

STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
Commission on Water Resource Management  
Honolulu, Hawaii 96813

June 9, 2017

Board of Land and Natural Resources  
State of Hawaii  
Honolulu, Hawaii

SUBJECT: Approve the recommendations of the Water Security Advisory Group to fund projects that will increase water security in the State of Hawaii:

1. Kahoolawe Island Reserve Commission, \$100,000 to improve an existing irrigation system in order to plant 10,000 native plants in a 100-acre Tier II area in the upper Hakioawa Watershed of Kahoolawe;
2. Lanai Water Company, \$30,000 to convert 210 outdated meters into “smart” meters for single family homes owned by individual homeowners;
3. Ka’ala Farm Inc., \$74,293 to pilot test a new method to estimate recharge rate from wetland taro patches; redesign auwai system to be more efficient; and develop curriculum for visiting school groups;
4. Department of Land and Natural Resources, Division of Forestry and Wildlife (DoFAW), \$55,743 for ungulate removal, outplanting, weed management, and biocontrol in the Kipahulu Forest Reserve;
5. Kupu, \$61,952 to develop and pilot a storm water curriculum geared toward 5<sup>th</sup> grade level, including installing up to 2 rain gardens;
6. Center for Tomorrow’s Leaders, \$7,500 to install a rainwater catchment at First Assembly of God and Christian Church;
7. Moloaa Irrigation Cooperative, \$26,936 to upgrade agricultural meters to Advanced Metering Analytics, which includes a smartphone/table application that provides real-time information for system operators and customers;
8. Department of Land and Natural Resources, DoFAW, \$70,000 to expand and maintain vegetative “green” firebreaks that use native plants to reduce fire threat in Waianae Kai Forest Reserve, by doing clearing, weed control, outplanting, and maintenance;

9. Koolau Mountains Watershed Partnership, \$19,470 to restore 5.1 acres of degraded forest through removal of invasive species and replanting; provide for educational opportunities with nearby Pearl City schools; and establish a 2.0 acre Hawaiian cultural garden;
10. Hoku Nui Maui, LLC, \$100,000 to construct 1,300 feet of an unpaved farm road as a catchment surface for management of stormwater runoff and installation of 1.5 million-gallon detention basin and floating wetlands; and
11. The Nature Conservancy, \$68,006 to restore and manage 19 acres of estuarine and wetland habitat in Heeia and conduct community outreach and education.

And:

Declare that projects recommended by the Water Security Advisory Group are exempt from the requirement to prepare an environmental assessment, pursuant to Sections 343-5 and 343-6, Hawaii Revised Statutes and Section 11-200-8 Hawaii Administrative Rules.

#### SUMMARY:

The Commission on Water Resource Management (Commission) recommends that the Board of Land and Natural Resources (Board) accept the recommendations of the Water Security Advisory Group to fund projects that will increase water security in the State of Hawaii and declare that recommended projects are exempt from the preparation of environmental assessments.

#### BACKGROUND:

Act 172, Session Laws of Hawaii 2016 (Exhibit 1), requires the Department of Land and Natural Resources (Department) to establish a two-year pilot program for a Water Security Advisory Group (WSAG) to enable public-private partnerships that increase water security by providing matching state funds for projects and programs that:

1. Increase the recharge of groundwater resources;
2. Encourage the reuse of water and reduce the use of potable water for landscaping irrigation;  
and
3. Improve the efficiency of potable and agricultural water use.

Act 172 also states that the WSAG shall advise the Department on the priority of proposals for qualified projects or programs and recommend high-priority programs for the award of matching funds through this pilot program.

### PROGRAM FUNDING:

To enable the Department to implement Act 172, the Legislature appropriated \$750,000 of funding. Upon release of the funds, the Governor withheld five percent to reflect a contingency restriction placed on all State discretionary funds in FY 2017.

Section 4 of Act 172 allows the Department to contract with an entity to carry out the duties and activities associated with the Act. As the Commission does not have the staff resources necessary to implement the Act, \$98,600 was expended to procure the services of a consultant to assist the Commission. This left a total of \$613,900 available for grant awards. These funds must be encumbered by June 30, 2017.

### THE WATER SECURITY ADVISORY GROUP:

To enable the evaluation of projects or programs that increase water security, Act 172 required the creation of a Water Security Advisory Group made up of:

1. The manager and chief engineer of the board of water supply for each county (or their designee);
2. The deputy director of the Commission;
3. A member with knowledge of agricultural water storage and delivery systems;
4. A member from a private landowning entity that actively partners with a watershed partnership;
5. A member with knowledge, experience, and expertise in the area of Hawaiian cultural practices; and
6. A member representing a conservation organization.

