

MEDIATION AGREEMENT  
FOR THE WAIMEA WATERSHED AREA

This Mediation Agreement is entered into this 18<sup>th</sup> day of April, 2017, by and between the parties hereto to present reasonable interim instream flow standards to the Commission on Water Resource Management (“Commission”) for its consideration in an effort to resolve disputes arising out of the diversion of water from the Waimea River and its tributaries, and to avoid protracted and time and resource consuming litigation.

WITNESSETH:

WHEREAS, on July 24, 2013, Pō‘ai Wai Ola/West Kaua‘i Watershed Alliance filed a Combined Petition to Amend the Interim Instream Flow Standards for Waimea River and Its Headwaters and Tributaries, and Complaint and Petition for Declaratory Order Against Waste, which concerns the Waimea Watershed in Waimea, Island of Kaua‘i, Hawai‘i;

WHEREAS, on May 27, 2014, the Commission engaged Element Environmental, LLC to develop an inventory of the stream system, water uses, and water users of the Waimea River and its headwaters and tributaries, and to conduct an appropriate investigation of the water systems and the water resources in the area;

WHEREAS, during 2015, the Commission sought and received information on water uses from the agricultural interests and the Department of Hawaiian Home Lands (“DHHL”);

WHEREAS, in October, 2015, the Commissioners, Commission staff, and interested parties familiarized themselves with the stream system and non-stream uses by visiting the area over two days;

WHEREAS, on November 17, 2015, DHHL filed with the Commission a Petition for Reservation of Surface Water of 33.145 MGD;

WHEREAS, also during 2015, in light of the fact that similar petitions have historically taken decades to resolve, the Commission staff approached various parties having an interest in this area and its waters to consider participating in a mediation of the issues involved;

WHEREAS, in December, 2015, the Commission approved engaging a mediator to assist in reaching an agreement between the parties that would be acceptable to the Commission to resolve the issues in the Waimea watershed;

WHEREAS, at its February 16, 2016 duly-noticed meeting, the Commission approved the terms of reference for the mediation, and subsequently, the services of the Collaborative Leaders Network were engaged to conduct the mediation, led by its President, Robert Alm; and

WHEREAS, during November, 2016, a set of controlled releases of water was undertaken by the Commission staff and the parties to assist in the resolution of the issues in this matter.

NOW, THEREFORE, the parties have reached the following points of agreement for consideration and approval by the Commission to guide the Commission staff and these parties in their respective and cooperative handling of the area's water resources in the coming years, and to amend the current interim instream flow standards of the Waimea River, its headwaters and its tributaries:

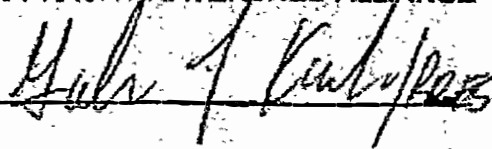
1. The Waimea Watershed Agreement which is attached hereto as Exhibit A.
2. In light of this agreement, it is also agreed that:
  - A. Pō'ai Wai Ola/West Kaua'i Watershed Alliance's Combined Petition to Amend the Interim Stream Flow Standards for Waimea River and Its Headwaters and Tributaries, and Complaint and Petition for Declaratory Order Against Waste (filed July 24, 2013) will be considered to be resolved.
  - B. DHHL will, within thirty days (30) of the approval of this agreement, submit a modified petition to provide for a water reservation of 6.903 MGD from the Kokee Streams, and request that the Commission consider and act on the modified petition within sixty (60) days of its filing. DHHL maintains the right to file, at later dates, additional water reservations for the Waimea Watershed.
3. The terms of this Agreement are submitted to the Commission for consideration and approval. By executing this Agreement, each party represents to the Commission its acknowledgement that, based upon the information obtained to date on stream flows, ditch flows, beneficial in-stream uses and non-stream uses, each party has weighed the importance of the present and potential uses of water, including the economic impact of restricting such uses.
4. The parties recognize and respect the intent of the Water Code, Chapter 174C, H.R.S., and the Commission, including to obtain maximum beneficial use of the waters of the State for purposes such as domestic uses, aquaculture uses, irrigation and other agricultural uses, power development, and commercial and industrial uses, as long as there is adequate provision for the protection of traditional and customary Hawaiian rights, the protection and procreation of fish and wildlife, the maintenance of proper ecological balance and scenic beauty, and the preservation and enhancement of waters of the State for municipal uses, public recreation, public water supply, agriculture, and navigation.
5. Mediation communications and confidential information protected by the Commission's mediation rules, H.A.R. § 13-167-90, and the Uniform Mediation Act, H.R.S. ch. 658H, shall remain confidential regardless of the Commission's decision on this Agreement.
6. This Agreement shall be effective, and interim instream flows shall be established, if at all, upon approval of its terms by the Commission.

