

Kīlauea Eruption Recovery Process
Puna CDP Action Committee

August 6, 2019

Role of the Action Committee

County Code 16-6

- ***Monitor Progress & Effectiveness*** of the CDP, making revisions as needed based on emerging statewide plans or changing conditions.
- ***Steer Any Update of CDP*** by advising on process, leading/supporting engagement and make final recommendations.
- ***Broaden Awareness & Build Partnerships*** with governmental and community-based organizations to implement CDP policies and actions.





WHAT ARE THE
RISKS IN THE
LERZ, AND HOW
CAN THEY BE
MITIGATED?



HOW DO WE
PRESERVE OUR
NATURAL AND
CULTURAL
RESOURCES?



WHAT HEALTH
SERVICES AND
FACILITIES ARE
NEEDED?



WHAT
ECONOMIC
DEVELOPMENT
STRATEGIES
SHOULD BE
EMPLOYED
LONG TERM?



WHAT
INFRASTRUCTURE
SHOULD BE
(RE)BUILT:
HOW AND WHERE?



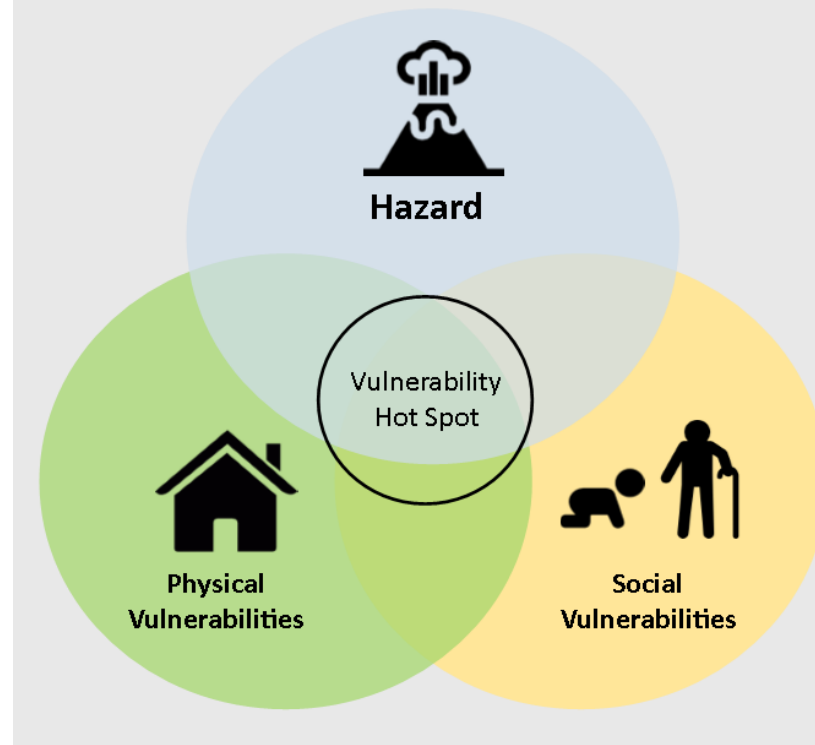
WHAT
PERMANENT
HOUSING NEEDS
REMAIN, AND HOW
SHOULD THEY BE
ADDRESSED?

INPUTS:

- Community Engagement
- Risk Assessment
- Impact Assessments
 - Housing
 - Economic
 - Fiscal Impact
- Alternative Study
- Scenario Planning
- And more

