite is what is needed for Big Island! We need to turn land into Ag Villages and grow more food! Steve Shropshire, a resident of Papaikou, has created an Ag Villages plan.

Ag Village to add to the General Plan:

Papaikou Ag Village Objectives:

https://www.standtogetherhawaii.com/_files/ugd/86fc0c_2cb1cc6d604f4cdd971ad40831c745bc.pdf

Papaikou Site

Plan: https://www.standtogetherhawaii.com/_files/ugd/86fc0c_5e4cdb02efeb46a5ae949a3579aff00d.pdf

Papaikou Development:

https://www.standtogetherhawaii.com/_files/ugd/86fc0c_c2af52c8b3c645b1a6868a724eee8304.pdf

A Hawaiian born Kanaka revised the Collaborative Biocultural Stewardship that is in the plan. You can see it in the pdf [below:](#)

Part

One: https://www.standtogetherhawaii.com/_files/ugd/86fc0c_0a1d5be8f1d140069415

[f7b691725786.pdf](#)

Part Two: https://86fc0cbd-8207-4076-85fa-5a62e4e933b4.usrfiles.com/ugd/86fc0c_ecc498ba192d4a7689ebf31c3681c2ec.pdf

Here is a longer revised version of the plan from locals:

https://www.standtogetherhawaii.com/files/ugd/86fc0c_b34739e4c99c461685de4c0207bf286e.pdf

The way this plan is written is very far from what will support our island.

Kona Hawaii

From: [Rebecca Melendez](#)
To: [LPCtestimony](#); [WPCtestimony](#); [Planning General Plan](#)
Subject: Oppose General Plan TDR Program, Broadband, Smart Grid...
Date: Sunday, January 12, 2025 7:53:06 AM

I am furious that the county uses confusing sentences in their General Plan and does not fully explain their true intentions. Please read my proof below.

I am extremely angry that the county is trying to control where and how we live through the TDR program:

2045 General Plan Page 80

<https://www.planning.hawaiicounty.gov/home/showpublisheddocument/308136/638597487229830000>

9.f Study the feasibility, issues, and opportunities related to the development of a TDR program to strategically preserve open space and achieve density to remain consistent with the land use pattern in accordance with the General Plan Land Use Maps.

TDR is the Transfer of Development Rights (they do not let us know this. I had to research to find out what TDR meant)

As I understand it, the TDR program allows the county full rights to say where homes can and cannot be built and whether private land is restricted. This restricts the right to build houses on private lands. If the county decides that property shouldn't be developed, we will lose our rights to build on privately owned land.

"A TDR program seeks to preserve landowners' asset value by moving the right to build a house from a location where development is prohibited (e.g., for environmental reasons) to a location where development is encouraged."

The county will decide the environmental reasons for incorporating land into the TDR program, which aims to give them full control over all the lands on Big Island and tell us where we can live.

"In the place where development is encouraged under TDR, zoning is changed to permit more units to be built." This sentence explains that a TDR program builds "units," not houses, and gives the county full rights to tell people where they can and cannot build homes, and they will only be able to build "units" through the TDR program. <https://njaes.rutgers.edu/highlands/transfer-development-rights.php>

I am outraged that the county is not trying to help solve problems on the Big Island but rather trying to create a 5G Smart City through their "Broadband and Smart Grid" that will cost billions to create and add years of serious traffic when we already have serious traffic issues.

It's because their fibre cables (which they never mention in their GP) for their "Broadband/Smart Grid" have to go underground and require a lot of power, and Hawaii Electric already has power issues.

Hawai'i Electric does NOT have the kind of power a Smart Grid needs, and this WILL add more issues to the island's already-existing power problems.

<https://www.hawaiianelectric.com/safety-and-outages/an-update-on-hawaii-island-power-generation>

An update on Hawaii Island power generation – how you can help

“there’s no one to call on for backup - we’re on our own.

That’s why we will need everyone to work together over the next month, and possibly longer, to conserve electricity. We are extremely tight on what we call our generation margin, the margin between the demand for electricity and our ability to supply it. This demand typically peaks on weekdays between 5 and 9 p.m. and that’s when the margin is most critical.”

2045 General Plan Page 149

s 30.1 Treat broadband access as a basic utility that is available to all communities.

The county doesn’t mention that “broadband” is 5G. <https://advantageslist.com/advantages-and-disadvantages-of-broadband/>

30.12 Plan for broadband infrastructure to support smart grid development

The county doesn’t mention they want to turn the Big Island into a Smart City because the Smart Grid is the first thing to implement to do this.

<https://smartgrid.ieee.org/resources?cafid=0&id=223>

“A smart grid alone does three things. First, it modernizes power systems through self-healing designs, automation, remote monitoring and control... Thus, a smart grid sits at the heart of the smart city, which cannot fully exist without it”.

Smart Grid Info:

<https://minnovation.com.au/smart-cities-2/disadvantages-of-smart-cities-potential-challenges-and-concerns/>

- “Privacy and Data Security:

Smart cities rely heavily on the collection and analysis of vast amounts of data from sensors, cameras, and connected devices. This data is crucial for optimizing city operations and services. However, the extensive data gathering raises concerns about privacy infringement and data security. Citizens worry about their personal information being accessed or misused.”

What are Smart Grids and Smart Cities? The county does not explain this in the General Plan. It looks like they are hoping no one will research it. <https://www.rfwireless-world.com/Terminology/Advantages-and-Disadvantages-of-Smart-Grid.html>

30.3 Collaborate with utility companies to incentivize the underground siting of electrical and telecommunications facilities within public rights-of-way

This sentence is confusing because the county doesn’t want us to fully understand that in order to create “telecommunications facilities,” they must put Fibre Cable underground; hence, they use the wording “underground siting.”

“Fibre overbuilds in the 21st century are becoming a widespread problem, with more fibre cable being laid on streets than can ever be utilised by the residents. Not only does this often cause mayhem on the roads, with closures and roadworks slowing traffic, but Fibre overbuilds can lead to countless negative effects on the environment, and the eventual rise in cost to the consumer and developer.”
<https://pulsefibre.co.uk/2023/06/15/when-more-is-less-the-risks-and-downsides-of-overbuild/>

The county is not focusing on the island's issues, like the fact we already have serious traffic issues. They want to create more traffic problems by laying down fibre cable that will create a "Broadband/Smart Grid," hence a Smart City, and they are explaining this to us by using minimal wording to confuse and obscure their true intentions.

This General Plan NEEDS TO BE OPPOSED because they want full control to be able to tell us how and where to live, in “unites” that are explained from the link I found above explaining the TDR program on page 80 and other pages throughout the GP.

They want to create a 5G "Broadband/ Smart Grid" on the Big Island without trying to solve the island's traffic issues but rather spend a lot of time and money creating more traffic by laying out Fibre Cable all over the Big Island to create their Smart City, and they are not even mentioning the health risks or are even trying to acknowledge them.

<https://electronics360.globalspec.com/article/11104/the-dangers-that-come-with-a-smart-grid>

Re: The Dangers That Come with a Smart Grid

#1

John Endres

2018-Feb-23 2:31 PM

“One very critical danger that comes with a "smart grid" was not mentioned: the adverse health effects from electromagnetic fields. Current estimates of people experiencing adverse health effects from wireless technology hover at around 5%--I am one of them. After the installation of a water utility smart meter at my place of work, I experienced an escalation of symptoms (over time) that started with headaches and ultimately culminated in a seizure (I lost control of my legs). One month prior to the smart meter installation I had a complete annual physical and was given a clean bill of health. I underwent a barrage of medical tests after a week of experiencing health symptoms (thyroid, EEG, MRI, etc.) and everything was normal. I did begin to feel some of the painful head and eye sensations (that I would feel near wireless sources) at the end of the MRI”.

The county does not acknowledge the health risks associated with their “Broadband/Smart Grid” plan, all the associated issues due to putting the fibre cables underground, or the fact that it will cost billions to create. They worded everything in their General Plan to sound like it would benefit everyone, and it wouldn't!

The county NEEDS to answer ALL of my questions in my last email I sent because they are NOT clear in what they are saying they want to do in their 2045 GP, and this plan CAN NOT go any further UNLESS WE ALL FULLY UNDERSTAND WHAT THEIR PLAN IS!

The county NEEDS to TAKE OUT ALL MENTION OF THE TDR Program because it violates our rights to live how and where we want.

The county NEEDS TO TAKE OUT ALL MENTION OF "Broadband/Smart Grid" and start solving traffic issues, and other island issues because this will cost billions, and add a lot more problems to the Big Island.

Thank you,
Rebecca Melendez

From: alicia.palmvalleyfarm.com
To: [WPCtestimony](#); [LPCtestimony](#)
Cc: alicia.palmvalleyfarm.com
Subject: Testimony requesting the County Council reject the 2045 General Plan.
Date: Monday, January 13, 2025 11:58:22 AM
Attachments: [IJREAM AMET_0006.pdf](#)

Aloha,

I appreciate your consideration of our testimony opposing the 2045 General Plan. While our elected officials reap their salaries, our volunteer commissioners are left to bear the brunt of the backlash. As President Franklin D. Roosevelt once said, "nothing happens in politics by accident." If something occurs, it is because it was planned that way.

We are under siege from attacks that provide their perpetrators with as much plausible deniability as possible, often attributing these events to natural disasters or climate change. While these factors play a role, they are being exploited with manufactured weather to target specific areas. The edges and outskirts are being demolished. The results are devastating: dry climates, floods, wildfires, water shortages, and homelessness. Our leaders and department heads offer only apologies, failing to take meaningful and protective action.

Conspirators succeed because we struggle to accept that some may wish to harm their fellow citizens. We must look around and plan ahead to protect ourselves.

Lawsuits have already shown that smart meters cause fires, yet they are ubiquitous across our islands. Who benefits from these technologies: the public or the "shareholders", as hinted at in the 2045 General Plan? There's a push to force us out of our homes and off our lands. We must investigate weather modification programs, smart meters, lithium batteries, and 5G cell towers, along with the bills and laws promoting a global agenda at the expense of local communities.

Notably, low sound frequencies can extinguish fires. A blast of 30 to 60Hz bass can effectively put out fires, leaving no environmental trace. Drones equipped with such capabilities could be invaluable in hard-to-reach areas. Why aren't they being used if water is truly scarce?

What harm would come from pausing the 2045 plan to allow further investigation and input from the local community? Most testifiers are happy to operate under the 2005 plan until further discovery. If we find value in our discoveries, we can promote positive change. It's about staying informed and making wise decisions, not blindly accepting potentially harmful technologies, land grabs, and mandates that ultimately cause the people great harm.

Mahalo,

Alicia Wills

Palm Valley Farm LLC, Papaikou & Hakalau, Hawaii

Fires Extinguished with Sound Waves

Several demonstrations and experiments have shown the potential of extinguishing fires using specific sound frequencies. Here are a few notable examples:

- Charles Kellogg (1926): A naturalist demonstrated extinguishing a gas flame using tonal vibrations produced by a large bow across an aluminum tuning fork. This method produced a screeching sound that could extinguish flames, suggesting that specific sound frequencies could disrupt combustion processes.

DARPA's Instant Fire Suppression (IFS) Program (2012): The Defense

Advanced Research Projects Agency (DARPA) showcased a system capable of extinguishing flames using sound waves. This project aimed to understand the potential of sound waves in military applications and demonstrated the effectiveness of low-frequency sound waves in suppressing fires.

- George Mason University Students (2015): Seth Robertson and Viet Tran, engineering students at George Mason University, developed a handheld extinguisher that uses low-frequency sound waves to put out fires. Their prototype, costing around \$600, uses an amplifier and a cardboard collimator to focus the sound waves, effectively extinguishing small, alcohol-fueled fires.

These demonstrations underscore the immense potential of sound frequencies, particularly low frequencies, in extinguishing fires by disrupting the combustion process and separating fuel from oxygen. This is not just a theory, but a tangible possibility that could revolutionize fire safety.

<https://youtu.be/uPVQMZ4ikvM?si=x6biMJ2UNhYo2kVV> George Mason University students extinguish fire with sound frequency.

Study of Acoustic Waves for Fire Extinguishment: A Review

Prof. S. R. Gore, Jay Uday Panchpor, Sumedh Mandar Vaidya and Kaivalya Sunil Patkar

[†] Department of Mechanical Engineering, MIT College of Engineering, Pune, Maharashtra, India
Department of Mechanical Engineering, MIT College of Engineering, Pune, Maharashtra, India
Department of Mechanical Engineering, MIT College of Engineering, Pune, Maharashtra, India
Department of Mechanical Engineering, MIT College of Engineering, Pune, Maharashtra, India

Abstract-

The need for innovation and modernization in fire extinguishing techniques is extremely necessary. Accidents caused due to fire are disastrous and can lead to irreversible losses. With the rising amount of dangers to the environment in various aspects, it is essential to avoid as much damage as possible. The existing techniques have been created considering only their efficiency in extinguishing fires and not considering the harms they can cause to the environment. Another area of concern is the disasters caused by fire accidents in space. The use of traditional chemical extinguishers in space is necessary to be avoided as much as possible. Study shows that sound waves could be one of the potential alternatives for extinguishing fires. Research is necessary in the development of a similar practical method of fire extinguishing and analyzing which frequency of sound waves gives optimum results. A possible reason for the flame extinguishment due to sound waves can be that the continuously altering high and low pressure waves when coupled with high air flow velocity cause disruptions in the air-fuel ratio at the flame boundary which leads to diminishing of the boundary.

Keywords: Fire Extinguishment, Sound Waves, Frequency, Environment Safety, Space

Introduction-

Current extinguishers contain different kinds of chemicals depending upon their application. Generally, they are pressurized with Nitrogen or Carbon-dioxide (CO₂) and when this pressure released on the fire, it extinguishes the fire. There are many such asphyxiating and extinguishing agents like water, potassium bicarbonate, foam etc. All these agents have a common property of leaving by-products (for dry chemical-based fire extinguishers) behind it. The waste materials generated by these methods can be toxic and their harmful effects are something that were never given a thought to. Innovative methods are necessary to minimize the generation of this waste. To deal with fire, we need to have extensive information about fire and its working on the Earth and in space.