Wherefore, the parties affix their signatures to this agreement to evidence their acknowledgment, contribution, and agreement to each of the terms set forth above.

PŌ'AI WAI OLAI  
WEST KAUAI WATERSHED ALLIANCE

STATE OF HAWAII, AGRIBUSINESS  
DEVELOPMENT CORPORATION

By: \_\_\_\_\_  
Its



By: \_\_\_\_\_  
Its

STATE OF HAWAII, DEPT. OF  
HAWAIIAN HOME LANDS

KEKAHA AGRICULTURE  
ASSOCIATION

By: \_\_\_\_\_  
Its

By: \_\_\_\_\_  
Its

KAUAI ISLAND UTILITY  
COOPERATIVE

By: \_\_\_\_\_  
Its

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PŌ'AI WAIOLA/WEST KAUA'I  
WATERSHED ALLIANCE

STATE OF HAWAI'I, AGRIBUSINESS  
DEVELOPMENT CORPORATION

By: \_\_\_\_\_  
Its

By:  \_\_\_\_\_  
Its

STATE OF HAWAI'I, DEPT OF  
HAWAIIAN HOME LANDS

KEKAHA AGRICULTURE ASSOCIATION

By: \_\_\_\_\_  
Its

By: \_\_\_\_\_  
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KAUA'I ISLAND UTILITY  
COOPERATIVE

By: \_\_\_\_\_  
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WATERSHED ALLIANCE

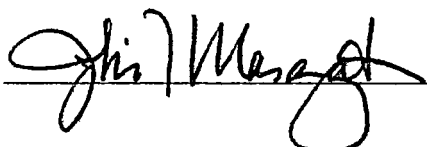
STATE OF HAWAI'I, AGRIBUSINESS  
DEVELOPMENT CORPORATION

By: \_\_\_\_\_  
Its

By: \_\_\_\_\_  
Its

STATE OF HAWAI'I, DEPT OF  
HAWAIIAN HOME LANDS

KEKAHA AGRICULTURE ASSOCIATION

By:   
Its

By: \_\_\_\_\_  
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KAUA'I ISLAND UTILITY  
COOPERATIVE

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DEVELOPMENT CORPORATION

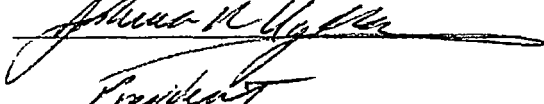
By: \_\_\_\_\_  
Its

By: \_\_\_\_\_  
Its

STATE OF HAWAI'I, DEPT OF  
HAWAIIAN HOME LANDS

KEKAHA AGRICULTURE ASSOCIATION

By: \_\_\_\_\_  
Its

By:   
Its  
*President*

KAUA'I ISLAND UTILITY  
COOPERATIVE

By: \_\_\_\_\_  
Its

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PŌ'AI WAI OLA/WEST KAUA'I  
WATERSHED ALLIANCE

STATE OF HAWAI'I, AGRIBUSINESS  
DEVELOPMENT CORPORATION

By: \_\_\_\_\_  
Its

By: \_\_\_\_\_  
Its

STATE OF HAWAI'I, DEPT OF  
HAWAIIAN HOME LANDS

KEKAHA AGRICULTURE ASSOCIATION

By: \_\_\_\_\_  
Its

By: \_\_\_\_\_  
Its

KAUA'I ISLAND UTILITY  
COOPERATIVE

By: David J. Burnell  
Its CEO

## WAIMEA WATERSHED AGREEMENT

- A. Statement of Guiding Principles
- B. Modification of Diversions
- C. Permits and Approval
- D. IIFS Numbers
- E. Monitoring Stations
- F. Operating Protocols
- G. Infrastructure Agreements