Recovery Considerations

*Recovery and Resilience
is about mitigating
vulnerabilities.*



Recovery from the
2018 Kīlauea Eruption

AND

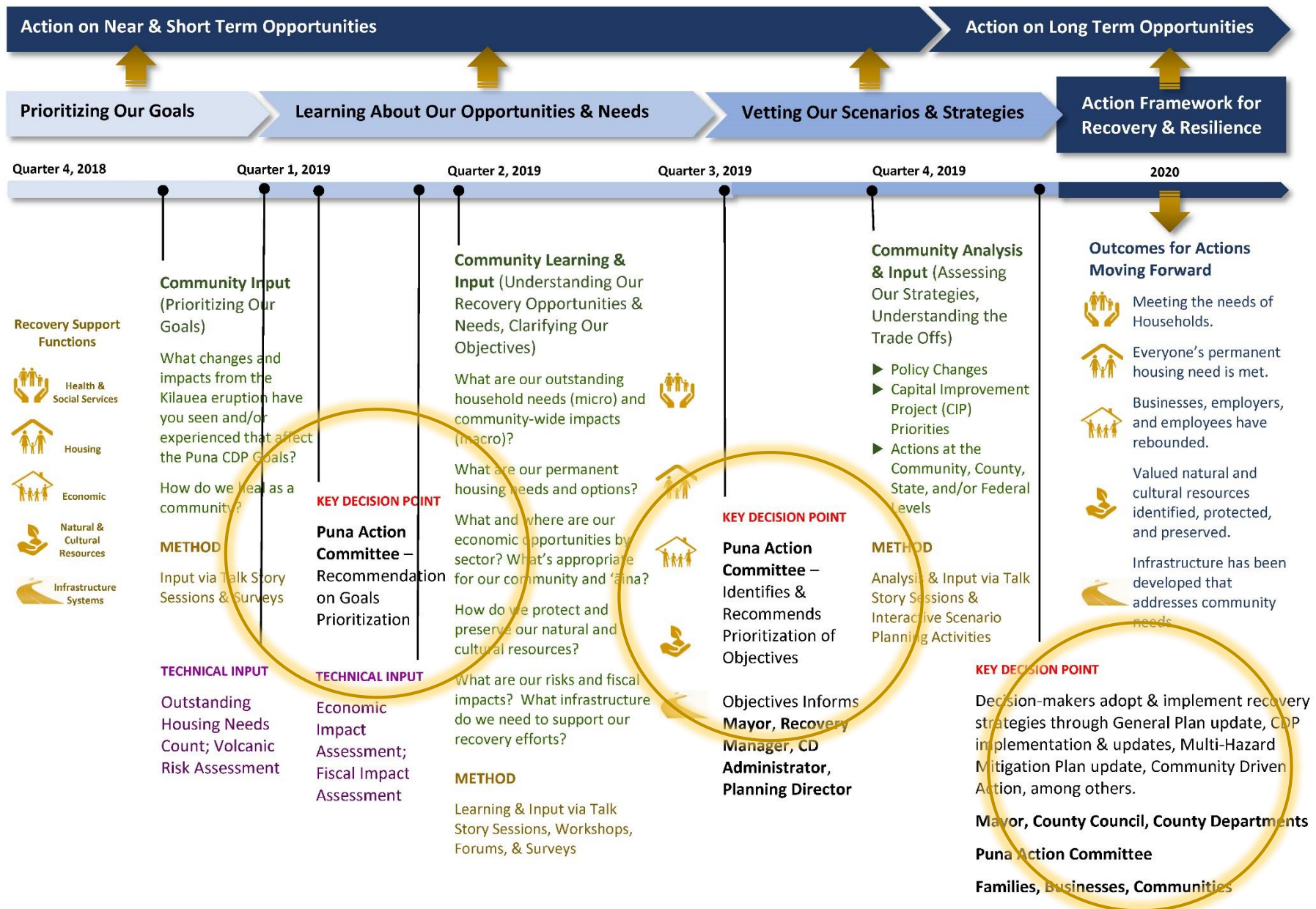
Resilience to
Future Volcanic &
Other Hazards

Resilient

Recovery

Kilauea Eruption Recovery Process & Timeline

DRAFT (November 14, 2018)