Fire-

Fire is basically a chemical reaction which has fluctuating degrees of heat and light. It can sustain itself until it is deprived of any of its source materials. Fires need a combustible, inflammable material source and a sufficient amount of oxidizing agent to start. When this mixture comes in contact with a source of heat, a chain reaction takes place due to rapid oxidation. Fire consists of four elements: fuel, oxygen and a heating element in a proper mixture and a chemical chain reaction. These four elements are collectively referred to as the Flame Tetrahedron. Fire can be extinguished when it is deprived of any one of these elements. Asphyxiating agents deprive fire of oxygen, thus extinguishing it.

Application of Acoustic Waves-

Longitudinal waves are the waves in which displacement occurs in the same direction as, or in the

opposite direction to, the direction of propagation of the wave. They produce compressions and rarefactions as they propagate through any medium. Acoustic (longitudinal) waves interact with each other. This interaction can be expressed in two different categories: constructive and destructive interference. When these waves are superimposed on each other, the total resultant amplitude gives the sound pressure or particle displacement at the point of interaction. The resultant phase of the wave cancels or amplifies points along the wave. Sound waves consist of a recurring pattern of high-pressure and low-pressure regions moving through a medium. The compressions are regions of high air pressure while the rarefactions are regions of low air pressure.

Effect of Sound Waves on Fire-

The idea of fire being affected by sound waves was discovered as early as in 1858 by the American scientist, John LeConte. In 1900, a German physicist, Heinrich Rubens demonstrated the effect of sound waves on fire through his experiment known as the Ruben's Tube. It is necessary to understand first that acoustic or sound waves are basically longitudinal pressure waves. They tend to move in a back-and-forth (vibrating) motion so as to propagate. This motion can thus be utilized to drive away oxygen molecules from the fuel, thus extinguishing the flame. Secondly, as we know the Ideal Gas Law states that the change in pressure is directly proportional to the change in temperature ($PV = nRT$), when the pressure waves are directed at the source of the fire, they will decrease the pressure at the source and in turn decrease the temperature of the fire. Promising research and studies in this field were first carried out by DARPA (Defense Advanced Research Projects Agency) in USA. They

concluded from their research that "a threshold acoustic velocity must be applied to the flame in order to achieve extinction, rather than a specific frequency or acoustic pressure." However, it has been identified that this is not always the case. Frequencies between 0Hz to 10Hz do not prove to be effective in extinguishing flames, but frequencies between 30Hz to 60Hz show promising signs in the same. Combustion is a chemical process in which the substance rapidly reacts with oxygen and gives out energy in the form of heat and light. Acoustic fields have a significant effect on this process of combustion. When acoustic oscillations are combined with the vibrations of heat released from the fire, it alters the transportation process of combustion.

The light emitted by fire exhibits dual nature. Light can act as a wave as well as a particle. This wave-particle duality of light is the focus of our consideration. The pressure waves emitted in the form of sound affect the air particles by pushing and pulling them away from the source of the flame. Also, at the proper frequencies, the acoustic waves produced by the wave extinguisher are going through a process of destructive interference to interrupt the natural behaviour of the flame.

Fire in Space-

In outer space, fire reacts differently to that on the Earth. The fire formed in space has different shapes and properties due to presence of zero gravity. In space, fire flames are in the form of semi-circles with a blue colour flame. Fire spreads from one air molecule to the other. These air molecules act as heat propagation elements. This process of convection is done by ventilation fans in the space station. In space, the smoke caused by these fires is not directed towards smoke detectors and thus there is less chance of detection of fire at space stations. Being able to extinguish fires in space without the use of water or any other chemicals is a real boon, but on the other hand generating sound waves would require electricity and astronauts would need to see the flames to aim the sound waves at the exact point of source.

Ultrasound-

It has been seen that ultrasonic frequencies have an effect on the chemical kinetics of any chemical reaction. This high frequency (above 20000 Hz) is seen to cause excitation which will prove to aid combustion. It might also delay and perturb the chemical reaction which depends on the bonding for the chemical compound for the frequency under consideration. Actual effects of ultrasound for extinguishing flames have not been studied yet as optimum results were obtained for a frequency range of 60 Hz.

Experimental Procedure-

- 1) A tone generator is used for producing sound frequencies. Tone generator or a signal generator

is a device which converts electronic signals into sound frequencies. Source of the electronic signal is a DC current modified using integrated circuits. This signal passes through a coil located near a permanent magnet and connected to a flexible membrane. The signal causes rapid fluctuations in the surrounding magnetic field causing attraction or repulsion from the fixed magnet, thus inducing vibrations in the membrane to generate sound.

- 2) The sound waves are further directed towards a subwoofer. The subwoofer is essentially a system designed to play the lowest bass frequencies. It also has a built-in (active subwoofer) or an external (passive subwoofer) amplifier. The subwoofer particularly amplifies the low frequency signals (30 Hz to 40 Hz) which are necessary for this experiment.
- 3) The low frequency sound waves are further directed towards the vortex tube. A vortex tube is basically a cylindrical object which has a stretchable membrane on one side and is open on the other side. When sound waves are focused on this membrane, the membrane snaps forward and collides directly with the air molecules. This accelerates the air molecules towards the other open end and sets off a continuous series of high-speed collisions of air molecules. This rapid movement forms a stream or jet of air which is directed towards the fire. When the jet of air escapes the opening of the vortex tube into the still air outside, it forms a 'stable donut-shaped gaseous projectile'. This is called a toroidal vortex or vortex ring, hence the name vortex tube. The toroidal vortex is caused by the friction of the jet of air with the edges of the tube's opening and the slow-moving air outside the tube.
- 4) The stream of air escaping from the vortex tube thus proves useful in extinguishing fires as explained in the previous sections.

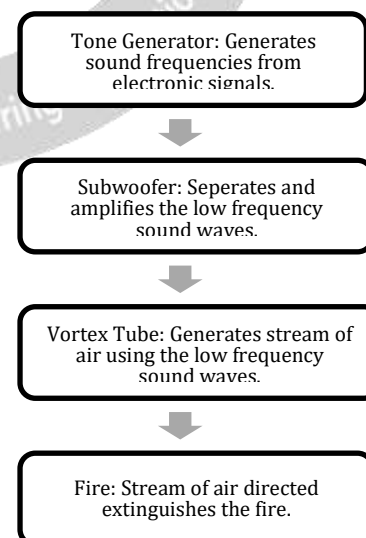
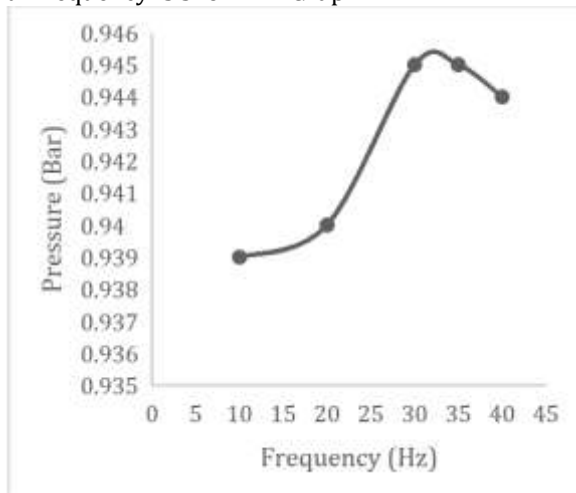


Fig.1 illustrates the experimental procedure using a block diagram as shown-

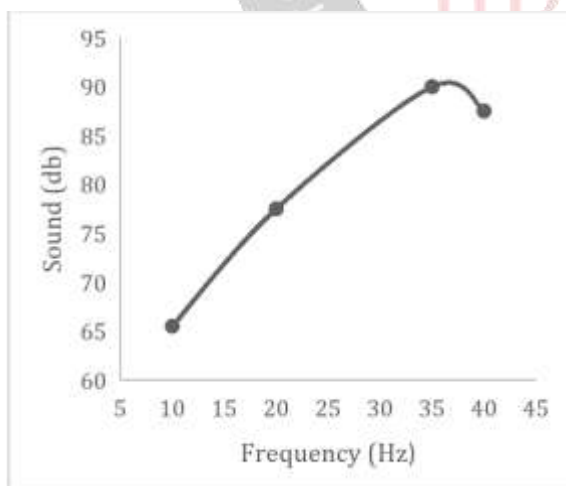
Experimental Results-

Sound waves significantly affect the fire extinguishing process. To evaluate the results, fire was exposed to various sound frequencies: 0Hz, 10Hz, 30Hz, 35Hz and 40 Hz. Variation of pressure, sound and acoustic velocity were evaluated with respect to the above chosen frequencies. Sound travels in the form of waves, which are simply variations of pressure in a medium. The energy from vibrating objects, such as speaker membranes, moves from particle to particle in the air in a repeating pattern of high and low pressure zones that is perceived as sound. It is found that the effective range was between 30 Hz and 40 Hz, within the range of human hearing. The effect of variation of pressure with frequency is shown in Graph.1.



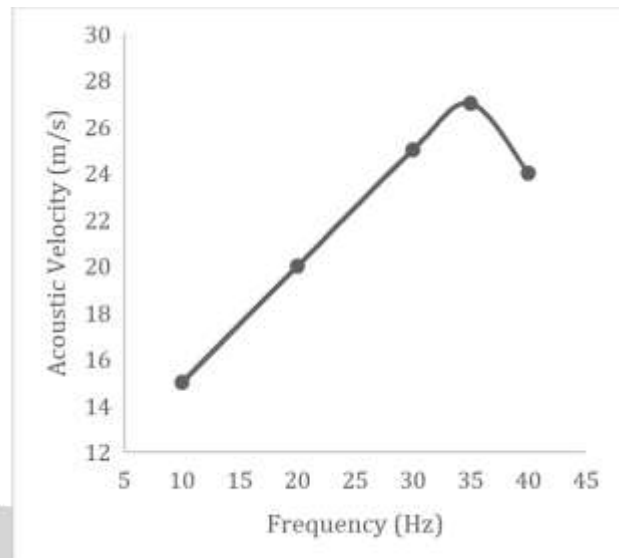
Graph.1 Variation of Pressure with Frequency

The effect of variation of decibels of sound with the frequency is shown in Graph.2.



Graph.2 Variation of Sound with Frequency

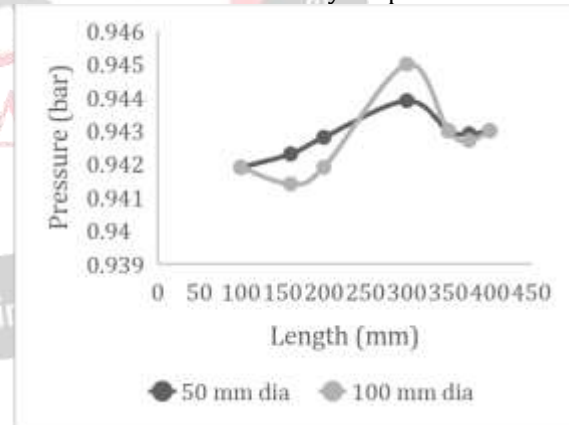
The effect of variation of acoustic velocity with the frequency is shown in Graph.3.



Graph.3 Variation of Acoustic Velocity with Frequency

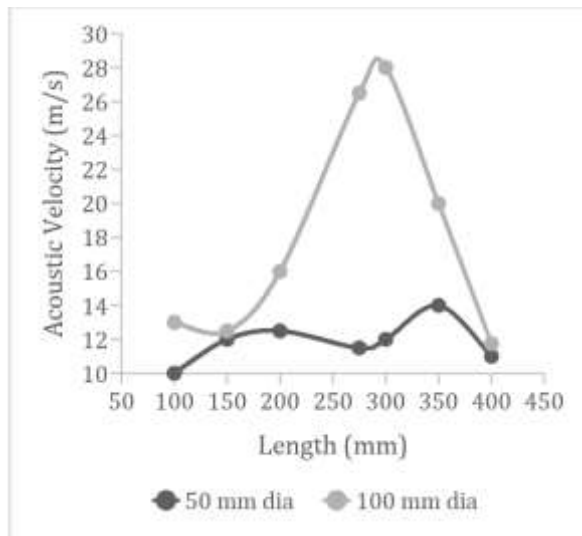
The research has also revealed the effects of important parameters such as the length to diameter ratio of the vortex tube on the acoustic velocity and pressure of waves which has also been used in this experiment. Experimentally, the geometry of the vortex tube was optimized considering important parameters. The chosen variations were 100 to 400 mm for length and 50 to 100 mm for diameter. It was found that the length of 300 mm and diameter of 100 mm show the optimum pressure, velocity and sound for extinguishing fires.

The effect of geometry of the vortex tube on the pressure has been illustrated by Graph.4.



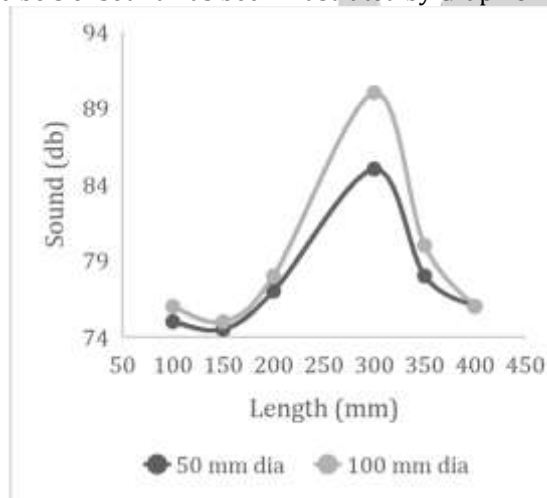
Graph.4 Effect of Vortex Geometry on Pressure

The effect of geometry of the vortex tube on the acoustic velocity has been illustrated by Graph.5.



