




Environmental Planning Office (EPO)

Environmental Health Administration
EMD (CAB, CWB, SHWB, SDWB, & WWB),
EHSD, SLD, HEER, ERO, EIM & CAO


Climate Change – EHA Actions

- Clean Air Branch –
 - Greenhouse Gas Rules – HAR Chapter 11-60.1
- Clean Water Branch –
 - Conducting studies
 - Increased monitoring
- Safe Drinking Water Branch –
 - Updated the State Water Quality Plan – now in Draft, Final 2015
- Wastewater (Water Reuse) Branch -
 - Updating guidelines for the treatment and reuse of recycled water
 - Proposed rule revisions to phase out cesspools
- Sanitation, Food & Drug, Vector -
 - Improved food inspection system – placard and increased frequency
 - Increased the number of vector staff on all islands, especially near airports
- Environmental Planning Office -
 - Comments on EA's and EIS's consideration climate change impacts




Climate Change – EHA actions

- Clean Air Branch –health.hawaii.gov/cab
 - Passed new Greenhouse Gas (GHG) Rules
 - updated HAR Chapter 11-60
 - Effective June 30, 2014
 - Subchapter 11, establishes a GHG regulatory program in Hawaii
 - More information:
 - <http://health.hawaii.gov/cab/final-amendments-to-hawaii-administrative-rules/>




Climate Change – EHA actions

- Clean Water Branch - health.hawaii.gov/cwb
 - Plans to conduct studies to examine the effects of changing weather patterns and ocean chemistry as a result of climate change as part of an update to Water Quality Standards
- Safe Drinking Water Branch - health.hawaii.gov/sdwb
 - Drafted an update to the State Water Quality Plan
 - Public meeting on September 16th, 2014
 - Comment period on the plan ended October 17th, 2014
 - SDWB is now working on updating the Draft, Final 2015




Climate Change – EHA actions

- Wastewater Branch - health.hawaii.gov/wwb
 - Updating the Guidelines for the Treatment and Reuse of Recycled water to promote increased water reuse to reduce the amount of drinking water used.
 - Reused water for activities such as landscape irrigation
 - Necessary given the increase in salinity of drinking water wells as sea level rises.




Climate Change – EHA actions

- Sanitation, Food & Drug
 - Improved Restaurant inspection system – placards
 - Increased number of restaurant inspectors and inspections
- Vector Branch
 - Increasing the number of vector inspectors particularly at international airports (stop dengue mosquitos)
 - Participate on the Hawaii Invasive Species Council (HISC)




Climate Change – EHA actions

- Environmental Planning - health.hawaii.gov/epo
 - Gathering and disseminating relevant information
 - Commenting on Land Use Documents
 - Environmental Assessments & Environmental Impact Statements (EA & EIS - Chapter 343 under OEQC)
 - regarding SLR projects, new FEMA flood maps, and encourage retreat from shoreline)
 - Partner with Others
 - Managing 6 grants to non-profits to clean up marine debris (due to increased storms resulting from climate change)
 - Work closely with DLNR, DBEDT OP CZM, EPA, CDC etc.




Other potential impacts

- Inundation and flooding may lead to contamination of surface and groundwater
- Increased storms leading to excessive storm water that can contain sewage from overflowing manholes or chemicals
- Leptospirosis disease may increase.
- Water borne disease may increase such as cholera
- Ciguatera and other marine pathogens may extend their range as a result of warming oceans, resulting in more toxins in seafood
- Heat waves – lead to increased heatstroke and cardiovascular and kidney disease.
- Injury and death from more frequent and more severe tropical storms and cyclones




Comment

- It is critical that HI maintain the capacity to monitor and mitigate epidemics and tropical diseases not currently in HI, including Ebola.
 - <http://health.hawaii.gov/docd/ebola/>
 - <http://www.cdc.gov/vhf/ebola/>
 - <http://www.who.int/csr/disease/ebola/en/>



Environmental Planning Office

- Laura McIntyre, AICP
- Program Manager, EPO
- Laura.mcintyre@doh.hawaii.gov
- Phone: 586-4338
- <http://health.hawaii.gov/epo/climate-change/>



HAWAII DEPARTMENT OF HEALTH, ENVIRONMENTAL HEALTH SERVICES DIVISION (A-100)

DEPUTY DIRECTOR, ENVIRONMENTAL HEALTH, GARY GILL (PHONE 586-4424)

Environmental Health Services Division Lynn Nakaone (phone 586-4576)	Environmental Management Division Stuart Yamada P.E. (phone 586-4935)
Indoor & Radiological Health Branch Jeff Eckard (phone 586-4700)	Clean Water Branch Alex Wong P.E. (phone 586-4309)
Food Safety & Vector Control Branch Peter Oshiro (phone 586-8000)	Solid & Hazardous Waste Branch Steve Chang P.E. (phone 586-4226)
Hazard Evaluation & Emergency Response Office Dr. Keith Kawakita (phone 586-4249)	Safe Drinking Water Branch Joanna Seto P.E. (phone 586-4298)
Environmental Resources Office Nancy Barlier (phone 586-4575)	Clean Air Branch Nolan Hirai P.E. (phone 586-4200)
Environmental Information Manager Andy Matsumoto (phone 586-4641)	Wastewater Branch Sina Pruder P.E. (phone 586-4294)
	Environmental Planning Office Laura McIntyre AICP (phone 586-4337)
	Compliance Assistance Office Genevieve Salmonson (phone 586-4327)
State Laboratories Division Dr. Christian Whelan (phone 453-6650)	
Environmental Health Analytical Services Branch Wanda Chang (phone 453-6683)	
Medical Microbiology Branch Gail Kunitomo (phone 453-6713)	
Laboratory Emergency Response Program Rebecca Smith (phone 453-5993)	