## A. STATEMENT OF GUIDING PRINCIPLES

The following guiding principles underlie this agreement and all phases of its execution:

1. All streams will be allowed to run from the mountain to the sea and no diversion will ever be a total diversion again.
2. Any diversion of water from a stream must be justified with no more water taken than is needed for other beneficial uses, and even then, the health of the stream must be preserved at all times. All waters not needed at any given time belong in the stream and the IIFS numbers are the minimum amounts to be provided.
3. Agriculture and renewable energy are beneficial uses of water diverted from these streams.
4. DHHL will, within thirty days (30) of the approval of this agreement, submit a modified petition to provide for a water reservation of 6.903 MGD from the Kokee Streams, and request that the Commission consider and act on the modified petition within sixty (60) days of its filing. DHHL maintains the right to file, at later dates, additional water reservations for the Waimea Watershed. The parties acknowledge DHHL's rights to water as set forth in the Hawaiian Homes Commission Act, the Hawaii Constitution, and Haw. Rev. Stat. chapter 174C, the State Water Code.
5. The ditch systems owned by the State of Hawaii's Agribusiness Development Corporation (ADC), and currently operated by the Kekaha Agriculture Association (KAA), will continue to be maintained to allow for both present and future uses.
6. Kaua'i Island Utility Cooperative (KIUC) will be allowed to complete due diligence on a set of energy projects supported by the Kokee Ditch System, and, if the energy projects are built, will receive from the Kokee ditch system a rolling average of 11 mgd to support both (1) the Puu Opae project and (2) DHHL's water needs under any water reservation the Commission may grant to DHHL (see A.4, supra) that are to be served by the project infrastructure, with the understanding that the KIUC project is intended to serve both energy and agricultural uses which will enable the Commission to review the water needs of both systems with the goal of reducing the diversion of water into the Kekaha Ditch system. This means that KIUC will be able to take an average of 11 mgd within each year and over the course of the life of the project, assuming the IIFSs are met first. The term "rolling average" as used in this agreement means an average to account for intra and inter annual fluctuation.
7. If KIUC does build the energy projects, it will assume substantial responsibility for much of the Kokee ditch system and related facilities as specified in this agreement.

## B. MODIFICATIONS OF THE DIVERSIONS

Throughout this Agreement, all references to days are to calendar days.

All plans for the modification of any diversion shall be subject to review and approval by the Commission or its staff prior to any modification taking place. When plans are submitted to the Commission, a copy will be provided to each other party to this agreement.

KIUC will modify all diversions in the Kokee Ditch necessary to ensure the stream flow provided for in this agreement, as follows: KIUC will file with the Commission and any other pertinent regulatory agency its modification plans within one hundred thirty-five (135) days of the approval of this agreement by the Commission. Work on the modifications will begin within forty-five (45) days of approval of the modification plans or any other approval required by the modification proposal, whichever comes last.

If KIUC does not receive (1) the understandings from ADC set forth in Section C by April 30, 2017, and/or (2) the understandings from DHHL set forth in Section C within ninety (90) days of the Commission's approval of this agreement, KIUC shall have the option to withdraw from its responsibilities and obligations under this agreement. If KIUC opts to withdraw, it will notify the Commission and all the parties to this agreement. If KIUC does not exercise its option to withdraw within one-hundred (100) days after the approval of this agreement by the Commission, KIUC shall proceed with the modification plans in accordance with the paragraph immediately above.

ADC (either itself or through its licensee KAA) will modify all other diversions relating to the Kekaha Ditch system and specifically those associated with the Koaie and Waiahulu streams and the Waimea diversion necessary to ensure the stream flow provided for in this agreement, as follows: ADC (either itself or through its licensee KAA) will file with the Commission and any other pertinent regulatory agency its modification plans within forty-five (45) days of the approval of this agreement by the Commission. Work on the modifications will begin within forty-five (45) days of approval of the modification plans or any other approval required by the modification proposal, whichever comes last.

All modifications will be done in a manner that provides for water flowing over it, provides for a wetted path upstream and downstream such that adult forms can migrate upstream and larval forms can migrate downstream, and minimizes entrainment of native species to the maximum extent practicable.