Near Term Actions

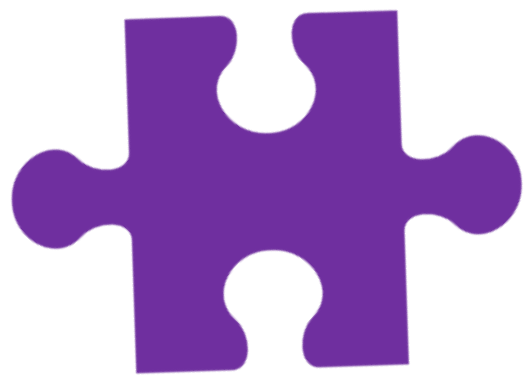


Puna CDP Goals



Village Town Centers

Residential & Economic Development



Health & Well Being

Resilient Health



Natural & Cultural Resource Management

Putting 'Āina First



Infrastructure

Livable Spaces



Priority Recovery Goals

COMMUNITY RECOVERY PRIORITIES

VILLAGE TOWN CENTERS

Residential and Economic Development

INFRASTRUCTURE

Livable Spaces

NATURAL & CULTURAL RESOURCE MANAGEMENT

Putting 'Āina First

HEALTH AND WELL BEING

Resilient Health



Close proximity
to amenities



Shared Community
Identity



Road Connectivity



Visitor Infrastructure/
Parking



Natural Asset
Protection



Pono Lava Viewing



Domestic Violence



Kūpuna Care



More Living Wage Job
Opportunities



New Farmer's
Markets



Family Gathering
Spaces & Parks



Reliable
Mass Transit



Place Based
Education



Clean the
Environment



Mental Health
Services



Healthy Nutrition



Shared work
spaces



STEAM Industries



Access for
gathering practices



Internet
Connectivity



Local Food Crops



Preserve Native
Ecosystems



Economic Opportunity



Education



Community Based
Tourism



Affordable Housing
Options



Green Energy



Water & Wastewater



Bio-Security



Economic Opportunity



First Aid Training



Trauma Care

COMMUNITY ENGAGEMENT

1,000+ Community Members Engaged Crosswalk General Plan and all CDPs



103 meetings, talk story and events with:



SCHOOLS



NON-PROFITS



EMPLOYERS



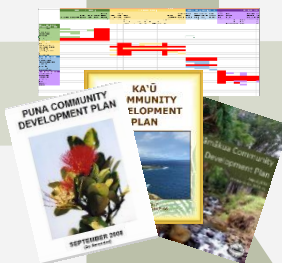
FARMER'S
MARKETS



FAITH-BASED
ORGANIZATIONS



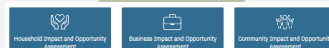
RESIDENT
HOSTED



257 comments from 140+
attendees at SpeakOut Event



190 + Survey Responses



Online Engagement



Input Events



The Process

PHASE I : Goals

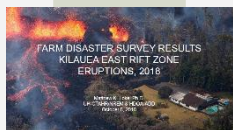
PHASE II: Objectives

**PHASE III:
Strategies/Scenarios**

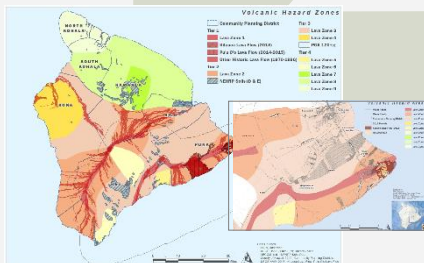


TECHNICAL INPUT/DATA

Review Previous Studies



Risk Assessment



Impact Assessments



Housing Impact



Economic Impact



Fiscal Impact

Vet Measurable Strategies



Analyze Survey Data



Scenario Planning &
Alternative Study

1,000+ Community Members Engaged Crosswalk General Plan and all CDPs

Online Engagement

**The Process
is iterative!**

103 meetings, talk story and events with:



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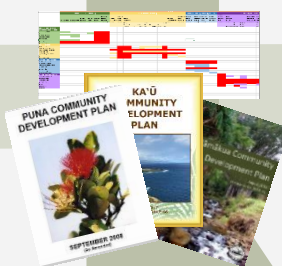
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PHASE II: Objectives

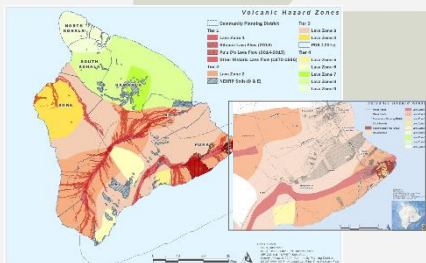
**PHASE III:
Strategies/Scenarios**

PAUSE

Review Previous Studies



Risk Assessment



Impact Assessments



Housing Impact



Economic Impact



Fiscal Impact

Vet Measurable Strategies



Analyze Survey Data



Scenario Planning &
Alternative Study

COMMUNITY ENGAGEMENT

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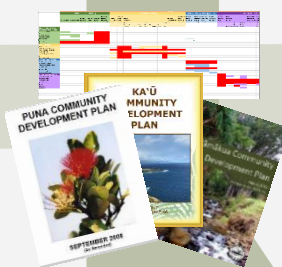
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**The Process
is iterative!**

