

9 MONITORING PLAN: Are We Making Progress?

This chapter outlines the types of “indicators” that can be used to monitor the effectiveness of the policies and programs of the South Kohala CDP. An “**indicator**” is something that *helps a community to understand where it is, which way it is going, and how far it is from where it wants to be*. Indicators in the South Kohala CDP will be used to serve as an information resource to provide a snapshot of current community conditions and trends based on selected quantitative and qualitative data gathered from a variety of sources.

A report card will answer each **evaluative question** below with the following grades:

+ GOOD TREND OR PROGRESS

/ NO CHANGE

- NO IMPLEMENTATION ACTION TAKEN, BAD TREND, WORSENING CONDITION

9.1 DISTRICT-WIDE POLICIES MONITORING PROGRAM

9.1.1 PRESERVE THE CULTURE AND SENSE OF PLACE OF SOUTH KOHALA COMMUNITIES

Evaluative Question: How many programs and actions has the County Cultural Resources Commission taken to protect South Kohala historical and cultural sites?

Indicators:

- Number of programs or actions that the Cultural Resources Commission has established to protect South Kohala sites and sites County-wide.

Data Source: County of Hawai'i Cultural Resources Commission

- Number of sites identified as “culturally important” by the Cultural Resources Commission

Data Source: County of Hawai'i Cultural Resources Commission

Evaluative Question: Can existing infrastructure systems support planned new developments?

Indicators:

- Number of infrastructure concurrency standards that have been established by the County Planning Department and approved by the South Kohala CDP Action Committee

Data Source: County of Hawai'i Planning Department

- Number of building permits, subdivision applications, rezoning applications, or plan reviews that have been approved by the County Planning Department in the district of South Kohala.

Data Source: County of Hawai'i Planning Department

- Number of new capital improvement projects funded by Federal, State, County, or private monies that are in the planning, design, or construction phases in the district of South Kohala.
Data Source: State CIP list, County CIP list.

9.1.2 PROVIDE FOR THE TRANSPORTATION AND CIRCULATION NEEDS OF THE SOUTH KOHALA COMMUNITY AND FOR COMMUTERS TO / FROM SOUTH KOHALA.

Evaluative Question: Has traffic congestion in the district's major population centers improved?

Indicators:

- Traffic counts
Data Source: State DOT Periodic Traffic Surveys in the district's population centers
- Commute Times
Data Source: State DOT Traffic Branch

Evaluative Question: Are we providing alternative choices to reduce dependence on automobiles?

Indicators:

- Increase in total linear miles of pedestrian / bike / equestrian paths in the district
Data Source: County GIS
- Number of bus routes that service areas within the district
Data Source: County Mass Transit Agency
- Number of trips residents take in which they do not use an automobile
Data Source: Community surveys administered by the CDP Action Committee

9.1.3 PROVIDE AFFORDABLE AND WORKFORCE HOUSING RESOURCES FOR LOW AND MODERATE INCOME INDIVIDUALS AND FAMILIES OF SOUTH KOHALA

Evaluative Question: How expensive are the median home prices and rents in South Kohala relative to the average median income of district residents?

Indicators:

- Median home prices and median rent prices in South Kohala
Data Source: Kona Board of Realtors
- Median income for South Kohala residents
Data Source: County of Hawai'i Data Book, U.S. Census, State Department of Business Economic Development and Tourism

Evaluative Question: Has the South Kohala Community organized one or more community-based non-profits for the development of affordable housing?

Indicator:

- Number of affordable housing non-profits that have been organized in South Kohala
Data Source: CDP Action Committee

Evaluative Question: Is the inventory of affordable homes increasing?

Indicators:

- Number of homes where the fee title is owned by government or a non-profit, or a privately owned home subject to buy back, controlled or shared appreciation, by government or a non-profit
Data Source: County Office of Housing and Community Development
- Number of homes on the market that have sale prices below the South Kohala median home price
Data Source: Board of Realtors
- Number of rentals that are being rented below the South Kohala median rental price
Data Source: Board of Realtors
- Number of Hawaiian Homesteads that have been awarded to beneficiaries in South Kohala
Data Source: Department of Hawaiian Home Lands

9.1.4 DEVELOP PROGRAMS AND STANDARDS THAT WILL PROTECT THE SOUTH KOHALA COMMUNITY FROM NATURAL HAZARDS, INCLUDING MAJOR STORMS, FLOODING, TSUNAMI, LAVA FLOWS, AND WILDFIRES

Evaluative question: How many emergency routes are there in the district?