Graph.5 Effect of Vortex Geometry on Acoustic Velocity

The effect of geometry of the vortex tube on the decibels of sound has been illustrated by Graph.6.



Graph.6 Effect of Vortex Geometry on Sound

Suggested Applications-

A few practical applications of fire extinguishing using sound waves have been suggested as follows. Further research is essential for their implementation:

- 5) Sound waves can be used for extinguishing fires with the help of drones. Sources of sound generation can be attached to the drones which can thus cover a large area in a small period of time and can also maintain their distance from fires for safety. This avoids the actual contact between humans and fires.
- 6) Installation of permanent automatic systems of fire detection and extinguishing using sound waves can result into quick response to fires and avoid their spread.
- 7) Traditional extinguishing agents like Nitrogen gas Carbon-dioxide gas (CO₂) can be coupled with the sound waves to increase the efficiency of fire extinguishing.

- 8) In space, the use of sound waves for extinguishing fires can prove to be very efficient. Avoiding the use of traditional fire extinguishers reduces the chance of addition of more space debris as sound waves will produce no waste by-products.
- 9) Sound waves can play a very important role in extinguishing fires in areas which are difficult for humans to approach. Sound waves can be aimed at the source of fire from a long distance and thus the spread can be avoided.

Conclusions-

From the above experimentation and research, we have thus reached the following conclusions:

- 1) Sound waves between the range of frequencies 30 Hz to 40 Hz have shown to have effect on flames and thus possess the ability to extinguish fires.
- 2) The vortex tube necessary to be included in the construction of this experiment has the following dimensions for optimization of extinguishing effect: Length is 300 mm and diameter is 100 mm.
- 3) Use of sound waves for extinguishing fires is an environment-friendly process as it doesn't include the use of chemicals which are traditionally used in fire extinguishers across the world. It also helps conserve the resources like water for their use in other applications.
- 4) This application of sound waves could prove to be a massive breakthrough and could make extinguishing fires very much safer for humans.

References-

- 1) Seth Robertson, Viet Tran, (2014-2015). Wave Extinguisher.
- 2) Yano, T., Takahashi, K., Kuwahara, T., and M. Tanabe (2010). Influence of Acoustic Perturbations and Acoustically Induced Thermal Convection on Premixed Flame Propagation. *Microgravity Science and Technology* (22), pp.155-161.
- 3) Snyder, A. (2008, January 24). When Fire Strikes, Stop, Drop and... Sing? (*Scientific American*) Retrieved March 16, 2015.
- 4) Hood, C., & Frendi, A. (2005, June). On the Interaction of a Premixed Flame with an Acoustic Disturbance. In 41st AIAA/ASME/SAE/ASEE Joint Propulsion Conference & Exhibit (pp. 1-10).
- 5) Akanksh Sarji, Mohan Ram R K, Uttunga H R. (2015-2016) Development of portable fire extinguisher using acoustic waves.
- 6) Shaik Salauddin, Paparao Nalajala, Bhavana Godavarthi. (2016) Sound Fire Extinguishers in Space. *International Journal of Advanced Trends in Computer Science and Engineering*, Vol.5, No.1, Pages: 85 -87.
- 7) Sonochemistry. (n.d.). Ultrasound in Organic Chemistry. Retrieved October 19, 2014.
- 8) Fire Safety, Part 1: About Fires and Fire Types. (n.d.). About Fires, Part 1. Retrieved October 16, 2014

- 9) Simon DM, Wagner P., (1956) Characteristics of Turbulence by Flame Combustion Space and Space Heating, "Journal of Industrial and Engineering Chemistry", 1, 12
- 10) Wilczkowski S., Szczówka L., Radomiak H., Moszoro K., How to extinguish the flames waves acoustic, national patent No. 177,792.
- 11) Poisot T., Yip B, Veynante P., A. Trouve, Sa-Mani JM, S. Candel, (1992) Zero-g acoustic fire suppression system, "Journal de Physique III" 2, 1331.
- 12) plaksa D., Nelson E. Hyatt N., Espinosa J. Coley Z., Tran, C., Mayo, B. (2005), "Journal of the Acoustical Society of America", 118, 1945.
- 13) Mikedi, K., Stavrakakis, P., Agapiou, A., ... (2013). Chemical, acoustic and optical response profiling for analyzing burning patterns. *Sensors and Actuators* (176), pp.290-298.
- 14) Dattarajan, S., et al.: (2006) Acoustic excitation of droplet combustion in microgravity and normal gravity. *Combust. Flame* **144**, 299–317
- 15) Tanabe, M., et al.: (2000) Influence of standing sound waves on droplet combustion. *Proc. Combust. Inst.* **28**, 1007–1013
- 16) Prasad, K., (1994) "Interaction of Pressure Perturbations with Premixed Flames," *Combustion and Flame*, Vol. 97,, pp. 173-200.
- 17) Peters, N. and Ludford, G.S.S., "The effect of pressure variations on premixed flames," *Combustion Science Technology*, 34, 33 1.
- 18) Ledder, G., and Kapila, A.K., (1991) "The Response of Premixed Flames to Pressure Perturbations," *Combustion Science and Technology*, Vol. 76, pp. 2 1-44.
- 19) Frendi, A., (2003) "On the role of Acoustic Coupling on Combustion Instabilities," AIAA-2003-3181, Hilton Head, South Carolina,
- 20) Wu, X., Wang, M., and Moin, P., (2001) "Combustion instability due to the nonlinear interaction between sound and flame," *Center for Turbulence Research*, Annual Research Briefs.
- 21) Umurhan, O.M., (1999) "Exploration of fundamental matters of acoustic instabilities in combustion chambers" *Center for Turbulence Research*.
- 22) Lee, D.H., and Lieuwen, T.C., (2001) "Premixed Flame Kinematics in a Longitudinal Acoustic Field", AIM-01 - 385 1, Joint Propulsion Conference.
- 23) Harper, J., Johnson, C., Neumeier, Y., Lieuwen, T., and Zinn, B.T., "Experimental Investigation of the Nonlinear Flame Response to Flow Disturbance in a Gas Turbine Combustor," AIA-0 1-0486.
- 24) Kumagai, S., Isoda, H.: (1955) Combustion of fuel droplets in a vibrating air field. *Proc. Combust. Inst.* **5**, 129–132
- 25) Wnęk W., Kubica P., Basiak M., (2012) pro Standards designing sprinkler extinguishing systems- A comparison of the main parameters, "Safety Fire & Protection and Technology", 27, 83.
- 26) Radwan K., Ślosorz Z., Rakowska J. (2012) Effects environ-petroleum- environmental contaminant removal derivatives, "Security and fire engines Technique", 27, 107.

From: [Dan and Shannon Fisher](#)
To: [LPCtestimony](#)
Subject: Revise Hawaii island General plan, 2045 testimony
Date: Monday, January 13, 2025 7:51:24 PM

Aloha Commissioners,

We reject this County of Hawaii General Plan, 2045 that has been submitted. Please vote to reject this plan from moving on. Some reasons this plan needs to be changed;

1. Climate change agenda or more specifically, climate crisis.

There are many, thousands of scientists who do not believe the world and especially Hawaii is in a climate crisis and the 2045 plan should not revolve around these issues when planning for our families future. There is no absolute proof that we are in crisis. In fact there is evidence of weather manipulation all over the world especially when it pertains to these "climate crisis" events.

<https://clintel.org/wp-content/uploads/2024/10/WCD-241023.pdf>

2. The County Office of Sustainability, Climate, Equity and Resilience is DEI and is dangerous to our sovereignty as citizens of the United States of America and in Hawaii.

On page 188,

40.8 Require all County departments to collaborate with the County Office of Sustainability, Climate, Equity, and Resilience (OSCER) as the lead agency to ensure the integration of the County's goals of sustainability, climate resilience, and equity into all county operations and planning initiatives.

Has this agency helped Hawaii citizens to get faster, more streamlined approvals on building permits? This would be an important agenda above climate resilience and equity.

The OSCER department can null and void all public input and leave decisions to unelected officials. I do not think this department acts in the Hawaiian pono way as is described in this HI General Plan 2045 glossary.

Please consider more community input that can help Big Island continue to grow in beauty and in grace considering our future keiki. Our children are unable to purchase land or house in this horrible economy. Consider ways we can streamline the building process, allowing the Ohanas again will help.

We need to promote more farming. Give incentives to those who can produce and in so doing sustain our communities. Having access to fresh foods and implementing ways to feed the island more than importing.

Improving the infrastructure on Big Island including the public transportation system. Creating jobs by building recycling centers that truly break down and recycle the electronic components and or automobiles/parts similarly instead of filling up a container and shipping these things to the mainland. Also, "green" batteries are not recyclable and dangerous to everyone. The "green scam" is not good anywhere.

We have a shortage of doctors and specialists on the island. We can improve in these areas, not making more green spaces for people to walk in circles and be limited to their 15 minute smart city. Please see the link below and it's contents referring to revisions;

https://www standtogetherhawaii.com/_files/ugd/86fc0c_b34739e4c99c461685de4c0207bf286e.pdf

Mahalo for your attention to our concerns and for your understanding to the many concerned citizens who reject this plan.

Dan and Shannon Fisher
808-345-4449

From: [jason.klahr](#)
To: [WPCtestimony](#); [LPCtestimony](#)
Date: Monday, January 13, 2025 7:53:09 PM

Aloha Commissioners,

The Big Island Plan cannot go through the way it is designed. It is hard to believe any local helped design this plan.

Here are some concerns:

There is a huge part of the plan dedicated to "Climate Change". However, why do most experts state there is NO climate danger? [Climate Experts Speak Out Against Climate Danger Click Here!](#)

The word "Stakeholder," defined in the plan, is written 86 times and literally means anyone in the entire world can have input on this plan.

Please recommend Stakeholder change to the following: "Local Communities". Local Communities are local Big Island farmers, homeowners, renters, organizations, businesses, and individuals who live on Big Island or have property on Big Island that will be personally affected by projects, decisions, or activities in the general plan. Effective local community engagement and management are crucial for the success and sustainability of any initiative, as it helps ensure that diverse perspectives and interests are considered.

The OSCER Department in the plan will null and void all public input and leave decisions to unelected officials. This is NOT okay! This department should not be created. This is on page 188, 40.8.

The Planning Department has sent out letters to many homeowners telling them their land use will be changed from resident to recreation due to the General Plan 2045. This will drastically lower their property value and open the door to rezone the area. This is not pono. It breaks the Aloha Spirit law § 5-7.5. To reduce someone's property value is not okay. This must be made pono again.

There is a huge section on climate change and things that will be affected. This needs to be further researched. There are over 1900 credentialed scientists that say there is no climate danger. Here is the pdf showing the scientist and what country they are from. <https://clintel.org/wp-content/uploads/2024/10/WCD-241023.pdf> John Coleman, the first weatherman for Good Morning America and the Founder of the Weather Channel has gone on CNN and other media outlets stating, "There is no climate danger". He explains the reason for this narrative is the investors, in renewable energy, want to make these changes.

Hilo does not have a Community Development Plan. How can a Big Island General Plan move forward without that? Hilo is 22% of the island.

1.13 under "Increase the biodiversity and resilience of native habitats" reads, *"Incentivize private land management practices that protect and enhance natural resource values and, when appropriate, pursue the acquisition of lands for the protection of natural resources."* "Incentives" mean more taxes. "Protection" means more rules. Who's "values" is this plan referring to because it's not the locals?

"Pursue the acquisition of lands" does this say they are going to pursue taking people's private property? Again with "protection of natural resources". This plan should be focused on people growing more food and it is doing the exact opposite!

This plan wants to turn land into "conservation". The exact opposite is what is needed for Big Island! We need to turn land into Ag Villages and grow more food! Steve Shropshire, a resident of Papaikou, has created an Ag Villages plan.

Ag Village to add to the General Plan:

Papaikou Ag Village Objectives:

https://www.standtogetherhawaii.com/_files/ugd/86fc0c_2cb1cc6d604f4cdd971ad40831c745bc.pdf

Papaikou Site

Plan: https://www.standtogetherhawaii.com/_files/ugd/86fc0c_5e4cdb02efeb46a5ae949a3579aff00d.pdf

Papaikou Development:

https://www.standtogetherhawaii.com/_files/ugd/86fc0c_c2af52c8b3c645b1a6868a724eee8304.pdf

A Hawaiian born Kanaka revised the Collaborative Biocultural Stewardship that is in the plan. You can

see it in the pdf below:

Part

One:https://www.standtogetherhawaii.com/_files/ugd/86fc0c_0a1d5be8f1d140069415f7b691725786.pdf

Part Two: [https://86fc0cbd-8207-4076-85fa-](https://86fc0cbd-8207-4076-85fa-5a62e4e933b4.usrfiles.com/ugd/86fc0c_ecc498ba192d4a7689ebf31c3681c2ec.pdf)

[5a62e4e933b4.usrfiles.com/ugd/86fc0c_ecc498ba192d4a7689ebf31c3681c2ec.pdf](https://86fc0cbd-8207-4076-85fa-5a62e4e933b4.usrfiles.com/ugd/86fc0c_ecc498ba192d4a7689ebf31c3681c2ec.pdf)

Here is a longer revised version of the plan from locals:

https://www.standtogetherhawaii.com/_files/ugd/86fc0c_b34739e4c99c461685de4c0207bf286e.pdf

The way this plan is written is very far from what will support our island. Please implement changes in this email before moving forward.