PHASE I: Goals

PHASE II: Objectives

**PHASE III:
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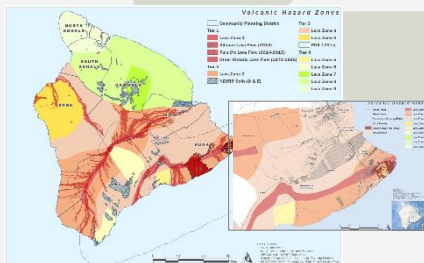


TECHNICAL INPUT/DATA

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**PHASE III:
Strategies/Scenarios**

Vet Measurable Strategies



Analyze Survey Data



Scenario Planning &
Alternative Study



**POLICY
DECISIONS**



**FUNDING
DECISIONS**

We have to remember...

There are various opinions and perspectives on what recovery should include, where it should happen, what should be prioritized, etc. – just like the story of the 6 blind folded people and the elephant– we need to make sure we are looking at both the **WHOLE** picture and the specific parts.



It's a kākou thing!

Amenities and Services

INTENT

- **Basic** amenities and services
- **Within** village and town centers
- Provide **jobs** and **economic opportunities**

- 91% agree – 169
- 5% neutral – 9
- 4% disagree – 8

EXAMPLES

retail, groceries, child care, dining, entertainment, parks, education and economic opportunity

Common sense, brah.

Do it **within existing communities** and you have some goodness.

So people **travel shorter distances** for employment, childcare, and shopping.

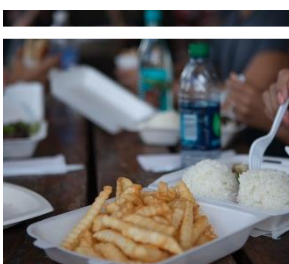
Less travel time and cost for residents. Better **jobs closer to home.**

Village Town Centers / Residential & Economic Development

O Ka hale e ku, o ke kanaka e noho.
Where a house stands, there man dwells.

Not all small rural communities must have amenities, services, and economic opportunities. These are **already available within a reasonable distance.**

I do not support further development in my community.



Housing Options

INTENT

- **Rural and urban** affordable housing choices
 - **Diversity** of housing **types and locations**
 - address the **range of affordability needs**
- 72% agree – 131
 - 15% neutral – 27
 - 13% disagree – 24

EXAMPLES

- Improve **existing**, increase **new** housing stock
- Increase **affordability**
- **infrastructure** support and access to **services**

Village Town Centers / Residential & Economic Development

O Ka hale e ku, o ke kanaka e noho.
Where a house stands, there man dwells.

Kūpuna housing is needed and important.

It's **not government's job** to provide housing for everybody who wants housing.

I believe in the **freedom to choose** where you want to live. There should be **choices**.

Housing is **not a “one-size-fits-all”** subject.

Agree, however, **where?**

There are **more than enough housing lots** in the Puna District already.

We want the **improvements in our current areas**.



Local Economy

INTENT

- **Number and diversity** of income sources
- **Living wage**
- **Jobs and entrepreneurial opportunities**
- Complement the ecology, culture and evolving demographics

- 84% agree – 151
- 9% neutral – 17
- 7% disagree – 13

EXAMPLES

- “**Green**” sectors
- Visitor industry that is **pono**
- **Small business** and **entrepreneurial** development

We absolutely need to **bring back tourists**.

I think there is **too much emphasis on the visitor industry** – and the island needs a more diverse economy to be resilient.

County and State **governments impede job creation** with too many barriers.

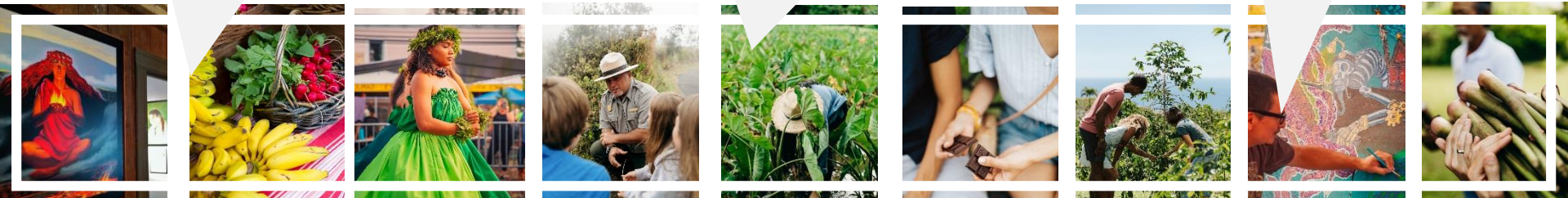
Without adequate **support and action of our elected officials** nothing happens.