To solicit qualified individuals for the non-government seats, the Chairperson of the Department of Land and Natural Resources (DLNR) issued a call for applicants via press release on November 17, 2016 (<http://files.hawaii.gov/dlnr/cwrm/notice/2016/nt20161117.pdf>).

After the Chairperson accepted applications and identified qualified persons, the WSAG consisted of the following members:

1. Jeffrey T. Pearson, Deputy Director, Commission on Water Resource Management
2. Kirk Saiki, Manager and Chief Engineer, Kauai Department of Water
3. Barry Usagawa, Water Resource Division Chief, Honolulu Board of Water Supply
4. Eva Blumenstein, Planning Program Manager, Maui Department of Water Supply
5. Keith Okamoto, Manager-Chief Engineer, Hawaii Department of Water Supply
6. John Richards, Agricultural Water Systems Expert
7. John Morgan, President, Kualoa Ranch
8. Trisha Watson, Hawaiian Cultural Expert
9. Lauren Roth Venu, Advocacy Chair of the U.S. Green Building Council

EVALUATION AND SELECTION PROCESS:

To solicit proposals to meet the requirements of Act 172, the WSAG convened on March 2, 2017 to finalize a request for proposals (RFP) document and to develop the criteria to evaluate the proposals received. A copy of the RFP is available online at [https://dlnr.hawaii.gov/cwrm/files/2017/03/WSAG17-RFP-Final-3\\_17\\_20171.pdf](https://dlnr.hawaii.gov/cwrm/files/2017/03/WSAG17-RFP-Final-3_17_20171.pdf). The evaluation criteria developed, including the number of points allocated to each item, is attached as Exhibit 2. In addition to the evaluation criteria, the RFP required that applicants have all major permits and permissions completed at the time of application, so that projects can be “shovel ready” when funding is awarded.

The RFP was advertised on March 17, 2017 with an initial deadline of April 18, 2017 for submission to the Commission.

To better inform potential applicants about Act 172 and the RFP, and provide an opportunity for potential offerors to get any necessary clarification of the RFP, a preproposal conference was held on March 28, 2017 in the DLNR Board Room. A summary of the conference and the questions and answers related to the RFP were released via RFP Addendum #1 on April 4, 2017 ([https://dlnr.hawaii.gov/cwrm/files/2017/04/WSAG-RFP-Addendum-4\\_3\\_2017.pdf](https://dlnr.hawaii.gov/cwrm/files/2017/04/WSAG-RFP-Addendum-4_3_2017.pdf)).

A second RFP addendum was released on April 12, 2017 ([https://dlnr.hawaii.gov/cwrm/files/2017/04/WSAG17-RFP-Addendum-4\\_12\\_2017.pdf](https://dlnr.hawaii.gov/cwrm/files/2017/04/WSAG17-RFP-Addendum-4_12_2017.pdf)). Addendum #2 also extended the deadline for proposals to April 20, 2017.

A total of 16 proposals were received by the April 20, 2017 deadline from a wide range of applicants. Table 1 below lists the proposals received with a short summary of the proposed project, the requested grant amount, the total project cost, and the proposed Act 172 objective. The proposals are available online at <http://dlnr.hawaii.gov/cwrm/planning/watersecurity/>.

Table 1. Proposals Received by the WSAG

<b>Proposal</b>	<b>Applicant</b>	<b>Island</b>	<b>Requested Award Amount</b>	<b>Total Project Cost</b>	<b>Act 172 Objective</b>
Follow the Drop - Storm Water Curriculum, Mobile Application & Rain Garden Installation	Kupu	Oahu	\$61,952	\$128,452	Groundwater Recharge
Restoration of the Hakioawa Watershed on Kaho'olawe for Ground Water Recharge	Kaho'olawe Island Reserve Commission (KIRC)	Kaho'olawe	\$100,000	\$239,029	Groundwater Recharge