If any modification requires an Environmental Assessment, an Environmental Impact Statement or other permitting or approvals, the filing of those must occur within ninety (90) days of notification by the Commission or other pertinent regulatory agency of the need for such actions.

If KIUC exercises its option to withdraw within one-hundred (100) days after the approval of this agreement by the Commission, ADC (either itself or through its licensee KAA) will be responsible for the modifications to the Kokee Ditch diversions necessary to comply with this agreement, as follows: ADC (either itself or through its licensee KAA) will file with the Commission and any other pertinent regulatory agency its modification plans for the Kokee Ditch

diversions within forty-five (45) days of KIUC's notice of withdrawal. Work on the modifications will begin within forty-five (45) days of approval of the modification plans or any other approval required by the modification proposal, whichever comes last.

## C. PERMITS AND APPROVALS

In order to develop its renewable energy project(s), KIUC will need to obtain a number of permits and approvals from various governmental agencies, and compliance with the requirements of HRS Chapter 343 will be necessary prior to agency action on those permits and approvals. Nothing in this agreement obliges any government agency to grant any of those permits or approvals. Each permitting and approving agency needs to exercise its discretion without regard to this agreement. None of the signatory governmental agencies to this agreement issue the permits and approvals that KIUC will need for this project other than those provided for in this agreement.

In order to allow KIUC to move forward with its project(s), KIUC needs to know that it will have the ability to perform its due diligence (engineering, biological, and archaeological) on the project; that infrastructure for the project(s) will be available in the event that KIUC ultimately receives the permits and approvals necessary for its project(s); and the financial terms for access to and use of that infrastructure in the event that KIUC ultimately receives the permits and approvals necessary for its project(s).

If KIUC does not have in place (1) the understandings from ADC set forth below by April 30, 2017, and/or (2) the understandings from DHHL set forth below within ninety (90) days of the Commission's approval of this agreement, KIUC reserves the right to withdraw from its responsibilities and obligations under this agreement. If KIUC chooses to do so, it will notify the Commission, and all the parties to this agreement, that it is doing so and will then be relieved of all obligations under this agreement, subject to KIUC's duty to proceed with the diversion modification plans in accordance with Section B if KIUC does not exercise its option to withdraw within one-hundred (100) days after the approval of this agreement by the Commission.

It is understood that, in order to facilitate this agreement, Pō'ai Wai Ola/West Kaua'i Watershed Alliance will forbear from contesting or challenging ADC's or DHHL's decisions with respect to the understandings described in this section.

THE UNDERSTANDINGS ARE AS FOLLOWS:

### From ADC to KIUC:

1. A license, with an option for a lease, for the following infrastructure:
  - a. The diversions on the Kokee Ditch at Waiakoali, Kawaikoi, Kauaikinana and Kokee and all the ephemeral diversions on the Kokee ditch system.
  - b. The Kokee Ditch from the diversions to the Puu Moe Divide.

- c. The Mana Reservoir.
- d. The land needed for construction of the Mana powerhouse located adjacent to the Mana Reservoir.

The license or lease shall provide for the water for KIUC under this agreement and approved by the Commission subject to approval of a water lease application by KIUC to be filed with the Board of Land and Natural Resources pursuant to Haw. Rev. Stat. § 171-58.

The financial terms of the license/leases shall be binding on KIUC and ADC if the required permits and approval are issued and the project is developed.

2. Easements as follows:

- a. The Kokee Ditch access roads for the purposes of ditch access and maintenance.
- b. The Mana Reservoir access road for the purpose of access to the Mana Reservoir, powerhouse and substation.
- c. A short-term easement for the construction of a pressurized pipeline segment on the Mana Plain with a long-term easement for maintenance of the pipeline.
- d. A short-term easement for the construction of the Puu Opae project powerhouse and substation adjacent to the Mana reservoir.
- e. A long-term easement for the Puu Opae project electrical transmission lines and pressurized pipeline.