Indicator:

- Number of emergency routes that are in the planning, design, or construction phases of development
Data Source: State CIP list, County CIP list

Evaluative question: How many hazard mitigation programs or standards have been approved by County agencies and the CDP Action Committee?

Indicator:

- Number of standards or programs that have been approved by County agencies and the CDP Action Committee
Data Source: County Planning Department, CDP Action Committee

Evaluative question: Has the threat of natural hazards to lives or property been reduced?

Indicators:

- Number of occurrences of manmade wildfires
Data Source: County Fire Department
- Proximity of wildfire burns to developed areas
Data Source: County Fire Department
- Acreage of land being actively grazed in the district
Data Source: County Finance Department
- Property damage (in dollar amount) or lives that have been lost due to a natural hazard
Data Source: FEMA, Insurance companies, State and County Civil Defense

9.1.5 DEVELOP GUIDELINES AND PROGRAMS THAT PROMOTE ENVIRONMENTAL STEWARDSHIP AND SUSTAINABILITY

Evaluative Question: How well are we protecting our water resources?

Indicators:

- Number of new water conservation measures that have been developed by the County
Data Source: County Department of Water Supply
- Number of water conservation plans that have been submitted by new large scale developments in the district
Data Source: County Department of Water Supply, County Planning Department
- Number of new absorption systems for new septic systems that have been installed in South Kohala
Data Source: County Department of Environmental Management, County Planning Department
- Progress on establishing regular water quality monitoring programs for the district's water resources
Data Source: CDP Action Committee
- Turbidity levels of marine waters of the district
Data Source: State Department of Health
- Bacteria levels in groundwater, anchialine ponds and in sand on beaches
Data Source: State Department of Health

Evaluative Question: Are we promoting green building and green design?

Indicators:

- Number of LEED certified buildings in the district
Data Source: County Planning Department
- Progress made by the County to establish tax incentives to encourage LEED developments
Data Source: County Finance Department, County Clerks Office

Evaluative Question: How well is the County enforcing its lighting code?

Indicators:

- Number of lighting code citations issued by the County
Data Source: County Planning Department
- Level of ambient glare in night time skies
Data Source: Mauna Kea Observatory

Evaluative Question: How well are we managing our watersheds?

Indicators:

- Number of watershed management programs that have been or are planned to be developed
Data Source: CDP Action Committee, County Planning Department
- Number of watershed management projects that have been implemented including: number of vegetative cover restoration projects, number of detention basins, or other run-off control programs
Data Source: CDP Action Committee, County Planning Department
- Marine water quality
Data Source: State Department of Health

9.2 WAIMEA TOWN PLAN MONITORING PROGRAM

9.2.1 PRESERVE THE SENSE OF PLACE OF WAIMEA TOWN

Evaluative Question: Are we maintaining Waimea’s rural character and preserving agriculture?

Indicators:

- Land area in agricultural use or in conservation easements
Data Source: County Planning Department
- Acreage of privately owned lands in the “Pu’u Protection Zone” that has been either voluntarily down-zoned or put into conservation easements.
Data Source: County Planning Department
- Value of tax credits that have been granted to Waimea area farmers
Data Source: County Finance Department
- Progress made on establishing Waimea as an official “historic district”
Data Source: CDP Action Committee
- Number of trees identified by the Waimea Trees Advisory Committee as “exceptional”
Data Source: Waimea Trees Advisory Committee

9.2.2 “RESPONSIBLE GROWTH”: MODERATE THE PACE OF GROWTH AND CHANGE IN WAIMEA

Evaluative Question: Has the pace of growth and change in Waimea increased or decreased?