Increasing Efficacy in Water Usage and Recharge at Ala Mahamoe, Oahu, through Native Plant Restoration and the Establishment of a Hawaiian Cultural Garden	Ko'olau Mountains Watershed Partnership	Oahu	\$19,470	\$44,789	Groundwater Recharge
Engaging Community to Restore Wetland Kalo and Study Water Recharge	Ka'ala Farm Inc	Oahu	\$74,293	\$148,585	Groundwater Recharge
Lo'i Kalo as Retention Basins: A New Approach to Designing Constructed Wetlands in Hawaii	The Nature Conservancy	Oahu	\$68,006	\$136,012	Groundwater Recharge
Increasing Water Use Efficiency and Conservation by Upgrading Agricultural Water Meters to AMA	Moloa'a Irrigation Cooperative	Kaua'i	\$26,936	\$54,652	Water Conservation
Water Security for Agriculture: Capturing and Utilizing On-Farm Surface Water	Hoku Nui Maui, LLC	Maui	\$100,000	\$310,225	Water Conservation
Wai for Hawaii	Center For Tomorrow's Leaders	Oahu	\$7,500	\$15,000	Water Conservation/ Water Reuse
Wai'anae Kai Forest Reserve Protection and Restoration Project	DoFAW	Oahu	\$70,000	\$140,000	Groundwater Recharge
Lanai Water Efficiency Improvement Project	Lanai Water Company	Lana'i	\$30,000	\$60,750	Water Conservation
Kipahulu Forest Reserve Restoration Project	DoFAW	Maui	\$73,535	\$147,070	Groundwater Recharge
Increasing Recharge Through Detention Basins	Grove Farm	Kaua'i	\$100,000	\$1,283,200	Groundwater Recharge
Integrating Green Stormwater Infrastructure Along the Ala Wai Canal	Eco Solutions	Oahu	\$49,650	\$99,650	Groundwater Recharge
Assessing Payments for Ecosystem Services (PES) Approaches	Conservation International	Statewide	\$93,435	\$187,265	Groundwater Recharge/ Water Reuse
Legislative Package and Community Engagement	Sierra Club	Statewide	\$57,599	\$110,530	Water Conservation
The Ala Wai Watershed-Public Private Partnership Models for Freshwater Security and Community Resilience	Oahu Economic Development Board	Oahu	\$100,00	\$245,000	Groundwater Recharge/ Water Reuse

On May 11, 2017 the WSAG convened to evaluate and determine what proposals met the intent of Act 172 and the requirements set forth in the RFP.

Of the 16 proposals received, the WSAG determined that only 12 were eligible for the “priority list of offerors”, which allows those proposals to be ranked. The WSAG concluded that the four rejected proposals did not meet the requirements of Act 172 to track and report the amount of water recharged, conserved, or reused.

The proposals were evaluated and ranked according to the evaluation criteria stated in the RFP. Table 2 below lists the proposals by their ranking and the recommended award amount.

Table 2. Priority List and Final Ranking of Proposals by the WSAG

<b>Ranking</b>	<b>Proposal</b>	<b>Award Amount</b>
1	Follow the Drop- Storm Water Curriculum, Mobile Application & Rain Garden Installation	\$61,952
2	Restoration of the Hakioawa Watershed on Kaho'olawe for Ground Water Recharge	\$100,000
3	Increasing Efficacy in Water Usage and Recharge at Ala Mahamoe, Oahu, through Native Plant Restoration and the Establishment of a Hawaiian Cultural Garden	\$19,470
4	Engaging Community to Restore Wetland Kalo and Study Water Recharge	\$74,293
5	Lo'i Kalo as Retention Basins: A New Approach to Designing Constructed Wetlands in Hawaii	\$68,006
6	Increasing Water Use Efficiency and Conservation by Upgrading Agricultural Water Meters to AMA	\$26,936
7	Water Security for Agriculture: Capturing and Utilizing On-Farm Surface Water	\$100,000
8	Wai for Hawaii	\$7,500
9	Wai'anae Kai Forest Reserve Protection and Restoration Project	\$70,000
10	Lanai Water Efficiency Improvement Project	\$30,000
11	Kipahulu Forest Reserve Restoration Project	\$55,743
12	Increasing Recharge Through Detention Basins	\$0

**Total \$613,900**

The WSAG determined that funding could be awarded to the 11<sup>th</sup> ranked project if the applicant was willing to revise their proposal to accommodate a lower grant award to fit within the available funding of \$613,900. The WSAG delegated authority to its Chair to negotiate with DoFAW to amend the grant amount and scope for the Kipahulu Forest Reserve Restoration project.

Commission staff held discussions with DoFAW representatives. An amended proposal was received. The reduced award allowed the WSAG to recommend funding to a total of 11 applicants based on the available funding.

ENVIRONMENTAL REVIEW (Hawaii Revised Statutes Chapter 343)

Under §343-5(a), Hawaii Revised Statutes (HRS), an Environmental Assessment (EA) is triggered with the use of state funds but may be declared exempt from the process if falling into certain exempted classes of action.