From DHHL to KIUC:

1. A right of entry (“ROE”) to be issued to conduct all engineering, biological and archaeological studies necessary to support regulatory requirements for the project.
2. Within ninety days (90) of the approval of this agreement by the Commission, the DHHL will notify KIUC as to whether it will issue a 65-year lease for the land and infrastructure (Puu Opae Reservoir) to KIUC subject to HRS § 171-95.3, the Hawaiian Homes Commission Act, as amended, and Hawaiian Homes Commission policies, if KIUC complies with HRS Chapter 343 and receives the necessary approvals and permits for the construction of the Puu Opae project. Once approved, and subject to the above, the financial terms and conditions will be binding on KIUC and DHHL.
3. If the lease to KIUC described above is issued by the DHHL, it will

- a. include the provision of a rolling average of 11 mgd of water subject to approval of a water lease application by KIUC to be filed with the Board of Land and Natural Resources pursuant to Haw. Rev. Stat. § 171-58 and subject to meeting the water needs of DHHL as set forth in any water reservation the Commission may grant.
- b. grant a short-term easement for the pressurized pipeline and a buried transmission line construction and the rehabilitation of the Puu Opae Reservoir.
- c. grant a long-term easement for the maintenance of the pipeline, the buried transmission line and the access roads.
- d. will include the Puu Opae Reservoir and land adjacent to the reservoir (less than three acres) for the project powerhouse.

**D. IIFS NUMBERS**

Based on the submissions by the parties and the analysis by the Commission staff, the following IIFS numbers are agreed to in two phases.

Phase One will go into effect upon the approval of this agreement by the Commission. As part of Phase One, the parties agree to immediately take steps to restore flows to the maximum extent possible (e.g., by removing a board or lifting a gate) while working on the structural modifications pursuant to the deadlines set forth in Section B.

Phase Two goes into effect if and when the KIUC energy project goes into service.

PHASE ONE:

Kokee Irrigation System

- 1. The existing natural flow in the Kokee Stream is permitted to flow past the Kokee Ditch.
- 2. For the Kauaikinana, Kawaikoi, and Waiakoali streams, the IIFS below each diversion is the following:

<u>Stream</u>	<u>IIFS</u>
Kokee	natural flow
Kauaikinana	0.7 mgd
Kawaikoi	4.9 mgd
Waiakoali	1.4 mgd

Kekaha Irrigation System

- 1. The IIFS for the Koaie Stream below the Koaie Diversion will be 2 mgd.

2. The IIFS for the Waimea Stream below the Waiahulu Diversion will be 8 mgd.
3. The IIFS for the Waimea Stream at USGS 16031000 will be 25 mgd with a minimum flow at all times through the Kekaha Ditch of 6 mgd measured at the Hukipo Flume.

PHASE TWO:

Kokee Irrigation System

1. The existing natural flow in the Kokee Stream is permitted to flow past the Kokee Ditch except for flows greater than 1.2 mgd, in which the IIFS is 1.2 mgd.
2. For the Kauaikinana, Kawaikoi, and Waiakoali streams, for flows less than or equal to the established values listed in the table below, the IIFS below each diversion is two-thirds (66.6%) of the flow in the stream; for flows greater than the established values listed below, the IIFS below each diversion is the value given.

Stream	Established value	IIFS	IIFS if stream flow is below or equal to established value	IIFS if streamflow is above the established value
Kokee	0.2	Natural flow up to 1.2	n/a	n/a
Kauaikinana	1.2		2/3 of stream flow	0.6
Kawaikoi	6.4		2/3 of stream flow	4.0
Waiakoali	1.3		2/3 of stream flow	0.8

All water flows above these numbers may be used by KIUC in support of its project.

Kekaha Irrigation System

1. The IIFS for Koaie Stream below the Koaie Diversion will be 2 mgd.
2. The IIFS for Waimea Stream below the Waiahulu Diversion will be 8 mgd.
3. The IIFS for the Waimea Stream at USGS 16031000 will be 25 mgd with a minimum flow at all times through the Kekaha Ditch of 6 mgd measured at the Hukipo Flume subject to Commission review of its ongoing need based on the water coming to the plain through the KIUC project as provided in paragraph 10 of the Operating Protocols section, *infra*.

If Phase Two goes into operation, the Commission will examine the amounts being diverted at Koaie and at Waiahulu with goal of increasing the total IIFS numbers for these two streams.

## E. MONITORING STATIONS

Monitoring stations will be put in place to measure the amount of water coming into the ditches and the amount of water going into the streams below the diversions on a continuous real-time basis.