Mahalo,
Jason Klahr

From: [Jileen Russell](#)
To: [LPCtestimony](#)
Subject: County Plan Revision Opposition
Date: Monday, January 13, 2025 9:16:04 AM

To Whom it concerns:

I am a resident of the State and County of Hawaii I oppose the entire County plan and its revisions in favor of development of the land and exploitation of the resources of our island.

I am a Farmer and a Rancher and a business owner in the State and County of Hawaii and in the District of North Kohala.

I opposed so many aspects of the proposed County plan that it becomes an overwhelming amount of confusion and sheer wonder as to who it is that is dreaming up these ideas for the future of Hawaii County. We need to look toward the future with ideas of conservation of land, strong agricultural practices and preservation of the culture it maintains and allows more of our Children to stay and work in Hawaii.

If COVID taught us anything it taught us that the economy of Hawaii can not exist on tourism and becoming a retirement colony for mainlanders. We need to feed and provide healthcare for the people who live here and if the boats stop because of any catastrophic event or economic collapse as they have 2-3 times in the last 25 years we are in need of a County that can respond to the needs of the Residents of Hawaii and Hawaii County.

Go back to your table and figure this out because this plan might work for the Mainland Counties of the Continental USA but it is not for us. If you are relying on the advice and control of the Businesses of Contractors and HELCO and US Federal Government to tell you how to make this plan then you are sorely mistaken and need to ask the people of Hawaii to vote in an election on the sweeping changes you propose to the land and the livelihoods of the people of Hawaii. You do work for us, we pay your salary.

With the respect to the difficulty of the job you have signed up for,
Jileen Russell

Pu'u O Kumau Ranch

From: [kanaloaleohano](#)
To: [WPCtestimony](#); [LPCtestimony](#); [Kimball, Heather](#); [Council Testimony](#); [Planning General Plan](#); [Planning Internet Mail](#); [Roy, Alex](#)
Subject: TESTIMONY regarding PROPOSED general plan for HAWAII County / Island
Date: Monday, January 13, 2025 5:52:49 PM

1. The entire thing needs to be re-done by people who love people -- not profit, that is by people who work from the SPIRIT of the State Constitution section 5-7.5 regarding ALOHA SPIRIT. To quote: "Aloha" means mutual regard and affection and extends warmth in caring with no obligation in return. The current draft involves people in power who are seeking to line their own pockets. Stop. **Seriously, dump the whole thing.** IT IS OBVIOUSLY WRITTEN BY SOMEONE IN THE PAY OF Blackrock, Vanguard, Gates, Soros, or any number of other disgusting, money-printing entities. The core of the document is: "The County's desired land use development pattern." THIS IS NOT FOR THE COUNTY TO DECIDE !!!! As noted in #11 below: Our micro-climates are so vast and varied there is NO CHANCE that anyone at the County level would know what needs to go where. THAT CAN ONLY BE LEARNED BY LIVING ON, BY WALKING, THE LAND. Leave people to make their OWN DECISIONS about what to do with their own land.
2. The State, and the County, have NO RIGHT TO ACQUIRE LAND !! and any reference to such in this proposed document should be removed!!! And, the State has NO RIGHT to any County property, and none should be handed over without agreement of ancestral owners and local residents, and NO HARBOR SHOULD BE HANDED TO THE STATE. Remove any reference to "Hawai'i State Wildlife Action Plan" as it has NO RELEVANCE for our island and the State should NOT BE MANAGING our island.
3. There is no such thing as "climate change" caused by humans, and anything referring to such should be entirely removed. <https://clintel.org/world-climate-declaration/> Remove ANY reference to "carbon footprint", "net zero", "greenhouse gas", "green infrastructure" and / or "climate adaptation". Remove ANY reference to "decarbonizing."
4. Remove the section 2.2 Biocultural Stewardship Goal (1.13) because Maui has shown the pain, suffering and financial loss such government over-reach leads to.
5. Remove the section 17.4, Page 111, because a person applying for land use clearance should not involve the government attempting to grab their land.

6. Remove the word "stakeholder" from everywhere it appears, and instead use the words "homeowner" or "farmer".
7. Leave the zoning alone. Leave it alone.
8. Remove ANY reference to "digital literacy" and its related "5G"-type insanity. BETTER TO PUT SOMETHING ABOUT "FARMING LITERACY" OR "FISHING LITERACY" OR "HUNTING LITERACY". Remove ANY reference to prioritizing digital above actual. There is nothing in this proposed document about PRIORITIZING FARMING, FISHPOND CARE AND MAINTENANCE, and ECONOMIC DEVELOPMENT and THERE SHOULD BE !!!!!
9. Remove the words "equity" and "equitable" from everywhere they appear. We need EQUALITY of opportunity, NOT equity of results !!!! People need to work for what they get, and people who have worked and succeeded need to keep the fruits of their labors. THERE WILL NEVER BE EQUITY, LEGISLATED OR NOT!!!! "Safe and affordable utilities" are NOT a right! People need to work for what they get!
10. Remove the word "sustainability" from everywhere it appears. This is NOT something that can be regulated into existence!!! It is a loosey-goosey term that has NO SCIENTIFIC PARAMETERS, NO EFFECTIVE DEFINITION for anything to do with lawmaking !!
11. Remove ANY proposed regulation that would increase restriction or result in ANY fee to a farmer. We need food !!
12. Remove ANY proposed requirement for a permit. We have too many of these already.
13. Remove ANY reference to "incinerator" -- "waste-to-energy" or ANY other use. NO resident wants such, and we have stated such in the past UNEQUIVOCALLY.
14. Remove ANY proposed map of land use. Our micro-climates are so vast and varied there is NO CHANCE that anyone making a map would know what needs to go where. THAT CAN ONLY BE LEARNED BY LIVING ON, BY

WALKING, THE LAND. Leave people to make their OWN DECISIONS about what to do with their own land. Remove the word "conform" any time it has ANYTHING to do with private land use.

15. REMOVE 32c and 32p and 20e because all have to do with the heinous, despicable, insane, terrible, egregious concept of "smart" cities. In fact, remove EVERYTHING that has ANYTHING to do with the "SMART" acronym and / or idea.
16. Remove ANY reference to digital currencies.
17. Remove ANY reference to clusters of population, or "site clustering of development". This island is NOT THE PLACE for such ideas. We are farmers. REMOVE section 4.5.1. Remove ANY reference to population density or "clusters". This island is NOT THE PLACE for such ideas. ALSO, IT IS INSANE TO PRIORITIZE WALKING AND BICYCLING OVER CARS ON THIS ISLAND. No farmer is going to walk or bicycle to get his / her produce to market !!!!
18. Remove ANY use of the word "resilience." This is a psychological term that has NO PLACE in a government document.
19. Close down the County Office of Sustainability, Climate, Equity, and Resilience (OSCER) as NOBODY VOTED FOR THIS OFFICE TO BE STARTED. Remove ANY reference to such office from the proposed general plan.
20. Remove ANY reference to "incentive" in regard to taxes on people's land, such as to "incentivize" them to build "affordable" housing. This is a COMPLETELY WRONG way to get "affordable" housing built. MUCH MORE IMPORTANT would be to "incentivize" clean industries to move to our island, where people would be able to get employment to AFFORD good housing. In fact, THERE IS NOTHING IN THE DOCUMENT TO SUPPORT ECONOMIC GROWTH !!! WHY NOT?
21. Remove ANY concept that would involve "inspection" or "surveillance" or "inventory" of land.
22. Housing developers should not be released from requirements to build infrastructure and should have to post a bond, so we stop having them "get

away with" never completing promised roads, etc.

23. Prohibit 5G, or 6G, or whatever they come up with that is similar.
24. All current use of septic or cesspool should be grandfathered-in, with only changes made at a market-rate sale of a property. There are VERY FEW areas where household waste water affects the ocean or inland water. Take care of those few places, leave everything else alone. And this has NOTHING to do with centralized wastewater -- not on our lava-rock island!!! In fact, there should be an AUDIT of CURRENT centralized wastewater facilities, as there are problems with some of them!!!
25. Get Pohakuloa Military Base to stop polluting. NO "TREATED" WASTEWATER for any food or farming use.
26. Pohakuloa Military Base gets its land for a dollar a year and shoots weapons directly above our island's largest aquifer. Get them to stop!
27. Remove ANY reference to incentivizing or regulating water use. THIS IS NOT THE PLACE FOR SUCH. We have water-use people already taking care of this. "Water commitments" are something the DWS should take care of -- or individual bills introduced to remedy any problem.
28. Remove the phrase "circular systems". This is a concept only vaguely defined and certainly without any solid demonstration of its use.
29. Remove the phrase "Vision Zero" as it has NO RELEVANCE for our island.
30. Remove the phrase "One Water" as it refers to a North America group and has NO RELEVANCE for our island.

WHAT ALREADY HAS BEEN SAID, AND I REPEAT:

General Plan 2045 references 'economic growth' but does not discuss in any way the drivers of the economy. It SHOULD be a study and plan, on how best to support:

Farmers

Producers of Goods

Providers of Services

.....so we can build a great economy together.

Rather, it seeks to: restrict, impose fees, place taxes ... pays attention to airport terminals and harbors, transportation and urban development -- nothing that is alive and producing value for our economy, but tools that are needed by people who ARE alive and producing, so should not be used as a way to rake in money for civil servant salaries.

Supposedly a plan about development, it barely mentions the Farmers, Producers of Goods, Providers of Services, barely mentions:

Agriculture

Commerce

Industries

Jobs

Economic Activities

It wants to make everyone walk, ride a bike or take a bus.

Nuts.

Dump the whole thing.

From: [mardi strong](#)
To: [LPCtestimony](#)
Subject: The general plan is a flop
Date: Monday, January 13, 2025 9:27:12 AM

My name is Mardi Strong And I'm here to tell you that your general plan sucks it is ridiculous to think that you were trying to trample over human rights telling humans how to live on their own properties but you're trying to take away their constitutional rights as well that's not going to work . Why the government whoever the talking heads are committee you know who they are they're your friends to people on the committee are you happy about what you're doing pretending to care that all the thousands of people who got torched up in the Lahaina kill zone are you happy that you're sitting up here accepting the money you do for your job knowing that you helped facilitate the murdering of thousands of innocent people how do you sleep at night knowing that you were just here to push their agenda does this make you happy does this pay your rent why are you on the committee what kind of perks do you get because you guys need to be blamed for a lot of things like what is being done about the pigs there who were blocking the roads to keep people from exiting the fire zone what's being done about that are those pigs fired do those pigs keep their job for help facilitating the murder of thousands of people during a crisis at that now if I would have had my truck I would have bulldozed right through those cars so everyone else could get out behind me that's just kind of person I am but I wasn't there and you're trying to make Hawaiians just accept the fact that this is how it's going no they don't have to just accept it they can stand up and fight against it because what you're doing in this little general plan is trying to take away the Hawaiian out of the people you're trying to erase Hawaii out of Hawaii turning it into a corporate funhouse for who people with money what about the people who live there you expect them to just be hospitality people smile to the people that's a bunch of BS more Hawaiians need to get to these meetings and speak up let the committee and their stakeholders hear what you have to say because I'm going to say I want to know who all the stakeholders are I want their names their corporations and what part of this agenda are they pushing because murder was part of the plan and there should be some kind of consequence for murdering thousands of people for new housing oh dear committee you are not off the hook you are part of the problem along with some other government officials from Hawaii they are corrupt and they need to be dealt with swiftly and let them never be in public arenas again so dear committee you people sitting up here is your job worth sitting there pretending like you care because if you did care you would be sticking up for the people not pretending to care but I'm going to say it karma knows who you guys are, And Karma knows where you live and Karma is gonna come back and come after you for doing harm to the humans and animals on Earth you will have a price to pay karma will see to that are you ready for karma. And I do hope you read this out loud because the people need to know what people are thinking I'm not afraid to speak no one should be afraid to speak anything at this point the government should be very afraid to speak and they are that's why we got crickets

From: [Mele Akua](#)
To: [LPCtestimony](#); [WPCtestimony](#)
Subject: General Plan 2045 Testimony - Geoengineering
Date: Monday, January 13, 2025 2:46:24 PM

Aloha Leeward Planning Commission and Windward Planning Commission:

Hawai'i County General Plan 2045 is based on reducing the effects of "Climate Change". Yes, it is man made, but not in the way we're told (that there are too many people) as you've heard in multiple testimonies. It's the result of weather modification through the covert use of technologies, or Geoengineering, which has resulted in severe harm to our climate. Please consider the information below from <http://www.GeoengineeringWatch.org>

It provides numerous references.

The basis of General Plan 2045 is a scam, please postpone and revise it based on the suggestions you've been given in public testimonies.

Mahalo!

GEOENGINEERING

- What if there were a monumental environmental threat that you didn't even know was happening?
- What if you found out it is affecting your health and that of people you know and love?
- What if you knew it was such an enormous problem that it has the potential to destroy our crops and trees, the soil they are grown in, our entire water supply, and whole ecosystems – and that if you didn't act, we could never turn back?

We are *not* talking about fracking, nuclear energy, or the oil industry. We're not even talking about climate change.

What if it came into use in an insidious way, just as GMO foods have come into our food supply without our knowledge? What if it appeared to be harmless, but it wasn't? And what if it were so cleverly woven into our culture that we didn't even see it anymore? What if it were so masterfully stigmatized and wrapped in controversy that if you thought it strange or concerning, you'd be scorned or ignored?

It sounds like science fiction, but it's not. It's happening right above you, and it's called "geoengineering".

You can find articles and debates in which scientists are proposing to "dim" the sun to slow down climate change, using a technique called "Solar Radiation Management" (SRM). Their concept is to mimic the dimming and cooling

effects of a volcanic eruption and existing particulate pollution made by human activity. However, it has been out of the proposal stage for quite some time, and even though officials will not admit it, SRM is already in full-scale operation.

SRM sounds like a viable solution to slowing climate change, and scientists have repeated how “cheap” it is over and over again. But it comes with a price. In fact, it comes with many.