Indicators:

- Number of acres that have been rezoned by the County of Hawai‘i from agriculture to urban-type uses from year to year
Data Source: County of Hawai‘i Planning Department
- Number of acres that have been re-designated from “Low Density Urban” on the General Plan LUPAG map to less intensive type of LUPAG designation
Data Source: County of Hawai‘i Planning Department
- The rate of Waimea Town’s population growth per decade (as indicated by the U.S. Census, Waimea Census Designated Place)
Data Source: U.S. Census Bureau

Evaluative Question: What is the status of the Parker 2020 Plan implementation?

Indicators:

- Number of building permits issued for the Parker 2020 Plan
Data Source: County of Hawai‘i Planning Department
- Number of linear feet of inter-town constructed roadways (Parker Connector Road and/or Lālāmilo Connector Road)
Data Source: County of Hawai‘i Planning Department

9.2.3 ENVIRONMENTAL STEWARDSHIP

Evaluative Question: Has the amount of land currently identified as IAL increased, decreased, or remained the same?

Indicator:

- Number of acres designated as IAL
Data Source: County of Hawai‘i Planning Department

9.2.4 DEVELOP AFFORDABLE HOUSING FOR WAIMEA

Evaluative Question: How expensive are the median home prices and rents in Waimea relative to the average median income of Waimea residents?

Indicators:

- Median home prices and median rent prices in Waimea
Data Source: Kona Board of Realtors
- Median income for Waimea residents
Data Source: County of Hawai‘i Data Book, U.S. Census, State Department of Business Economic Development and Tourism

Evaluative Question: Has the South Kohala Community and/or Waimea Community organized one or more community-based non-profits?

Indicator:

- Number of affordable housing non-profits that have been organized in South Kohala and/or Waimea

Data Source: CDP Action Committee

Evaluative Question: Is the inventory of affordable homes increasing?

Indicators:

- Number of homes where the fee title is owned by government or a non-profit, or a privately owned home subject to buy back, controlled or shared appreciation, by government or a non-profit

Data Source: County Office of Housing and Community Development data

- Number of homes on the market that have sale prices below the South Kohala median home price

Data Source: Board of Realtors

- Number of rentals that are being rented below the South Kohala median sale price

Data Source: Board of Realtors

- Number of Hawaiian Homesteads that have been awarded to beneficiaries for the Lālāmilo Homesteads or Pu‘u Kapu Homesteads.

Data Source: Department of Hawaiian Home Lands

9.2.5 TIMELY IMPLEMENTATION OF NEEDED TRANSPORTATION AND CIRCULATION IMPROVEMENTS

Evaluative Question: Are we providing alternative choices to reduce dependence on automobiles?

Indicators:

- Increase in total linear miles of pedestrian / bike / equestrian paths in the district

Data Source: County GIS

- Number of trips residents take in which they do not use an automobile

Data Source: Community surveys administered by the CDP Action Committee

Evaluative Question: Has the needed roadway infrastructure been developed to alleviate traffic in Waimea Town?

Indicators:

- Number of linear feet of newly constructed inter-town roadways (Parker Connector Road and/or Lālāmilo Connector Road)

Data Source: County Department of Public Works

- Progress of the Waimea Bypass and/or Kawaihae Road Bypass Projects

Data Source: State Department of Transportation

9.3 WAIKOLA VILLAGE PLAN MONITORING PROGRAM

9.3.1 PROVIDE INFRASTRUCTURE AND FACILITIES FOR A GROWING COMMUNITY

Evaluative Question: Has progress been made to provide Waikoloa Village and the surrounding area with needed infrastructure and facilities?

Indicators:

- Amount of County CIP money designated for Waikoloa area infrastructure projects
Data Source: County Finance Department
- Amount of State CIP money designated for Waikoloa area infrastructure projects
Data Source: State Department of Accounting and General Services
- Number of public/private partnerships that have been formed to provide for infrastructure
Data Source: County Planning Department
- Number of Community Facility Districts that have been implemented
Data Source: County Finance Department

Evaluative Question: Has progress been made with the State Department of Education towards programming future elementary, middle, and high schools in the Waikoloa area?