Village Town Centers / Residential & Economic Development

O Ka hale e ku, o ke kanaka e noho.
Where a house stands, there man dwells.

Hawai‘i County needs **sustainable industries** that will provide **good paying jobs** for its residents. We need to **stop the brain drain** from our island.

Agriculture is the industry that **keeps East Hawai‘i stable**.



Transportation

INTENT

- Complete **roadway connectivity**
- Safe, convenient, accessible, and affordable **transportation system**.

EXAMPLES

- **Road connectivity points** for local traffic, emergency and evacuation routes
- **Multi-modal transportation system**
- **Roadway alternatives**

Public transportation is an absolute must, especially of a kind that is **affordable and reliable**.

All modes of transport is needed.



Infrastructure

O ke kahua mamua, mahope ke kūkulu

The site first, and then the building /

Learn all you can, then practice

- 92% agree – 170
- 2% neutral – 4
- 6% disagree – 11

Connectivity is our #1 issue.

I worry about the **accessibility of my house**, in the event of an emergency.

Establish **emergency access**, yes. However we shouldn't be investing in new paved **roadways in lava prone areas**.

Utilities

INTENT

- Restore, improve and expand
- **Adequate and affordable utilities**

EXAMPLES

- Access to phone and internet services
- Potable (drinking) water and wastewater systems
- Green energy infrastructure

Potable water is critical especially because of diseases such as leptospirosis and rat lung worm.

I live on catchment and trust my water source because I control its cleanliness.

Infrastructure

O ke kahua mamua, mahope ke kūkulu

*The site first, and then the building /
Learn all you can, then practice*

- 88% agree – 162
- 9% neutral – 16
- 3% disagree – 6

Better **cell phone service and internet hotspots** are needed for safety, business and convenience.

It is a sad situation when houses are given **building permits without internet infrastructure**. The county and state need to partner together to see that is a priority for housing.



Gathering Spaces

INTENT

- New and improve existing **built and natural community gathering spaces**
- Restore and improve educational facilities
- **Multifunctional community hubs**

EXAMPLES

- **Pohoiki**
- Prioritize **Kua O Ka Lā** facilities
- **Multifunctional community** and **resilience hubs**

All communities **need a place to gather.**

The hub was a great example.

This is needed, but keep the **religious and spiritual areas separate** from community areas.

Community hubs – schools, parks, and senior centers are important.

Infrastructure

O ke kahua mamua, mahope ke kūkulu

*The site first, and then the building /
Learn all you can, then practice*

- 76% agree – 139
- 16% neutral – 30
- 8% disagree – 15

Kua O Ka Lā PCS is still trying to find permanent locations.

The school is based on Hawaiian values and culture. They hosted many events to the health of the lower Puna community.

We need to **get Pohoiki up and running again.**

Help renovate and subsidize the **spaces that already exist.**



Historical and Cultural Resources

INTENT

- **Historical, cultural, and scenic resources**
- **Shoreline public access**
- **Agricultural land and open space preservation**

EXAMPLES

- Increase **public access** sites
- Restore **native habitat**
- Preserve/restore **significant historic and cultural sites**

These things represent **important cultural values** and the Hawaiian practice of **sharing aloha** for our 'āina.

Shoreline access is important, however we should **also respect the rights of individuals** who own the land and maintain it.

Natural & Cultural Resource Management

He ali'i ka 'āina, he kauā ke kanaka

The land is the chief, man is the servant.

Referring to man having to take care of the land in order for man to survive.

- 91% agree – 168
- 8% neutral – 15
- 1% disagree – 2

We **lost** our safe **places to access the ocean.**

Fishermen are **still waiting for boat ramp.**

Gathering rights for native Hawaiians **must be honored** in these spaces.



Native Ecosystems

INTENT

- **Restoration of native ecosystems and habitats**
- **Significant natural and cultural features**
- **Ecologically sensitive lands** mauka to makai

EXAMPLES

- **Protect/preserve native forests and geological features**
- **action against invasive species**
- **Public and private collaboration** on restoration projects

Protect, preserve and restore is the best thing we can do in order for our natural native ecosystem to thrive.