Global climate engineering/geoengineering programs are radically disrupting weather patterns, disrupting the hydrological cycle (causing drought in some areas, flooding others), destroying the ozone layer, and contaminating the entire planet with the toxic fallout from these atmospheric spraying operations.

Climate engineering programs have been fully deployed for many years. There is a mountain of hard science data and film footage to back up this statement of fact.

If you're concerned, take a few minutes to view the trailer to “Look Up”, a newly released, award winning documentary, narrated by William Baldwin. It is an excellent introduction to the issue of ongoing climate engineering / geoengineering.

We have included articles and information that will shine more light on this extremely important issue, one that is radically affecting our planet's life support systems, and every one of us. Our only goal is that you will review what we have included, and we hope it will motivate your continued investigation of the completely illegal, unregulated, and incredibly devastating climate modification programs that are being conducted on a global scale.

YOU CAN LEARN MORE AT:
WWW.GEOENGINEERINGWATCH.ORG

“Climate Engineering, Weather Warfare...” <http://www.youtube.com/watch?v=5yZhh2leRJA>

“The Most Important Topic of Our Time” <http://www.youtube.com/watch?v=a2x6TEeknfo>

You can find more documents and many pictures on these links:

- Wonderfest 2010, discussing Solar Radiation Management. Select 08 below video <http://tinyurl.com/oyd84v3>
- Global Research article: <http://tinyurl.com/bxy5yqy>
- Monsanto Buys Climate Corporation <http://rt.com/news/monsanto-buy->

[climate-corporation-687/](#)

- Council on Foreign Relations article: The Truth About Geoengineering
<http://tinyurl.com/n6x8va6>
- But is it really sulphurs they're talking about using? What about aluminum? https://www.youtube.com/watch?v=nmGRy_cCiZw
- Why would aluminum be a problem?
<http://www.lenntech.com/periodic/elements/al.htm> (and it can never be removed from our soil.)

Still not convinced weather modification is taking place or has been used in the past? Click on the links below.

- <http://www.globalsecurity.org/military/ops/popeye.htm>
- 93rd Annual American Meteorological Conference, January 2013
- See page 6, Section 2.6 "Seeding of Cirrus Clouds to Reduce Global Warming" <http://tinyurl.com/lqhu7ql>
- Weather Modification Inc. www.weathermodification.com (They see "potential". We're concerned about that.)
- North American Weather Modification Council www.nawmc.org (We're concerned about this, too.)

WHAT CAN YOU DO?

PLEASE, FORWARD THIS LETTER TO EVERYONE YOU KNOW.

**WE ARE FAR BEYOND THE POINT WHERE WE CAN WORRY
ABOUT WHAT PEOPLE THINK OF US.**

**OUR PLANET HAS NO CHANCE IF WE DO NOT RAISE
AWARENESS AND SPEAK OUT.**

From: [Mele Akua](#)
To: [LPCtestimony](#); [WPCtestimony](#)
Subject: POSTPONE & REVISE GENERAL PLAN 2045 TESTIMONY
Date: Monday, January 13, 2025 2:30:28 PM

Aloha Leeward Planning Commission, and Windward Planning Commission:

Please postpone the General Plan 2045 going to the County Council this year, and advise the Hawai'i County Planning Department to increase their efforts to let everyone on the Big Island know about the Plan. They said they tried hard to get the word out, but their efforts have FAILED. When we ask people if they know about the General Plan, they ALWAYS say "No, what's that?" This General Plan 2045 development process has lacked transparency; therefore, Big Island residents deserve more time to learn about and comment on the Plan. This Plan will result in new regulations, laws and taxes ALL of us will have to live under, including you Commissioners, and it is NOT FAIR that practically no one knows about it. The new Laws and Taxes based on General Plan 2045 as it is, could further increase the cost of living here. No one would want that! The Plan needs to be revised!

And please reschedule a WPC General Plan meeting in January for Hilo. It is not Pono to take away an opportunity to learn about General Plan 2045 and to testify from the people of Hilo and on the Windward side.

Government is supposed to work for we the people, not the other way around. I pray that you are considering our testimonies, and hear our requests to postpone General Plan 2045 going to County Council, or stick with the 2005 General Plan.

Commissioners, you say you represent us - please make decisions that protect our RIGHTS and FREEDOMS!

Mahalo!

From: [Rebecca Melendez](#)
To: [WetChampong; LFCnet@monro; Planning General Plan](#)
Subject: Testimony to Please OPPOSE General Plan
Date: Monday, January 13, 2025 8:22:56 PM

This General Plan is highly vague at times. In some of their explanations, they do not use the exact title but abbreviations, which takes time to research what they want to implement. They should have these abbreviations in the glossary

Big Island County 2045 General Plan <https://www.planning.hawaiicounty.gov/.../638597487229830000>

Pages 80, 82 & 87 mention the TDR Program

9.f Study the feasibility, issues, and opportunities related to the development of a TDR program to strategically preserve open space and achieve density to remain consistent with the land use pattern in accordance with the General Plan Land Use Maps.

TDR is the Transfer of Development Rights (the county GP does not let us know this. I had to research to find out what TDR meant)

"A TDR program seeks to preserve landowners' asset value by moving the right to build a house from a location where development is prohibited (e.g., for environmental reasons) to a location where development is encouraged."

The county will decide the "environmental reasons" for incorporating land into the TDR program, which aims to give them full control over all the lands on Big Island and tell us where we can live by "prohibiting" areas from development.

"In the place where development is encouraged under TDR, zoning is changed to permit more units to be built." This sentence explains that a TDR program builds "units" and gives the county full rights to tell people where they can and cannot build homes through their TDR program.

"Because the money from this change in zoning is a windfall to current landowners in the development zone, the state is justified in laying claim to this money and turning it over to people whose development rights were taken away as a result of the environmental regulation."

https://njaes.rutgers.edu/highlands/transfer-development-rights.php?fbclid=IwZXh0bgNhZW0CMTEAAAR2oM9RMwZPEYcQr6caNxt8RgLeBN3sJxBgaEBt7qO6VzR_wnGkmCnSWreE_aem_1ZCug_WZHs82MykEkHL3qw

Page 79

9.3 Zoning, subdivision, and other applicable ordinances shall provide for and protect open space areas.

What does the county mean by "other applicable ordinances"? Because an Ordinance is "a [law](#) or [rule](#) made by a [government](#) or [authority](#)" What other rules does the county want to put on ALL of us?

<https://dictionary.cambridge.org/dictionary/english/ordinance>

9.4 Support mechanisms, such as PUD (Planned Unit Development; the county doesn't mention what this stands for; I had to research it) and Cluster Plan Development (CPD), that group parcel density to preserve open space, recreational areas, or scenic viewsheds.

Forbes.com "A planned unit development, or PUD, is a community of single-family homes, and sometimes condos or townhomes, where every homeowner belongs to a homeowners association (HOA)."

<https://www.forbes.com/advisor/mortgages/what-is-a-planned-unit-development/>

This General Plan seems to be trying to incorporate HOAs. The HOA fees would then go to the county, right?

General Plan Page 87

Everything below is to enforce their TDR program.

13.1 Encourage flexibility in the design of residential sites, buildings, and related facilities to achieve a diversity of socio-economic housing mix and innovative means of meeting the market requirements.

13.2 Prioritize increase in density, rehabilitation, and redevelopment within existing zoned urban areas already served by basic infrastructure, or close to such areas.

13.4 Encourage the rehabilitation and/or utilization of maximum density in multi-family residential areas.

13.8 Focus on medium- and high-density residential and commercial uses in communities that can sustain a higher intensity of uses and where consistent with **General Plan Land Use Map** and existing town character

13.9 Support the **rezoning** of land to multiple residential near places of employment, retail, utilities, and educational, recreational, cultural, and public facilities.

The **GP Land Use Map** has already sent letters to private landowners saying they have "**Rezoned**" their Land Use Titles. Some Land Use Titles are now recreation lands that the landowner cannot pass on to their family or sell.

Who gives the county this right to change Land Use Titles? How is this legal?

PLEASE OPPOSE THIS FOR THE SAKE OF OUR COMMUNITY RIGHTS TO OWN LAND.

2045 General Plan Page 149

s 30.1 Treat broadband access as a basic utility that is available to all communities.

The county doesn't mention that "broadband" is 5G: [22 Advantages And Disadvantages Of Broadband Connection](#)

<https://en.wikipedia.org/wiki/Broadband>

In [telecommunications](#), broadband or high speed is the wide-[bandwidth data transmission](#) that exploits signals at a wide spread of frequencies or several different simultaneous frequencies, and is used in fast [Internet access](#). The [transmission medium](#) can be [coaxial cable](#), [optical fiber](#), [wireless Internet \(radio\)](#), [twisted pair](#) cable, or [satellite](#).

The term "broadband" refers to high-speed and high-bandwidth communication infrastructure.

"Broadband is the transmission of high-quality data of wide bandwidth. In its simplest form, it is a high-speed internet connection that is always on. Broadband connections include Wi-Fi, DSLs, fiber, and satellites."

<https://www.investopedia.com/terms/b/broadband.asp>

Broadband will always be on. The county has NOT researched the health risks of this.

30.2 Develop and support a program of free, public-use broadband services at appropriate County-owned facilities, mass transit facilities, and other community anchor institutions.

What do they mean by "community anchor institutions"? What kind of institution do they want to create?

30.12 Plan for broadband infrastructure to support smart grid development

The county doesn't mention wanting to turn the Big Island into a Smart City because implementing a Smart Grid is the first step in this process.

<https://smartgrid.ieee.org/resources?catid=0&id=223>

"A smart grid alone does three things. First, it modernizes power systems through self-healing designs, automation, remote monitoring and control... Thus, a smart grid sits at the heart of the smart city, which cannot fully exist without it".

A Smart Grid will allow them to have more control through "remote monitoring," which will fully take our privacy away.

Smart Grid Info:

<https://minnovation.com.au/smart-cities-2/disadvantages-of-smart-cities-potential-challenges-and-concerns/>

"Privacy and Data Security:

Smart cities rely heavily on the collection and analysis of vast amounts of data from sensors, cameras, and connected devices. This data is crucial for optimizing city operations and services. However, the extensive data gathering raises concerns about privacy infringement and data security. Citizens worry about their personal information being accessed or misused."

What are Smart Grids and Smart Cities? The county does not explain this in the General Plan. It looks like they are hoping no one will research it. <https://www.rfwireless-world.com/Terminology/Advantages-and-Disadvantages-of-Smart-Grid.html>

30.3 Collaborate with utility companies to incentivize the underground siting of electrical and telecommunications facilities within public rights-of-way

30.4 Continuously improve the use of broadband communications and digital technology to educate and provide public services with a focus on digital access.

30.5 Siting of new communications facilities shall comply with performance standards and site colocation as stated in the Code.

The above sentences are confusing because it looks like the county doesn't want us to understand that to create "telecommunications facilities fully," they must put Fibre Cable underground; hence, they use the wording "Siting." So, we don't fully understand the consequences of laying cable under streets.

I feel that they want to confuse us because "sitting" sounds better than causing serious traffic to dig up all the roads to lay down this kind of cable all over the Big Island, which will cost billions.

Page 150

30.b Develop standards for the siting and construction of wireless telecommunication facilities.

"Fibre overbuilds in the 21st century are becoming a widespread problem, with more fibre cable being laid on streets than can ever be utilised by the residents. Not only does this often cause mayhem on the roads, with closures and roadworks slowing traffic, but Fibre overbuilds can lead to countless negative effects on the environment, and the eventual rise in cost to the consumer and developer." <https://pulsefibre.co.uk/2023/06/15/when-more-is-less-the-risks-and-downsides-of-overbuild/>

General Plan Page 149

30.8 Promote and incentivize the landing of transpacific submarine fiber optic cables

The county is not focusing on the island's issues, like the fact we already have serious traffic issues. They want to create more traffic problems by laying down fibre cable that will create a "Broadband/Smart Grid," hence a Smart City, and they are explaining this to us by using minimal wording to confuse and obscure their true intentions.

The county is not acknowledging that Hawai'i Electric does not have the kind of power a Smart Grid needs, which will add to the island's already-existing power issues.

<https://www.hawaiianelectric.com/safety-and-outages/an-update-on-hawaii-island-power-generation>

An update on Hawaii Island power generation – how you can help

"there's no one to call on for backup - we're on our own.

That's why we will need everyone to work together over the next month, and possibly longer, to conserve electricity. We are extremely tight on what we call our generation margin, the margin between the demand for electricity and our ability to supply it. This demand typically peaks on weekdays between 5 and 9 p.m. and that's when the margin is most critical."

The county has not provided any information on the health risks to people, animals, and the environment from "Broadband" which will always be on and everywhere.

<https://electronics360.globalspec.com/article/11104/the-dangers-that-come-with-a-smart-grid>

Re: The Dangers That Come with a Smart Grid

#1

John Endres

2018-Feb-23 2:31 PM

"One very critical danger that comes with a "smart grid" was not mentioned: the adverse health effects from electromagnetic fields. Current estimates of people experiencing adverse health effects from wireless technology hover at around 5%—I am one of them. After the installation of a water utility smart meter at my place of work, I experienced an escalation of symptoms (over time) that started with headaches and ultimately culminated in a seizure (I lost control of my legs). One month prior to the smart meter installation I had a complete annual physical and was given a clean bill of health. I underwent a barrage of medical tests after a week of experiencing health symptoms (thyroid, EEG, MRI, etc.) and everything was normal. I did begin to feel some of the painful head and eye sensations (that I would feel near wireless sources) at the end of the MRI".

The county does not acknowledge the health risks associated with their "Broadband/Smart Grid" plan, all the associated issues due to putting the fibre cables underground, or the fact that it will cost billions to create. They worded everything in their General Plan to sound like it would benefit everyone, and it wouldn't!