Two of the projects are already covered under an existing approved environmental assessment and environmental impact statement. KIRC asserts its proposed actions are covered under HRS §6K-3(a)(3). The Commission is recommending that the remaining 8 projects be declared exempt from the requirement to prepare environmental assessments because they will have minimal or no significant effect on the environment and fall within one or more exemption classes under the Exemption List for the Department of Land and Natural Resources (approved by the Environmental Council on June 5, 2015). Table 3 below summarizes proposed compliance with HRS Chapter 343. An Exemption Notification for each project is attached in Exhibits 3 to 10.

Table 3. Project Proposals and Chapter 343 Compliance

<b>Proposal</b>	<b>Chapter 343 Compliance</b>
Follow the Drop- Storm Water Curriculum, Mobile Application & Rain Garden Installation	See Exhibit 3
Restoration of the Hakioawa Watershed on Kaho'olawe for Ground Water Recharge	HRS §6K-3(a)(3)
Increasing Efficacy in Water Usage and Recharge at Ala Mahamoe, Oahu, through Native Plant Restoration and the Establishment of a Hawaiian Cultural Garden	See Exhibit 4
Engaging Community to Restore Wetland Kalo and Study Water Recharge	See Exhibit 5
Lo'i Kalo as Retention Basins: A New Approach to Designing Constructed Wetlands in Hawaii	<a href="https://cdxnodengn.epa.gov/cdx-enepa-II/public/action/eis/details?eisId=223645">https://cdxnodengn.epa.gov/cdx-enepa-II/public/action/eis/details?eisId=223645</a>
Increasing Water Use Efficiency and Conservation by Upgrading Agricultural Water Meters to AMA	See Exhibit 6
Water Security for Agriculture: Capturing and Utilizing On-Farm Surface Water	See Exhibit 7
Wai for Hawaii	See Exhibit 8
Wai'anae Kai Forest Reserve Protection and Restoration Project	See Exhibit 9
Lanai Water Efficiency Improvement Project	See Exhibit 10
Kipahulu Forest Reserve Restoration Project	<a href="http://oeqc.doh.hawaii.gov/Shared%20Documents/EA_and_EIS_Online_Library/Maui/2000s/2007-07-08-MA-FEA-East-Maui-Watershed-Fence.pdf">http://oeqc.doh.hawaii.gov/Shared%20Documents/EA_and_EIS_Online_Library/Maui/2000s/2007-07-08-MA-FEA-East-Maui-Watershed-Fence.pdf</a>

RECOMMENDATIONS:

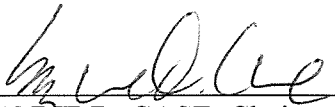
The Commission recommends that the Board:

1. Approve the recommendations of the Water Security Advisory Group to award and fund the proposals that meet the intent of Act 172 to improve water security in the State of Hawaii;
2. Authorize the Chairperson to enter into agreements with the grant recipients and encumber FY 2017 funds using a total of **\$613,900** from the General Fund, subject to the approval of the Attorney General;
3. Delegate authority to the Chairperson to amend or modify any agreement with the grant recipients provided that there is no increase in cost to the Department; and
4. Find that the projects recommended for funding by the Water Security Advisory Group will have minimal or no significant effect on the environment and are therefore exempt from the preparation of environmental assessments under HRS Chapter 343 based on the Exemption List for the Department of Land and Natural Resources approved by the Environmental Council on June 5, 2015 and Section 11-200-8 Hawaii Administrative Rules.

Respectfully submitted,

  
\_\_\_\_\_  
JEFFREY T. PEARSON, P.E., Deputy Director

APPROVED FOR SUBMITTAL:

  
\_\_\_\_\_  
SUZANNE D. CASE, Chairperson

ATTACHMENTS:

Exhibit I: Act 172, SLH 2016

Exhibit 2: Evaluation Criteria

Exhibits 3 to 10: Exemption Notifications for Projects Recommended by the WSAG





**GOV. MSG. NO. 1274**

EXECUTIVE CHAMBERS  
HONOLULU

DAVID Y. IGE  
GOVERNOR

June 30, 2016

The Honorable Ronald D. Kouchi,  
President  
and Members of the Senate  
Twenty-Eighth State Legislature  
State Capitol, Room 409  
Honolulu, Hawai'i 96813

The Honorable Joseph M. Souki,  
Speaker and Members of the  
House of Representatives  
Twenty-Eighth State Legislature  
State Capitol, Room 431  
Honolulu, Hawai'i 96813

Dear President Kouchi, Speaker Souki, and Members of the Legislature:

This is to inform you that on June 30, 2016, the following bill was signed into law:

HB2040 SD1 CD1

RELATING TO WATER SECURITY  
**ACT 172 (16)**

Sincerely,

A handwritten signature in black ink that reads "David Y. Ige".