Indicators:

- Number of commitments made between the Waikoloa community and the State Department of Education for building needed schools in the community.
Data Source: South Kohala Community Action Committee

9.3.2 ENVIRONMENTAL STEWARDSHIP

Evaluative Question: Are the unique natural resources in the Waikoloa area being protected?

Indicator:

- Number of trees in the “Waikoloa Dry Forest Recovery Project” area that are healthy.
Data Source: Waikoloa Village Outdoor Circle

Evaluative Question: Are we doing our part to be more energy-efficient and using renewable energy sources?

Indicators:

- Number of homes with solar photovoltaic or solar hot water heating installations per lot, as a percentage of the total homes
Data Source: County Planning Department
- Number of acres used for alternative energy facilities
Data Source: County Planning Department

9.3.3 PROVIDE TRANSPORTATION AND CIRCULATION IMPROVEMENTS IN A TIMELY MANNER

Evaluative Question: Has progress been made to plan, fund, design, and construct needed roadways in Waikoloa Village?

Indicators:

- Amount of County CIP money designated for Waikoloa area road projects
Data Source: County Finance Department
- Amount of State CIP money designated for Waikoloa area road projects
Data Source: State Department of Accounting and General Services
- Number of public/private partnerships that have been formed to provide for roadways
Data Source: County Planning Department

9.3.4 ENCOURAGE AFFORDABLE HOUSING AND SMART GROWTH

Evaluative Question: Have development patterns become more centered around existing development in the Waikoloa Village area?

Indicators:

- Number of acres of new urban development that have been or will be developed that are within close proximity of Waikoloa Village versus the number of acres of new urban development that have been or will be developed that are not within close proximity of Waikoloa Village
Data Source: County Planning Department
- Number of acres of land that are zoned as Agriculture by the County that are still undeveloped open space areas
Data Source: County Planning Department

9.4 KAWAIHAE COMMUNITY PLAN MONITORING PROGRAM

9.4.1 CREATE A BALANCE OF RECREATIONAL, COMMERCIAL, AND INDUSTRIAL USES AROUND THE HARBOR AREA WHILE PRESERVING THE CULTURAL AND HISTORICAL IMPORTANCE OF THE AREA

Evaluative Question: To what extent have plans been implemented for the Kawaihae area for recreational, commercial, or industrial uses?

Indicators:

- Completion and implementation of the State DOT Commercial Harbors 2030 Plan Update
Data Source: State Department of Transportation Harbors Division
- Implementation progress of the State DLNR Division of Boating and Ocean Recreation Kawaihae Small Boat Harbor Master Plan

Data Source: State DLNR DOBAR

- Implementation progress or update progress of State Department of Hawaiian Homelands Kawaihae Master Plan
Data Source: State Department of Hawaiian Home Lands
- Numbers of acres with readily available access for recreational activities
Data Source: County Planning Department, County Department of Parks and Recreation, State DLNR DOBAR

Evaluative Question: Has the integrity of the community's historic and cultural resources been preserved?

Indicator:

- Number of historic and cultural sites that have been identified by the County Historic Preservation Commission
Data Source: County Historic Preservation Commission

9.4.2 ESTABLISH ADDITIONAL SOURCES OF POTABLE WATER FOR THE KAWAIHAE AREA

Evaluative Question: Has progress been made in developing additional sources of potable water for the Kawaihae area?

Indicators:

- Progress on the development of the Ouli Well Field
Data Source: County Department of Water Supply, Bridge 'Āina Le'a
- Progress on feasibility studies for desalination plant
Data Source: CDP Action Committee

9.4.3 IMPROVE THE MARINE WATER QUALITY ALONG THE KAWAIHAE COAST

Evaluative Question: Has progress been made to improve the marine water quality along the Kawaihae Coast?

Indicators:

- Number of programs planned or being implemented to re-vegetate the mauka areas of the watershed
Data Source: South Kohala CDP Action Committee
- Progress on finding local sponsor(s) to fund feasibility studies and restoration projects for Pelekane Bay
Data Source: South Kohala CDP Action Committee

Evaluative Question: Has the marine water quality along the Kawaihae Coast improved?