30.9 Alleviate barriers and assist broadband projects with navigating through the regulatory permitting process.

They say "Alleviate barriers and assist broadband projects" are the barriers health regulations because the broadband will be on all the time? What are the barriers the county is wanting to alleviate to create their broadband projects?

The county mentions Broadband and a Smart Grid is the county also planning for an increase in cell towers? If so have they researched health issues because of cell towers?

Cell towers point straight to roads, homes, and commercial areas...Because the island is mountainous, the tops of cell towers can be only a few feet from these areas.

On Palani Rd. and Queen K HWY, there are two cell towers whose tops are only a few feet from the HWY.

On Hualalai Rd., there is a cell tower facing a retirement home and it's less than 100 ft away.

In Hawi town, there is a cell tower at a gas station. The top of the tower is directly across from residential homes.

Has the county checked these places to do any research on whether people are being affected by cell tower radiation before they keep allowing and agreeing to more cell towers?

<https://mdsafetech.org/cell-tower-health-effects/>

"Overall results of this review show three types of effects by base station antennas on the health of people: radiofrequency sickness (RS), cancer (C) and changes in biochemical parameters (CBP). Considering all the studies reviewed globally (n = 38), 73.6% (28/38) showed effects: 73.9% (17/23) for radiofrequency sickness, 76.9% (10/13) for cancer and 75.0% (6/8) for changes in biochemical parameters...Of special importance are the studies performed on animals or trees near base station antennas that cannot be aware of their proximity and to which psychosomatic effects can never be attributed."

Will there be any health and safety research and studies on what a safe distance and a safe number of cell towers should be for human bodies, trees, and animals?

30.i Pursue partnerships and funding for broadband initiatives and deployments

30.j Support the coordination of infrastructure projects between the public and private sectors to create areas for the deployment of broadband zones

30.k Seek federal and other opportunities for the funding of broadband infrastructure.

The county seriously wants Broadband on this island and it would cause a lot more traffic, and they say nothing about doing any research on the health risks to people, animals, and the environment.

30.l Support the State to develop a broadband dashboard to track progress and gaps that will inform decision-making in economic development on Hawai'i Island.

Do they want to track gaps so they can keep laying out more cable and making more traffic? This is what it seems like to me.

30.m Foster public-private partnerships to support the development and expansion of broadband infrastructure, including community networks.

The people that would support this are the people who would make money from this.

Where is the health and safety research for this?

General Plan Page 87

13.13 Support master planning by public and private institutions and landowners which emphasize TOD, affordable housing, and mixed-use development.

TOD - Transit- Orientated Development (I had to research what TOD meant because I didn't see it the GP)

What is their "Master Planning" they want to support? I don't see any information on this.

General Plan Page 82

Page 116

19.d Identify all roles for interdepartmental collaboration in delivering a truly multimodal transportation system.

A multimodal transportation system consists of more than one source of transportation to the destination. So, do they mean we will have to take a bus and our car to get where we want to go? Will they force us to do this through their "Ordinances"?

Page 117

20.e Adopt a Complete Streets ordinance.

What is their "Complete Streets Ordinance"? They seem to be adding more rules, laws, and regulations for everyone.

General Plan Page 87

13.10 Development of TODs and TNDs are encouraged within locations of the urban centers shown on the General Plan Land Use Map. These locations are approximate and become fixed during rezoning.

TNDs - Traditional Neighborhood Development

TOD - Transit- Orientated Development

TOD goes with the TDR program this is why they want to "cluster" us, "Reduced Traffic Congestion With more people living close to transit options, there's less need for cars, which can reduce traffic congestion and make roads safer for everyone."

<https://publicinput.com/Customer/File/Full/2c2d0935-0117-426b-9753-1bd0776574d7>

"While the intention behind the TOP may be to create a more transit-friendly city, its current form is over-constructed, overly broad, gives too much power to developers, neglects the interests of existing businesses, and imposes unnecessary TOD in areas where it simply isn't warranted. The plan requires significant revision to ensure it supports thoughtful, balanced growth that truly benefits the community."

<https://www.saspeakup.com/tod#tab-54195>

What is the county's TOD plan? We need more buses. They don't mention their plan and their "ordinances" for it, if any.

General Plan Page 86

"The Urban Growth Areas (UGA) include high-density Transit Oriented Development (TOD), medium-density Traditional Neighborhood Development (TND), and low-density Urban Neighborhood Centers. These centers provide physical, social, governmental, and economic concentrations and easier access to services, recreation, and employment activities."

They never mention their exact plan for implementing a TOD plan on page 86.

They don't give any ideas of how they will increase public transportation. The bus system has been breaking down for years and is rarely on time. They are not clear on what they mean by this at all. They say, "are encouraged."

Big Island's public transportation needs to be addressed. How can the island create better public transportation? They don't explain how they want to help public transportation.

Big Island's infrastructure also needs to be seriously addressed because traffic is increasing monthly without any sign of helping the infrastructure to accommodate the increase in traffic.

How can they help traffic infrastructure with a mountain on one side and a cliff on the other, with many of our roads? They don't offer any ideas.

Drawbacks and Challenges of Transit-Oriented Development <https://fifthave.ca/benefits-and-drawbacks-of-transit-oriented-developments/>

1. Decreased Affordability and Property Values: The increased demand for housing in TOD areas may lead to rising property values and rental costs, potentially displacing existing low-income residents.

2. Displacement of Marginalized Communities: Gentrification can occur in TOD neighborhoods, pushing out long-time residents and causing social and economic disruptions.

3. Social and Cultural Homogenization: The emphasis on mixed-use developments might inadvertently lead to the homogenization of local cultures and businesses, eroding the unique character of the community.

4. Increased Pressure on Infrastructure: High-density developments can strain existing infrastructure, such as transportation networks, water, and sanitation systems, necessitating costly upgrades.

5. Unequal Distribution of Benefits: Without inclusive planning and involvement of all stakeholders, the benefits of TOD might disproportionately favor certain segments of the population.

General Plan Page 87

13.13 Support master planning by public and private institutions and landowners which emphasize TOD, affordable housing, and mixed-use development.

What is their "Master Plan"? Why should it be supported? Why aren't they clear on all their plans and ordinances?

Page 89

13.44 The development or designation of new resort areas should complement the character of the area; protect the environment and natural beauty; respect existing lifestyles, cultural practices, and cultural resources; and provide shoreline public access.

The Big Island needs homes for its residents. It does NOT need more resorts because the island is having resource issues with the developments here now, and many more years of already-approved developments have not been completed yet.

Please see this petition: <https://www.change.org/p/help-big-island-resources-and-infrastructure-stay-safe-for-all-who-live-here-and-visit>

The West Hawai'i Sanitary Landfill, the only remaining landfill on the Big Island, is forecast to reach capacity within the next 20 to 25 years." <https://bigislandnow.com/2023/09/17/big-island-now-poll-no-27-results-more-than-one-solution-needed-to-help-extend-life-of-west-hawaii-landfill/>

"Hawai'i Water Supply Closely Monitored As Severe Drought Continues by Big Island Video Newson Nov 6, 2023 at 3:28 pm STORY SUMMARY HAWAII COUNTY - Officials say a special focus will be placed on the South Kohala Water System, which is more susceptible to drought conditions." <https://www.bigislandvideonews.com/2023/11/06/water-supply-closely-monitored-as-hawaii-CA-BB-under-severe-drought/>

HECO issues rolling power outages around Big Island by: Emily Cervantes Posted: Feb 13, 2024 / 05:11 PM HST Updated: Feb 13, 2024 / 09:12 PM HST Hawaiian Electric initiated rolling outages for Big Island after several large generators became unavailable and reduced output Tuesday night." <https://www.khon2.com/local-news/heco-releases-conservation-alert-for-big-island/>

Page 90

13.e Amend Zoning Code to:

- i. Establish a TOD overlay zone project district with a minimum size of 15 acres.
- ii. Create a TND overlay zone for existing zoned lands within identified residential and commercial zoning districts.
- iii. Allow for residential uses in ML and MCX zoning districts.
- iv. Support innovative uses of alternative energy, agriculture, aquaculture, and others, in MCX zoning district

What exactly does "Establish a TOD overlay zone project district with a minimum size of 15 acres" mean?

What does ML and MCX stand for? These are not in their glossary, and I can't find them in the GP or online.

Page 98

14.1 Support the State Land Use reclassification to Rural in alignment with the General Plan Rural designation.

What is the General Plan Rural Designation?

14.2 Support reclassification/rezoning of appropriate General Plan Rural designated areas where an intermediate land use and a well-defined buffer between Urban and Productive Agricultural areas are consistent with the surrounding uses and rural character.

What is the "reclassification/rezoning of appropriate General Plan Rural designated..."?

They are changing Land Use Titles in the GP and that NEEDS TO BE OPPOSED!

4.4 Rural-style residential-agricultural developments, such as new small-scale rural communities or extensions of existing rural communities, should be incentivized to cluster in appropriate locations.

They want to "cluster" residents because the word "cluster" is used many times in this General Plan. They want to take away our rights to live on private lands and make us live where they choose.

14.b Amend the zoning districts currently listed as Family Agricultural District (FA) and the Residential and Agricultural Districts (RA) to be consistent with the Rural designation and to allow for home occupations that do not negatively impact rural character.

Would this mean the county would have the right not to approve homes on "Rural Designated" lands if they feel it can "negatively impact rural character"?

Page 102

15.f Update the Real Property Tax Code for agricultural land uses that result in actual production or other public benefits, such as native forestry and the ecosystem services that result from well managed rangelands.

What does this mean? Will they increase taxes? We need farmers to want to work and afford life without increased taxes.

15.g Amend the Zoning Code to require Plan Approval for commercial open area recreational uses in the Agricultural District.

How do they want to Amend the Zoning Code?

15.i Develop standards and guidelines for buffer areas located adjacent to agricultural lands.

What does this mean? What kind of standards and guidelines do they want to implement?

Page 108

16.6 Provide for present traffic and future demands, including the development of mass transit programs for high-growth areas by both the private and public sectors.

How will they do this? Traffic keeps increasing monthly, and the roads are incredibly narrow, with a cliff on one side and a mountain on the other in many different areas all over the island. Where is their plan for this?

Page 111

17.4 Land use applications shall identify as early as possible any existing or potential active living corridors that should be incorporated into the County's open space network.

Who decides what a living corridor is? Is this the county's way of taking private land areas away?

17.5 Ensure that existing active living corridors that are publicly owned or available by easement are properly identified and that their access elements are secured and documented.

b) "Acceptance" by the County of the responsibilities detailed in the grant of easements should require County Council action and a dedicated funding source.

What does b) mean exactly?

Page 116

9.2 Increase arterial capacity through prioritization of alternative means of transportation, such as mass transit, bicycle, and pedestrian systems.

What does this mean? What is their plan? How will they make "prioritization of alternative means of transportation"? Will we be fined or something if we don't follow their "alternative means of transportation"?

19.6 Use traffic demand management to aid in reducing traffic congestion by targeting an increase of active transportation mode share to 10 percent (bicycling, walking, micro-mobility)

What do they mean by "Use traffic demand management to aid in reducing traffic congestion"? Will they somehow limit cars?

19.7 Concurrency reviews should incorporate reduction in vehicle miles traveled to mitigate traffic impacts (e.g. the level of service) and achieve sustainability and demand management goals.

How are they going to "reduce vehicle miles traveled to mitigate traffic impacts"?

19.a Continue to adopt the County Street design manual as the County's complete street design program/policy.

19.b Amend the County Code to incorporate complete street design.

What is the "County Street design manual"? I don't see this information in the General Plan.

19.d Identify all roles for interdepartmental collaboration in delivering a truly multimodal transportation system.

A multimodal transportation system consists of more than one source of transportation to get to the destination. So, do they mean we will have to take a bus and our car to get to where we want to go? What do they mean exactly?

Page 117

20.e Adopt a Complete Streets ordinance.

What is a "Complete Streets ordinance"?

Page 119

22.7 Develop roadway standards to accommodate emerging technology for connected and automated vehicles.

This needs to be opposed because the Big Island has power issues and cannot handle all its current power needs. It does not have extra power to connect many electric vehicles, which will only add to its power issues.

Plus, if there is a big storm and we lose power, those electric cars cannot run, their batteries do not decompose well, and the island needs a new way to take care of rubbish because there is only one landfill on the island. These cars will only add to the many issues the island already has.

"Hawaii Island is in the enviable position of having a landfill with anywhere from 20 to 100 years of capacity left to take in trash. But the island still wrestles with significant issues like plastic products that are no longer being recycled." <https://www.waste360.com/landfill/hawaii-deals-with-burgeoning-waste-management-problem>

"Hawaiian Electric is reporting that several large generators on the Big Island are experiencing a range of issues and may lead to the need for rolling outages if supply does not meet demand."
https://www.reddit.com/r/BigIsland/comments/1bnuar3/hawaiian_electric_is_reporting_that_several_large/?rdt=52660

Page 130

25.5 Encourage the clustering of developments to reduce the cost of providing utilities.

How will "clustering developments" reduce the cost of utilities? We all use the same power whether we live clustered up, like the county wants, or not.

The solution to help power the island is not "clustering" everyone. It is asking homeowners/resorts/vacation rentals to purchase solar panels, use wind turbines, or use other natural ways to create their own power. If everyone steps up, we can all make good chances together.

This petition offers other solutions <https://www.change.org/p/help-big-island-resources-and-infrastructure-stay-safe-for-all-who-live-here-and-visit>

25.6 Develop short- and long-range capital improvements programs and plans for public utilities within its jurisdiction that are consistent with the General Plan.

What are "short- and long-range capital improvement programs"?

25.7 Maintain an Asset Management Program aimed at utilizing maintenance plans to prolong the life of our utilities as well as reduce whole-life costs.

What is their "Asset Management Program"?