Lot of area was destroyed so we have to **take care of what we have left.**

Primary focus should be on **invasives.**

Provide additional and committed annual funding to prevent the further degradation of these open areas by slowly encroaching **invasive plants.**

Natural & Cultural Resource Management

He ali'i ka 'āina, he kauā ke kanaka

The land is the chief, man is the servant.

Referring to man having to take care of the land in order for man to survive.

- 88% agree – 163
- 9% neutral –16
- 3% disagree – 5

Yes, but **need to balance** w/ housing and economic growth needs.

The County shouldn't be wasting its small budget on things such as this. There are **private organizations and individuals** who do this.



Physical and Mental Health

INTENT

- Access to **quality health services**
- Options and facilities that **promote physical activity and healthy lifestyle**
- **Keiki to kūpuna**

EXAMPLES

- **Spectrum of facilities, services and programs**
- Sensitive to diversity of cultures, beliefs, and needs

Most especially we need **dialysis in Puna.**

We need **dentists.**

So many people are dealing with lingering effects of the **trauma** and post-eruption issues that having counselors available would be helpful.

No one cares this whole place has **PTSD.**

Health and Wellbeing

Loa'a ke ola i Hālau-a-ola

Life is obtained in the house of life.

Used when one is returned to safety, happiness, or well-being.

- 88% agree – 162
- 9% neutral – 17
- 3% disagree – 5

The **distance to a hospital** from lower Puna is well over an hour.

We **don't have enough medical facilities** compared to population.

Puna Community Medical Center was created with these services in mind.



Social Health and Safety

INTENT

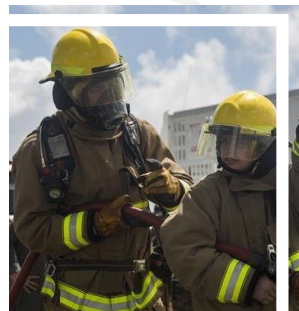
- Access to **quality social services**
- **Increase** police, fire, and emergency **personnel**

EXAMPLES

- **Wrap around social services**
- Community based, culturally relevant, individualized, family centered
- Restore and harden **critical and emergency facilities**

There are **many people in need of social services** in Puna, and if their needs are unmet, the consequences are felt by the entire community.

Get the **services to where the people live.**



Health and Wellbeing

Loa'a ke ola i Hālau-a-ola

Life is obtained in the house of life.

Used when one is returned to safety, happiness, or well-being.

- 83% agree – 154
- 14% neutral – 26
- 3% disagree – 5

Emergency services and police responsiveness are key to a healthy community.

We have a **VERY low number of police** for the Puna district. They do the best they can.

We are in an **emergency desert.**

Family Economic Health

INTENT

→ Increase the percentage of **residents that are economically self-sufficient**

EXAMPLES

- Community-based **food systems**
- **Family Financial Empowerment Services**
- **Diversified options** to meet basic needs

How can government do this? Of course all would be great if can . . .

Lot's of **jobs in Hawai'i don't pay enough** for people to be able to afford to live in Hawai'i.

It's a great idea to **improve the economy in a sustainable, locally relevant way.**

Health and Wellbeing

Loa'a ke ola i Hālau-a-ola

Life is obtained in the house of life.

Used when one is returned to safety, happiness, or well-being.

- 87% agree – 158
- 11% neutral – 20
- 2% disagree – 3

Local food production is another wave that is a must for future social and personal health.

It is ridiculous that an area with the agricultural potential of Puna **depends so much upon food from elsewhere.**

We must **expand community-based food systems** and begin this in the schools. **‘Āina based educational initiatives/careers** must be supported.



Proposed Motion

The Puna CDP Action Committee recommends the **intent of the recovery objectives** as presented by the County of Hawai'i Recovery Team and revised by the PCDP Action Committee **to be the priority recovery objectives for the Kīlauea Eruption Recovery planning process**, which will advance the priority recovery goals confirmed by the Action Committee at the May 21, 2019 PCDP Action Committee meeting.

KĪLAUEA ERUPTION RECOVERY
TALK
TAKE ACTION

IMPACT STATUS SURVEYS

Share your voice.

Shape your Hawai'i Island!

surveys available through **August 30!**

<https://recovery.hawaiicounty.gov/connect/impact-status-survey-suite/>





Me Ka Mahalo Nui