



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96809

AGENDA
FOR THE LIMITED MEETING OF THE
COMMISSION ON WATER RESOURCE MANAGEMENT

DATE: October 20, 2015
TIME: 8:00 a.m. – 6:00 p.m.
PLACE: Various Sites in West Kaua‘i

DATE: October 21, 2015
TIME: 8:00 a.m. – 5:00 p.m.
PLACE: Various Sites in West Kaua‘i

The Commission on Water Resource Management (Commission) will be conducting a limited meeting (Site Visit) to view portions of the Kōke‘e and Kekaha Ditch Irrigation Systems, Waimea, Kaua‘i, Hawai‘i, including stream diversions, transfer ditches, hydroelectric power plants, water end-users, and associated infrastructure. Due to the access and safety concerns, the Site Visit will be limited to the Commission, necessary staff, and designated witnesses, such that the general public will not be able to be accommodated. All times are tentative and sites are subject to vehicular accessibility and weather conditions permitting.

The Site Visit requires 4WD vehicles due to the rough undeveloped terrain and frequent rainfall in the area. The unimproved roads have limited room for maneuverability and only essential escorted vehicles will be used at the request of the landowner(s). There is no cellular coverage in certain remote areas to be visited, signage is lacking within the extensive forested areas, and there are no emergency medical facilities within a reasonable distance. During the Site Visit, the Commission will not be able to comply with ADA requirements, nor allow for public or private transportation access due to the above, as well as liability concerns of the landowner(s).

The Site Visit is anticipated to be videotaped as feasible, except when the Commission is in recess during vehicular travel and hiking segments at certain sites. Following the designated site visit times on the first date, a separately-noticed public meeting will occur in which public testimony will be accepted on Tuesday, October 20, 7:00 pm at the Waimea Neighborhood Center.

DATE: Tuesday, October 20, 2015

TIME: 8:00 a.m. Meet at Big Save-Times Grocery Store.
9861 Waimea Rd, Waimea, HI 96796

Site 1 10:00 a.m. Mauka Hydropower Plant on Waimea River and ditch overflow.
(if possible, depending on road conditions)

(no access to Waiahulu diversion due to recent rains washing out road)
Kekaha ditch water flows into a siphon and powers a hydropower plant.
After flowing through the power plant, some water is dumped downslope
from the ditch back into Waimea River.

Site 2 10:45 a.m. Visit Black Pipe Siphon.

This is the newly modified siphon that carries Kekaha Ditch water from
the Eastern to the Western side of the valley.

Site 3 11:45 a.m. Visit Menehune Ditch in Waimea.

Water from Kekaha ditch feeds the Menehune ditch for local agriculture in
Waimea.

Site 4 12:15 p.m. Waimea River from swinging bridge to the mouth.

Swinging bridge is iconic recreational site on stream. Water from the
Waimea Hydrologic Unit exits into the ocean at this point.

12:45 p.m. The Commission will be in recess for lunch.

Site 5 2:15 p.m. Visit Hukipo Flume on Kekaha Ditch

Site 6 3:15 p.m. Visit the Waiawa hydropower plant.

Kekaha ditch water flows into a siphon and powers a hydropower plant as
it crosses the Waiawa gulch. Some water leaks from the ditch back into
Waiawa stream and some water is diverted from the ditch into the Waiawa
Reservoir.

Site 7 4:15 p.m. Visit the Kawaiale Pumping Station and Mana Plain Wetland Restoration
site.

This pump keeps water below the rooting depth for agriculture and limits
the flooding risk to Kekaha town.

Site 8 5:15 p.m. Visit Field N Reservoir at the end of the Kekaha ditch system.

Last reservoir that receives water from the Kekaha ditch for distribution to agricultural users.

6:00 p.m. The Commission will be in recess on the Site Visit until it reconvenes on Wednesday, October 21, 2015, at 9:00 a.m. (A separately-noticed public meeting will occur from 7:00 p.m. to 9:00 p.m. at the Waimea Neighborhood Center.)

DATE: Wednesday, October 21, 2015 (Site Visit reconvenes)

TIME: 9:00 a.m. Meet at Kōke'e State Park Lodge.
3600 Kōke'e Road, Waimea, HI 96796

Site 10 10:00 a.m. Visit Waiakoali Stream diversion.

First active diversion that feeds the Kōke'e ditch system. Almost 100% of baseflow is diverted by the dam into the ditch. Prior to being abandoned, a diversion on Mohihi Stream fed water through an addition section of ditch to Waiakoali Stream.

Site 11 10:45 a.m. Visit Kawaikōi Stream diversion.

Almost 100% of water is diverted from Kawaikōi Stream by a dam and feeds a ditch on the right bank. The Kōke'e ditch passes through a flume over the Kawaikōi Stream and merges with water from Kawaikōi Stream. The ditch largely remains in tunnels until it daylights on the other side in the Kauaikinanā watershed.

Site 12 11:30 a.m. Visit Kauaikinanā Stream diversion.

Kōke'e ditch dumps water into the Kauaikinanā Stream, augmenting its flow. The stream is used to convey ditch water past the diversion into the next tunnel. Currently, flow in Kauaikinanā downstream of the diversion is augmented by excess ditch water.

12:30 p.m. The Commission will be in recess for lunch.

Site 13 2:00 p.m. Visit Kōke'e Stream diversion.

The Kōke'e ditch flows in a cement lined ditch until it dumps into the Kōke'e Stream. The flow into the tunnel is currently restricted, and the Kōke'e Stream Diversion sluice gate is completely open permitting water to pass through the diversion and augmenting flow in the Kōke'e Stream downstream of the diversion.

Site 14 4:00 p.m. Visit Kauhao Sluice gate.

On the other side of the Waimea watershed divide, the Kōkeʻe ditch daylights and flows in a mostly unlined ditch. The Kauhao sluice gate serves as an emergency release to prevent excess flows from going downstream in the ditch or into Puʻu Lua Reservoir. The USGS operated a gaging station for many years at the Kauhao Sluice gate.