25.a Develop and adopt an Impact Fees Ordinance to aide in the expansion of public utilities.

What is an "Impact Fees Ordinance"?

Page 132

26.5 Ensure the highest quality of water is reserved for the most valuable end-use.

What do they consider "the most valuable end-use" for water?

The Rosewood Resort waters its white coral road to keep the dust down. They use hundreds, if not thousands, of gallons to water their road, even when there are signs to conserve water.

Has the county looked at the resort's wasteful water use? Are the resort's water use more "valuable" than residence use?

Shouldn't the county have some regulation against wasteful water in the resorts because we are on an island? Why isn't this in their General Plan?

26.6 Encourage the design of large development projects (200+ units) in the North Kohala, South Kohala, North Kona, South Kona, and Ka'u Districts to be as water neutral as reasonably possible through water conservation, recharge, and reuse measures to reduce the water footprint.

How can 200+ units be water-neutral?

26.7 Promote best practices in sustainable water collection and use for private water systems.

What does this mean, "for private water systems"? Are they planning private water systems used only by private communities or resorts?

Why hasn't the county considered new inventions to help the island's water issues?

For example, inventions that capture grey water to use in toilets <https://ecofriend.com/innovative-products-designed-capture-reuse-gray-water.html>. I'm sure many new inventions could help the island if they only start looking for them.

Page 133

26.e Maintain the water master plan to consider water yield, present and future demand, alternative sources of water, guidelines, and policies for the issuing of water commitments.

What is their "water master plan"?

26.n Develop water conservation and stormwater management guidelines for commercial, industrial, and residential properties.

What would "management guidelines" be? Would resorts be prioritized over residences?

Page 137

27.6 Pollution shall be prevented, abated, and controlled at levels that will protect and preserve public health and well-being through the enforcement of appropriate Federal, State, and County standards

What pollution? What are the Federal, State, and County standards, and how would they enforce them?

Developments pollute nearby water; will new developments be subjected to this? Because developments shouldn't pollute nearby water and it's scientifically proven that they do. <https://bigislandsupport.com/kbayinfo/>

This would be Kamehameha Schools Bungalow Resort Development, and if it goes through, it will pollute Keauhou Bay. Will the county enforce pollution standards on them? They should.

27.7 Ensure municipal wastewater systems serve designated Urban Growth Areas (UGA) with the capacity to accommodate projected population growth.

27.9 Prioritize developing a multipronged approach to wastewater infrastructure funding, including proactively seeking grant funding for wastewater system expansion, improvements, and new development

27.11 Ensure that wastewater systems and improvements are designed and functioning to maximize system efficiencies, prevent accidental leaks or spills, and provide sanitary, reliable wastewater treatment that is not negatively impacting natural resources.

They don't mention the pollution that cesspools are causing daily. People can use many kinds of toilets to stop using cesspools today if only the county would approve this.

Why hasn't the county considered new inventive toilets to help the wastewater system?

Like the Cinderella Incinerator Toilet to help stop pollution from cesspools and help with the wastewater system? <https://cinderellaeco.com/en-us>

There are many new inventive toilets these days that can help the island's wastewater system, and the Cinderella Incinerator Toilet can also help conserve water.

Page 138

27.15 Prioritize the use of gray water in areas connected to County water and not connected to County wastewater.

Why doesn't the county start looking for new inventions to help the island instead of traditional sources when the island's population is steadily growing and needs new ideas to help? They could start considering using inventions like these:

<https://ecofriend.com/innovative-products-designed-capture-reuse-gray-water.html>

<https://newsroom.ucla.edu/stories/gray-water-clean-up-yoram-cohen-271642>

<https://www.greenprophet.com/2015/04/10-inventions-to-save-earths-water/>

27.a Prioritize areas where on-site wastewater treatment should be converted to sewer and establish financial tools such as improvement districts to aid in implementation.

27.b Prioritize areas where wastewater treatment facilities are necessary to facilitate future growth and utilize financing tools such as community facilities district (CFD) or tax increment financing (TIF) to aid in implementation.

Big Island

'Acute Problems' Plaguing Big Island's Wastewater Treatment Systems Prompt EPA Crackdown <https://www.civilbeat.org/2024/04/acute-problems-plaguing-big-islands-wastewater-treatment-systems-prompt-epa-crackdown/>

Why doesn't the county start considering the Cinderella Incinerator toilet or other inventions to help with the wastewater treatment issues, especially when this has been a serious issue for years? <https://cinderellaeco.com/en-us>

27.i Streamline the sewer connection loan program.

What is this loan program? Is the island going into more debt because of it?

27.j Develop wastewater cost valuation in service fees (similar to the water model fee structure).

27.k Develop a criteria-based infrastructure prioritization tool to develop new or expand existing municipal wastewater systems. Base these priority areas on designated urban growth boundaries, urban zoning and density, population trends and anticipated growth, health/safety, and environmental factors

27.l Implement innovative wastewater systems at a cost-effective scale for small communities.

If the county starts considering new inventions and types of waste treatment toilets, like the Cinderella Incinerator Toilet, wastewater treatment costs would be considerably lowered. Why don't they do this?

Page 139

27.p In collaboration with the Department of Agriculture, develop a water resource strategy for efficient agricultural water use and reuse.

Why doesn't the county start to consider using grey water inventions? <https://www.environmental-expert.com/articles/the-power-of-greywater-recycling-a-sustainable-solution-for-the-future-1138822>

Page 142

28.11 The County shall ensure that golf course developments develop and implement grading and site preparation plans to:

Why is the county still considering more golf courses when the island has water, power, and landfill issues...?

Page 143

28.b Conduct a feasibility study to create a County Stormwater Utility before the County reaches MS4 requirements.

28.c Update the DPW Storm Drainage Standards to reflect current data and to incorporate strategies and standards of green infrastructure and low-impact development.

28.d Develop drainage master plans from a watershed perspective that considers non-structural alternatives, minimizes channelization, protects wetlands that serve drainage functions, coordinates the regulation of construction and agricultural operation, and encourages the establishment of floodplains as public greenways.

Why doesn't the county start looking at new, innovative drainage solutions for the island? <https://www.randmagonline.com/articles/90645-innovative-solutions-for-effective-storm-water-management-in-urban-environments>

Page 155

31.a Create an asset management program.

31.c Develop and adopt an Impact Fees Ordinance to aide in the expansion of County services and facilities.

What would be an "asset management program"?

What is an "Impact Fees Ordinance"? Another regulation?

Page 162

33.2 Implement waste stream technology, such as recycling and upcycling and waste-to-energy to reduce the flow of refuse deposited in landfills.

Why doesn't the county start looking at how countries who have a high population are dealing with their rubbish, to get other ideas that could help the island?

33.9 Ensure that redesign plans for landfill and transfer stations provide adequate space for Resource Recovery (RR) Stations.

33.11 Site new solid waste/resource recovery facilities in appropriate areas that serve the needs of population centers and minimize and mitigate negative impacts on the environment or surrounding neighborhood. 33.12 Reduce illegal dumping and littering.

33.13 Minimize the amount of waste generated by County facilities.

33.a Evaluate and amend the County Code to integrate strategies to maximize landfill diversion and handle materials:

Has the county ever looked into new innovative ways to deal with rubbish:

"Benefits of waste-to-energy

Waste-to-energy technology offers an alternative to landfills, providing a cleaner, more efficient way of disposing of waste while reducing greenhouse gas emissions." <https://biotrux.com/what-can-we-use-instead-of-landfills/Different-Alternative-to-landfill-https://bettermeetsreality.com/the-different-alternatives-to-landfill-waste-management-options/>

Top 29 countries that have been efficient in minimizing waste <https://www.openaccessgovernment.org/which-countries-are-the-most-efficient-at-minimising-waste/96037/#:~:text=Switzerland%20have%20100%25%20waste%20recovery%2C%20despite%20being%20in,while%20the%20other%2047%25%20is%20incinerated%20for%20energy>

Page 171

35.f Update the County of Hawai'i Recreation Plan to reflect newly identified recreational priorities.

The county has sent out letters changing private Land Use Titles to recreational land. Does this mean they will be looking for more lands to change their Land Use Titles into recreational lands, thereby taking their property away by not allowing them to pass it down to family or sell it?

Why is it legal for the county to take private lands away from people to give their lands to recreation?

I heard these people would still have to pay the property tax on their land, which the county wants to turn into recreational land, is this going to happen?

35.i Develop best management practices for the development and maintenance of golf courses in collaboration with government, private and nonprofit agencies, and other stakeholders.

Golf courses use a lot of poisons to keep their lands weed-free, and these poisons runoff into the ocean, causing algae blooms and other pollutions. Will the county be addressing this?

35.r Develop and implement a cemeteries master plan for the siting of future cemeteries.

What is their "cemetery master plan"?

Page 176

36.b Develop a medical center TOD master plan and rezone it as a Regional Center TOD.

What is the TOD "master plan" and how will they "rezone" it?

Page 182

37.3 Prioritize new housing including the missing middle in or near mixed-use developments, urban growth areas with infrastructure, and near existing and proposed transit centers.

37.6 Vacant lands in the urban growth boundary (UGB) should be prioritized for residential and supportive uses before additional agricultural lands outside the UGB are converted into urban uses

37.c Assess and amend the land use and building regulations and explore fiscal opportunities to support universal design principles and ADA accessibility for more physically accessible housing.

Has the county sincerely looked at Big Island resources?

The island's resources need to be addressed because many years in the making, developments have been approved to build more homes, and all of the island's resources are having serious issues today.

Before prioritizing even more homes, before the years' worth of homes that have already been approved have been developed, the island's resources need to be addressed.

Please read this petition that explains Big Island resources:

<https://www.change.org/p/help-big-island-resources-and-infrastructure-stay-safe-for-all-who-live-here-and-visit>

Page 183

38.1 Enable data-driven research to support and maintain a housing inventory program that monitors existing housing.

What are they going to monitor, and why? Are they taking our privacy away?

Page 184

39.8 Encourage the development of workforce housing within or near urban growth areas and employment centers and require large new developments that create a demand for housing to provide affordable workforce housing.

Resorts on the island hire and bring in people from outside of the country. Then they house them. This takes away homes and jobs from locals. Why doesn't the county prioritize these jobs and homes for locals? Why don't the resorts on the island hire locals who are already here and need jobs and homes?

Page 190

42.c Develop and adopt an impact fees ordinance that considers district specific needs and excludes urban core areas where infill is encouraged.

What exactly does this mean? What are "impact fees ordinance" and "infill is encouraged" mean?

42.d Develop a framework for a transition plan for changes in administrative leadership to ensure a smooth transition and continuity of operations.

Why does the county need a "transition plan for changes in administrative leadership"? What does this have to do with the GP. Shouldn't they already have a plan?

Page 199

44.f Partner with business associations, realtors, and the chamber of commerce to recruit small-scale manufacturers to establish retail locations in village and town centers to support reinvestment and match potential tenants with local

landowners.

The shops in Kailua Kona town have trouble staying open because all the private parking lots are overcharging for parking. Why isn't the county addressing this issue instead of wanting to bring in more businesses that won't be able to survive because private parking is taking a lot of money away from businesses?

The county NEEDS to answer ALL of these questions because they are NOT clear in what they are saying they want to do in their 2045 GP, and this plan CAN NOT go any further UNLESS WE ALL FULLY UNDERSTAND WHAT THEIR PLAN IS!

The county NEEDS to TAKE OUT ALL MENTION OF THE TDR Program because it violates our rights to live how and where we want.

The county NEEDS TO TAKE OUT ALL MENTION OF "Broadband/Smart Grid" and start solving traffic issues, water, power, landfill issues, and because this will cost billions, and add a lot more problems to the Big Island.

I do not understand how to use their map that shows all the changes they want to make on the island and all the Land Use Titles they have changed to private lands. Can you figure out their map and see all their changes?

I have heard the voices of people in person at the meetings who have received letters that state the county wants to change their Land Use Titles in this General Plan. How is changing people's private Land Use Titles legal? This is not right.

Please look at their map because I was told that the county is changing high-end developers' Land Use Titles so they can develop easily.

Zendo Kern has helped high-end developers many times on the island. This planning director favors developers rather than the preservation of the land and community voices.

For example, 18,554 people signed a petition to Save Punalu'u from development. Hundreds of Hawaiian residents protested the housing project in Punalu'u, and still, "Planning Director Zendo Kern has recommended that the commission greenlight the development, writing in his 17-page report to the panel that the project will not have any substantial adverse environmental or ecological effect" provided that best management practices are used to mitigate any impacts.

Kern recommended moving ahead without making the developers prepare an updated environmental impact statement or environmental assessment because the project did not meet the criteria set out in state law for such a requirement."

This man is not for conserving the land, nor does he support community voices.

Please look at the map he is a part of because this man favors high-end developers. If this map changes high-end developers' Land Use Titles to help them develop their land easily, it could be one huge way that he supports these developers, and this is not right for the island and the community.

<https://www.civilbeat.org/2024/03/hundreds-of-hawaii-island-residents-protest-proposed-housing-project-in-punaluu/>

<https://www.thepetitionsite.com/854/086/898/residents-who-oppose-the-resort-in-punaluu-ka%C5%AB/>

Thank you

Rebecca Melendez

From: [Riley Eisenberg](#)
To: [WPCTestimony](#); [LPCTestimony](#)
Subject: Revise Hawaii General Plan Testimony
Date: Monday, January 13, 2025 7:56:34 PM

Aloha Commissioners,

The Big island Plan cannot go through the way it is designed. It is hard to believe any local helped design this plan.

Here are some concerns:

There is a huge part of the plan dedicated to "Climate Change". However, why do most experts state there is NO climate danger? [Climate Experts Speak Out Against Climate Danger Click Here!](#)

The word "Stakeholder," defined in the plan, is written 86 times and literally means anyone in the entire world can have input on this plan.