KIUC, assuming that it receives the understandings called for in the Permits and Approvals section of this agreement, will install and maintain monitoring equipment at the existing flow gauging location immediately above the Puu Lua Reservoir and for the following streams:

Waiakoali

Kawaikoi

Kauaikinana

Kokee

ADC (either itself or through its licensee KAA), if the Commission approves this agreement, will install and maintain monitoring equipment for the following streams:

Waiahulu

Koaie

Waimea at the Mauka hydroelectric plant

The information gathered by these stations shall be made available to all parties at the same time.

The Commission and the U.S. Geological Survey may install and maintain its own monitoring equipment along the streams and/or ditches in the watershed.

If the KIUC project does not receive the understandings called for in the Permits and Approvals section, the monitoring equipment will be installed and maintained by ADC (either itself or through its licensee KAA). If the KIUC project ultimately does not proceed, ADC (either itself or through its licensee KAA) will assume responsibility for the monitoring equipment.

## F. OPERATING PROTOCOLS

The goal of the Waimea water systems is to preserve the life of the streams and their aquatic resources while allowing for agricultural and renewable energy uses to co-exist with the streams.

In the operation of these systems the intent is to have instantaneous daily decisions made on where the water in any given stream would go between the streams and the ditches:

1. Flow in the stream has the highest priority and water should flow at the highest possible level with diversions only as needed for other uses with the IIFS numbers being the minimum amounts to be provided.
2. Stated otherwise, when water is not presently needed for other uses such as expanded agricultural uses or future energy projects, the water must remain in the streams.
3. Current agricultural uses by ADC (and its licensees) will continue to be provided with the water needed for their operations. Each month, ADC (either itself or through its licensee KAA) will report monthly water usage volumes for agricultural and non-agricultural uses, monthly total cultivated acres, and a list of crop types. Each year, ADC (by itself or through its licensee KAA) will report annual cultivated acres by crop type.
4. Water for the kalo farmers on the Menehune Ditch will continue to be provided by one or both ditch systems.
5. Water for agricultural uses by ADC (and its licensees) and water for uses by the DHHL (and its lessees and licensees) in accordance with DHHL's rights to water as set forth in the Hawaiian Homes Commission Act, the Hawaii Constitution, and Haw. Rev. Stat. chapter 174C, the State Water Code will be provided so long as the amounts involved are reasonable in their consumption levels and in relation to the water provided to the streams. In that regard, the need to plant less water intensive crops and the importance of using efficient water delivery methods will be taken into account as well as the availability of R-1 water and well water.
6. If one or more hydro projects are developed by KIUC on the Kokee Ditch System, KIUC will receive from the Kokee ditch a rolling average of 11 mgd to support both (1) the Puu Opae project and (2) DHHL's water needs under any water reservation the Commission may grant to DHHL (see A.4, supra) that are to be served by the project infrastructure. This means that KIUC will be able to take an average of 11 mgd within each year and over the course of the life of the project, assuming the IIFSs are met first. In its project, KIUC will leave enough water in the ditch past the Puu Moe Divide to meet the needs of users of ditch water below that point.



7. Controlled releases and biological studies will be part of any protocol to help determine the best ongoing uses of water.
8. To the extent not otherwise provided by the above uses, the Commission may consider a request to allow a minimum flow of water to maintain the ditch systems to the extent necessary to ensure their ongoing structural integrity.
9. The Waiawa power plant will be allowed to operate in its current manner for no more than three years from the approval of this agreement after which it must be either decommissioned or repowered to operate using such waters as are reasonably related to agricultural (as opposed to energy) uses. Specifically, after three years, no more than 10 mgd can be diverted in the Kekaha Ditch at Hukipo Flume unless reasonable agricultural uses require more water and the Commission finds that such additional waters can be provided consistent with the IIFS numbers it has set.

If Phase Two goes into operation, the Commission will reexamine the amounts diverted to reduce them to take into account the energy and agricultural uses served by the KIUC project.

The execution of these protocols will be the responsibility of ADC (either itself or through its licensee KAA), and of KIUC. KIUC, if it receives the understandings provided for in the Permits and Approvals section above, may contract with other entities to carry out its responsibilities under this agreement.

If there is any dispute in the operation of the protocols, it shall be brought to the Commission for resolution.