Indicators:

- Turbidity levels of marine water in Pelekane Bay
Data Source: State Department of Health
- Bacteria levels in water and in sand on beaches
Data Source: State Department of Health

9.4.4 IMPROVE TRAFFIC SAFETY FOR VEHICULAR AND NON-VEHICULAR TRANSPORTATION ALONG AKONI PULE HIGHWAY

Evaluative Question: Has traffic safety for vehicular and non-vehicular traffic along Akoni Pule Highway improved?

Indicators:

- Number of accidents occurring along roadway corridor
Data Source: County Police Department
- Local community's perception of safe environment along the roadway corridor
Data Source: Survey of local residents

9.5 PUAKŌ COMMUNITY PLAN MONITORING PROGRAM

9.5.1 MANAGE THE EFFECTS OF GROWTH AND DEVELOPMENT

Evaluative Question: Is the historical integrity of Puakō being preserved?

Indicators:

- Physical condition of Puakō historic and cultural resources
Data Source: Puakō Community Association
- Number of new developments built within close proximity of historic and cultural resources
Data Source: County Planning Department
- Number of appropriate programs and activities associated with the historic and cultural resources
Data Source: Puakō Community Association

Evaluative Question: To what degree are the appropriate government agencies managing park areas, recreational facilities, and public access corridors?

Indicators:

- Number of incidences of reported public disturbances at coastal parks and beaches
Data Source: DOCARE, County Police, Puakō Community Association
- Physical condition of park areas, recreational facilities, and (i.e. frequently littered, moderately littered, or rarely littered or sanitary or unsanitary)
Data Source: Puakō Community Association

9.5.2 MITIGATE THE RISKS OF NATURAL DISASTERS

Evaluative Question: To what degree have programs and projects been implemented to mitigate the risks of natural disasters?

Indicators:

- Progress made on the Paniau Evacuation Route
Data Source: County Planning Department, County Department of Public Works
- Condition of existing fuel break behind mauka houseslots
Data Source: Puakō Community Association
- Progress made on establishing a fuel break between Queen Ka’ahumanu Highway and the northeastern section of Puakō Beach Drive
Data Source: County Department of Public Works, County Planning Department, South Kohala Action Committee
- Number of detention basins in flood plain
Data Source: County Civil Defense, County Planning Department
- Number of early warning systems that have been upgraded
Data Source: County Civil Defense
- Number of Puakō residents who have received CERT training
Data Source: Puakō Community Association

9.5.3 ENVIRONMENTAL STEWARDSHIP

Evaluative Question: Has progress been made to improve the marine water quality along the Puakō Coastline?

Indicators:

- Progress made on planning, designing, and construction of a sewer system for Puakō
Data Source: South Kohala Community Action Committee
- Progress made on establishing community watch programs
Data Source: Puakō Community Association
- Frequency of collecting data on water quality along the Puakō coast
Data Source: State Department of Health

Evaluative Question: Has the marine water quality along the Puakō coastline improved?

Indicators:

- Turbidity levels of marine water in Pelekane Bay
Data Source: State Department of Health
- Bacteria levels in water and in sand on beaches
Data Source: State Department of Health

Evaluative Question: Is the Puakō forest being properly managed?

Indicators:

- Frequency of thinning the forest
Data Source: Puakō Community Association

- Number of recreational programs or plans being designed or implemented for the forest
Data Source: Puakō Community Association

9.5.4 INCREASE TRAFFIC SAFETY

Evaluative Question: Has the Puakō community reached consensus on appropriate courses of action to improve traffic safety?

Indicator:

- Number of traffic safety programs or actions that the community has reached consensus on to implement
Data Source: Puakō Community Association

Evaluative Question: Has progress been made on improving the safety for vehicles merging onto Queen Ka'ahumanu Highway from Puakō Beach Drive?

Indicator:

- Progress made finalizing the Kawaihae Road Bypass
Data Source: State Department of Transportation
- Progress made on planning, designing, and constructing a refuge lane for left turns out of Puakō onto Queen Ka'ahumanu Highway.
Data Source: State Department of Transportation

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