Please recommend Stakeholder change to the following: "Local Communities". Local Communities are local Big Island farmers, homeowners, renters, organizations, businesses, and individuals who live on Big Island or have property on Big Island that will be personally affected by projects, decisions, or activities in the general plan. Effective local community engagement and management are crucial for the success and sustainability of any initiative, as it helps ensure that diverse perspectives and interests are considered.

The OSCER Department in the plan will null and void all public input and leave decisions to unelected officials. This is NOT okay! This department should not be created. This is on page 188, 40.8.

The Planning Department has sent out letters too many homeowners telling them their land use will be changed from resident to recreation due to the General Plan 2045. This will drastically lower their property value and opens the door to rezone the area. This is not pono. It breaks the Aloha Spirit law § 5-7.5. To reduce someone's property value is not okay. This must be made pono again.

There is a huge section on climate change and things that will be affected. This needs to be further researched. There are over 1900 credentialed scientist that say there is no climate danger. Here is the pdf showing the scientist and what country they are from. <https://clintel.org/wp-content/uploads/2024/10/WCD-241023.pdf> John Coleman, the first weather man for Good Morning America and the Founder of the Weather Channel has gone on CNN and other media outlets stating, "There is no climate danger". He explain the reason for this narrative is the investors, in renewable energy, want to make these changes.

Hilo does not have a Community Development Plan. How can a Big Island General Plan move forward without that? Hilo is 22% of the island.

1.13 under "Increase the biodiversity and resilience of native habitats" reads, *"Incentivize private land management practices that protect and enhance natural resource values and, when appropriate, pursue the acquisition of lands for the protection of natural resources."* "Incentives" mean more taxes. "Protection" means more rules. Who's "values" is this plan referring too because it's not the locals? "Pursue the acquisition of lands" does this say they are going to pursuing taking people's private property? Again with "protection of natural resources". This plan should be focused on people growing more food and it is doing the exact opposite!

This plan wants to turn land into "conservation". The exact opposite is what is needed for Big Island! We need to turn land into Ag Villages and grow more food! Steve Shropshire, a resident of Papaikou, has created an Ag Villages plan.

Ag Village to add to the General Plan:

Papaikou Ag Village Objectives:

https://www.standtogetherhawaii.com/_files/ugd/86fc0c_2cb1cc6d604f4cdd971ad40831c745bc.pdf

Papaikou Site

Plan: https://www.standtogetherhawaii.com/_files/ugd/86fc0c_5e4cdb02efeb46a5ae949a3579aff00d.pdf

Papaikou Development:

https://www.standtogetherhawaii.com/_files/ugd/86fc0c_c2af52c8b3c645b1a6868a724eee8304.pdf

A Hawaiian born Kanaka revised the Collaborative Biocultural Stewardship that is in the plan. You can see it in the pdf below:

Part

One: https://www.standtogetherhawaii.com/_files/ugd/86fc0c_0a1d5be8f1d140069415f7b691725786.pdf

Part Two: [https://86fc0cbd-8207-4076-85fa-](https://86fc0cbd-8207-4076-85fa-5a62e4e933b4.usrfiles.com/ugd/86fc0c_ecc498ba192d4a7689ebf31c3681c2ec.pdf)

[5a62e4e933b4.usrfiles.com/ugd/86fc0c_ecc498ba192d4a7689ebf31c3681c2ec.pdf](https://86fc0cbd-8207-4076-85fa-5a62e4e933b4.usrfiles.com/ugd/86fc0c_ecc498ba192d4a7689ebf31c3681c2ec.pdf)

Here is a longer revised version of the plan from locals:

https://www.standtogetherhawaii.com/_files/ugd/86fc0c_b34739e4c99c461685de4c0207bf286e.pdf

The way this plan is written is very far from what will support our island.

Big Island resident and farmer,
Riley Eisenberg

From: [Sara Steiner](#)
To: [LPCtestimony](#); [WPCtestimony](#)
Subject: Hawaii 2054 Plan IS JUNK AND JUST A LAND AND WATER GRAB
Date: Monday, January 13, 2025 9:30:12 AM

Dear Planning Departments and Kona Development Committee:

Why can't you have some meetings in the evening or on the weekend for the people who work constantly to afford to live here. The Smart City and 2045 General Plan plans must not be adopted.

The 2045 plan steals land from everyone who is not in an existing census cluster. The county plans on only spending money for infrastructure in the census cluster areas and going to ignore the rest of the island.

You don't get to take my AG10 land and unilaterally change it to "Natural" WITHOUT COMPENSATION.

You don't get to tell me how much water I can use, or that the County owns my water!

You don't get to ignore all the substandard subdivisions you approved in the "good ol' boy days" because we aren't an urban cluster - we need our taxpayer public roads for economic and safety reasons and we need priority because you in the cities already have multiple roads going everywhere..

You don't get to tax me more because I happen to live in a rural area and therefore drive more than you think I should.

Sara Steiner
13-430 Pohoiki Road
Pahoa, HI 96778

From: [shaylene fahey](#)
To: [LPCtestimony](#)
Subject: New Hawaii General Plan
Date: Monday, January 13, 2025 6:25:53 PM

To whom it may concern,

Please let it be known that I highly oppose this plan as written, just a few points of interest are, is this plan really in the best interest of the population of Hawaii, it appears that the future plan will take away our rights as home and property owners and also it appears that the plan will create more financial hardships on the citizens. Also, this Big Island of Hawaii already has 80% or more of land owned by the state, county and federal governments so why is more and more land going to be deemed as Land Preservation and will be off limits to the general population?!

Thank you for your time.

Shaylene Fahey

Volcano Hawaii Resident

[Sent from Yahoo Mail for iPhone](#)

From: [Silvah N Gould](#)
To: [LPCtestimony](#); [WPCtestimony](#)
Subject: GENERAL PLAN 2045 TESTIMONY
Date: Monday, January 13, 2025 2:09:32 PM

Aloha Leeward Planning Commission, and Windward Planning Commission,

You've heard many passionate testimonies against General Plan 2045, as it is based on the "Climate Change" hoax, and pleas that it be postponed and revised, or discarded altogether. We've heard replies that it can't be thrown out because a lot of work went into it. But it is NOT PONO to hold onto something that is in ERROR and defective. Please **seriously** consider the evidence you've been given that "Climate Change" due to too many humans and cows farting is a scam by Globalist Elites and the United Nations, to justify a New World Order or Communist One World Government. Here is a good documentary on weather modification **already in deployment**, and the harm it has caused by Michael J. Murphy:

"UNconventional Grey • Geoengineering Climate Change & Chemtrails Documentary"

<https://rumble.com/v4ddw3o-unconventional-grey-geoengineering-climate-change-and-chemtrails-documentar.html>

It is "secretive" as we don't hear "New World Order" explained in the main stream media nightly news. But this is what a few "Elites" have said (found at <https://www.azquotes.com/>):

"Some even believe we (the Rockefeller family) are part of a secret cabal working against the best interests of the United States, characterizing my family and me as 'internationalists' and of **conspiring** with others around the world to build a more integrated global political and economic structure - one world, if you will. If that's the charge, I stand guilty, and I am proud of it."
David Rockefeller (2011) "Memoirs", p.368, Random House
American Investment Banker

"The drive of the Rockefellers and their allies is to create a one-world government combining **super capitalism and Communism** under the same tent, all under their control.... Do I mean conspiracy? Yes I do. I am convinced there is such a plot, international in scope, generations old in planning, and incredibly evil in intent."
Larry McDonald, Physician and Georgia Congressman 1975 – 83, Anti-Communist

"Today, America would be outraged if U.N. troops entered Los Angeles to restore order. Tomorrow they will be grateful! This is especially true if they were told that there were an outside threat from beyond, whether real or promulgated, that threatened our very existence. It is then that all peoples of the world will plead to deliver them from this evil. The one thing every man fears is the unknown. When presented with this scenario, **individual rights will be willingly relinquished** for the guarantee of their well-being granted to them by the **World Government**."

Henry Kissinger, U.S. Secretary of State 1975-77 (in an address to the Bilderberger organization meeting at Evian, France, on May 21, 1991. As transcribed from a tape recording made by one of the Swiss delegates.)

All “General Plans” across the U.S. and the World are based on United Nations SDGs (Sustainable Development Goals). They are a Trojan Horse designed to bring about a Communist Totalitarian One World Government under the UN at local levels, thus abolishing national sovereignty. The General Plan 2045 and policies regarding Climate Change in it, are not for the best interests of the people of Hawaii island, but are for the benefit and profits of “Stakeholders” or outside corporations and investors.

We should not place our trust in the UN. They have failed thus far at preventing poverty, hunger, and war. Maybe that was never the UN’s true purpose as we’ve been told, but has been in reality to encourage corruption and conflict = Chaos, and they will offer us “Order out of Chaos”. They practice the Hegelian Dialectic of “Problem – Reaction – Solution”. Through covert weather manipulation, they create the PROBLEM of “Climate Change”, and blame Humanity for it. Our REACTION to “Extreme Weather Disasters” is fear, and thus we demand Government solve the problem; we give them our permission to solve the Problem. The SOLUTION is Government monitoring and control of everything – all humans, all resources we use - goods and food, energy and water, or rationing of them, and our behavior, such as restricting how far we can travel ("**Reduced Miles Traveled**", as written in GP 2045). For more about the Hegelian Dialectic, and how the “Climate Change Crisis” is an example of it, please see this article:

<https://colindixon.substack.com/p/the-problem-reaction-solution-paradigm>

Mahalo!

From: [Hello](#)
To: [WPCtestimony](#); [LPCtestimony](#)
Subject: RE: Revise Hawaii General Plan Testimony Here
Date: Monday, January 13, 2025 7:29:43 PM

Aloha Commissioners,

The Big island Plan cannot go through the way it is designed. It is hard to believe any local helped design this plan.

Here are some concerns:

There is a huge part of the plan dedicated to "Climate Change". However, why do most experts state there is NO climate danger? [Climate Experts Speak Out Against Climate Danger Click Here!](#)

The word "Stakeholder," defined in the plan, is written 86 times and literally means anyone in the entire world can have input on this plan.

Please recommend Stakeholder change to the following: "Local Communities". Local Communities are local Big Island farmers, homeowners, renters, organizations, businesses, and individuals who live on Big Island or have property on Big Island that will be personally affected by projects, decisions, or activities in the general plan. Effective local community engagement and management are crucial for the success and sustainability of any initiative, as it helps ensure that diverse perspectives and interests are considered.

The OSCER Department in the plan will null and void all public input and leave decisions to unelected officials. This is NOT okay! This department should not be created. This is on page 188, 40.8.

The Planning Department has sent out letters to many homeowners telling them their land use will be changed from resident to recreation due to the General Plan 2045. This will drastically lower their property value and open the door to rezone the area. This is not pono. It breaks the Aloha Spirit law § 5-7.5. To reduce someone's property value is not okay. This must be made pono again.

There is a huge section on climate change and things that will be affected. This needs to be further researched. There are over 1900 credentialed scientists that say there is no climate danger. Here is the pdf showing the scientist and what country they are from. <https://clintel.org/wp-content/uploads/2024/10/WCD-241023.pdf> John Coleman, the first weatherman for Good Morning America and the Founder of the Weather Channel has gone on CNN and other media outlets stating, "There is no climate danger". He explains the reason for this narrative is the investors, in renewable energy, want to make these changes.

Hilo does not have a Community Development Plan. How can a Big Island General Plan move forward without that? Hilo is 22% of the island.

1.13 under "Increase the biodiversity and resilience of native habitats" reads, *"Incentivize private land management practices that protect and enhance natural resource values and, when appropriate, pursue the acquisition of lands for the protection of natural resources."* "Incentives" mean more taxes.

"Protection" means more rules. Who's "values" is this plan referring to because it's not the locals?

"Pursue the acquisition of lands" does this say they are going to pursue taking people's private property? Again with "protection of natural resources". This plan should be focused on people growing more food and it is doing the exact opposite!

This plan wants to turn land into "conservation". The exact opposite is what is needed for Big Island! We need to turn land into Ag Villages and grow more food! Steve Shropshire, a resident of Papaikou, has created an Ag Villages plan.

Ag Village to add to the General Plan:

Papaikou Ag Village Objectives:

https://www.standtogetherhawaii.com/_files/ugd/86fc0c_2cb1cc6d604f4cdd971ad40831c745bc.pdf

Papaikou Site

Plan: https://www.standtogetherhawaii.com/_files/ugd/86fc0c_5e4cdb02efeb46a5ae949a3579aff00d.pdf

Papaikou Development:

https://www.standtogetherhawaii.com/_files/ugd/86fc0c_c2af52c8b3c645b1a6868a724eee8304.pdf

A Hawaiian born Kanaka revised the Collaborative Biocultural Stewardship that is in the plan. You can see it in the pdf below:

Part

One:https://www.standtogetherhawaii.com/_files/ugd/86fc0c_0a1d5be8f1d140069415f7b691725786.pdf

Part Two: [https://86fc0cbd-8207-4076-85fa-](https://86fc0cbd-8207-4076-85fa-5a62e4e933b4.usrfiles.com/ugd/86fc0c_ecc498ba192d4a7689ebf31c3681c2ec.pdf)

[5a62e4e933b4.usrfiles.com/ugd/86fc0c_ecc498ba192d4a7689ebf31c3681c2ec.pdf](https://86fc0cbd-8207-4076-85fa-5a62e4e933b4.usrfiles.com/ugd/86fc0c_ecc498ba192d4a7689ebf31c3681c2ec.pdf)

Here is a longer revised version of the plan from locals:

https://www.standtogetherhawaii.com/_files/ugd/86fc0c_b34739e4c99c461685de4c0207bf286e.pdf

The way this plan is written is very far from what will support our island. Please implement changes in this email before moving forward.

Mahalo,
Yuki Klahr