## G. INFRASTRUCTURE AGREEMENTS

### PHASE ONE: CURRENT OPERATIONS

Unless and until the energy projects proposed by KIUC receive all required approvals and Phase Two is implemented, the current system will be maintained by the ADC, and its licensee KAA, and the State agencies involved in the case of the impacted dams and reservoirs, subject to the provisions of this agreement, including those pertaining to the modification of diversions and the installation of monitoring equipment.

### PHASE TWO: THE ENERGY PROJECTS

If KIUC receives the understandings required in the Permits and Approvals section; finds that the project is feasible to undertake and finance; and gets the approval of the Public Utilities Commission for the energy projects, KIUC may build and/or rehabilitate one or more energy projects in the Waimea Watershed area.

If KIUC proceeds, it will assume significant responsibility for the infrastructure on the systems involved. This section sets forth the infrastructure for which KIUC (and any firms it employs) will be responsible:

1. The Ditches

KIUC will operate, upgrade, alter or repair as appropriate, and maintain:

- a. The Kokee Ditch including the ditch, flumes and tunnels, beginning at the Waiakoali Intake to the Puu Moe Divide, including the Kauhao sluice gate and the weir gate at the Divide; and any pressurized piping KIUC installs involving the ditch and the reservoirs named below including between the Divide and the Puu Opae Reservoir. (KIUC will not be responsible for the ditch from the Divide to the Kitano Reservoir.)

2. Diversions

KIUC will operate, repair and maintain the following diversions:

- a. Waiakoali
- b. Kawaikoi
- c. Kauaikinana
- d. Kokee
- e. All active ephemeral stream diversions. Kumuela 1-5, Nawaiamaka and Halemanu on the Kokee Ditch.

ADC (either itself or through its licensee KAA) will operate, repair and maintain the following diversions:

- f. Waiahulu
- g. Koaie
- h. Waimea

3. Roadways

KIUC will repair and maintain the roadways which pertain to the operations of the Kokee Ditch.

- a. The jeep roadway extending from the Kokee Highway to the Puu Lua Reservoir;

- b. The jeep road extending from the Kokee Highway to the Puu Opae Reservoir;
- c. The jeep road extending from the DHHL/DLNR gate on the Mana Plain to the Puu Opae Reservoir;
- d. Ditch maintenance roads along the Kokee Ditch;
- e. All other jeep roads and ditch trails necessary to access, maintain and operate the ditch systems that are under KIUC's control.

The assumption of responsibility for the roadways by KIUC does not change existing access rights or in any way alter their status as public or private roads.

In carrying out the operation, upgrade, repair and maintenance to the ditches, diversions and roadways as described above in this section, KIUC and ADC (and any other firm employed by the same) shall not interfere with the quiet enjoyment of the DHHL lessees and licensees.

4. Control Equipment

KIUC will operate the Puu Opae Energy Project(s), the streamflow gauging equipment on the Kokee Ditch and pertinent streams, the Puu Lua Reservoir, the Puu Opae Reservoir and the Mana Reservoir.

5. Hydroelectric Plants

KIUC will operate, repair and maintain the hydro plants developed as part of the Puu Opae energy project:

6. Dams and Reservoirs

KIUC will rehabilitate the following reservoirs pursuant to the State of Hawaii dam safety standards and undertake the operation and maintenance of each through the life of the Puu Opae project.

- a. Puu Lua Reservoir
- b. Puu Opae Reservoir
- c. Mana Reservoir

7. Pressurized Piping

KIUC will construct and maintain the following segments of pressurized pipeline:

- a. Between the Puu Moe Divide and the Puu Opae Reservoir;
- b. Between the Puu Opae and Mana Reservoirs.

8. Pumping Stations

ADC will continue to operate and maintain the Kawaiele and Nohili Pumping Stations.

9. Monitoring Stations

KIUC will operate and maintain the equipment discussed in the Monitoring Stations section above.

10. Agreements to Operate

The cost of all of KIUC's undertakings pursuant to this agreement will be negotiated directly between KIUC and the agencies involved.

11. Infrastructure Covered

Any infrastructure not covered by this agreement will be presumed to be handled by whoever is handling it today. This agreement covers only the specific infrastructure discussed in it.