DAVID Y. IGE  
Governor, State of Hawai'i

---

---

# A BILL FOR AN ACT

RELATING TO WATER SECURITY.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

PART I

1  
2 SECTION 1. The 2016 Hawaii-hosted World Conservation  
3 Congress presents an opportunity for Hawaii to demonstrate  
4 international leadership in investing in natural capital that  
5 supports economic growth and protects the quality of life. The  
6 challenge of managing the State's limited natural resources such  
7 as watersheds, marine habitat, and fresh water supply while  
8 fostering community resilience is too large a task for a single  
9 actor or sector to address alone. New and innovative  
10 partnerships are needed to catalyze large-scale investment in  
11 Hawaii's sustainable development. The Aloha+ Natural Capital  
12 Investment Partnership is a joint public-private conservation  
13 commitment that will demonstrate Hawaii's commitment to natural  
14 resources management with a special focus on climate resilience  
15 at the World Conservation Congress and beyond.

16 To provide reliable long-term funding needed to meet the  
17 State's Aloha+ Challenge conservation targets by 2030, partners  
18 from multiple sectors, including county, state, and federal



1 governments as well as private philanthropic and corporate  
2 entities, must work together to leverage funds and provide  
3 matching opportunities.

4 The purpose of this Act is to establish a two-year pilot  
5 program for a water security advisory group to enable public-  
6 private partnerships that increase water security by providing  
7 matching state funds for projects and programs that:

- 8 (1) Increase the recharge of groundwater resources;
- 9 (2) Encourage the reuse of water and reduce the use of  
10 potable water for landscaping irrigation; and
- 11 (3) Improve the efficiency of potable and agricultural  
12 water use.

13 PART II

14 SECTION 2. The department of land and natural resources  
15 shall establish a two-year pilot program for a water security  
16 advisory group to enable public-private partnerships that  
17 increase water security by providing matching state funds for  
18 projects and programs that:

- 19 (1) Increase the recharge of groundwater resources;
- 20 (2) Encourage the reuse of water and reduce the use of  
21 potable water for landscaping irrigation; and



1           (3) Improve the efficiency of potable and agricultural  
2           water use.

3           SECTION 3. The department of land and natural resources  
4 may establish an account or fund pursuant to section 37-52.5,  
5 Hawaii Revised Statutes, into which shall be deposited:

- 6           (1) All moneys appropriated by the legislature;
- 7           (2) Gifts, grants, and other private funds; and
- 8           (3) Federal funds.

9 The moneys in the fund shall be used to fund priority projects  
10 and programs to increase water security recommended by the water  
11 security advisory group, provided that state funds are matched  
12 on a one-for-one matching basis by the public or private agency  
13 or organization that submitted the relevant proposal for a  
14 project or program to increase water security.

15           SECTION 4. The department of land and natural resources  
16 may contract with an independent non-profit entity to carry out  
17 the duties and activities associated with this Act.

18           SECTION 5. The department of land and natural resources  
19 shall establish a water security advisory group, not subject to  
20 section 26-34, Hawaii Revised Statutes, which shall consist of:



- 1           (1) The manager and chief engineer of the board of water  
2           supply of each county or each manager and chief  
3           engineer's designee;
- 4           (2) The deputy director for water resource management of  
5           the department of land and natural resources;
- 6           (3) A member with knowledge of agricultural water storage  
7           and delivery systems selected by the chairperson of  
8           the board of land and natural resources;
- 9           (4) A member from a private landowning entity that  
10          actively partners with a watershed partnership  
11          selected by the chairperson of the board of land and  
12          natural resources;
- 13          (5) A member with knowledge, experience, and expertise in  
14          the area of Hawaiian cultural practices selected by  
15          the chairperson of the board of land and natural  
16          resources; and
- 17          (6) A member representing a conservation organization  
18          selected by the chairperson of the board of land and  
19          natural resources.

20          The water security advisory group shall elect a chairperson  
21          from among its members. Any action of the advisory group shall



1 be by a simple majority of its members. Five members shall  
2 constitute a quorum.

3 SECTION 6. There is appropriated out of the general  
4 revenues of the State of Hawaii the sum of \$750,000 or so much  
5 thereof as may be necessary for fiscal year 2016-2017 to carry  
6 out the purposes of this Act.

7 The sum appropriated shall be expended by the department of  
8 land and natural resources.

9 PART III

10 SECTION 7. (a) The water security advisory group shall  
11 advise the department of land and natural resources on the  
12 priority of all proposals for projects or programs submitted by  
13 public or private agencies or organizations to increase water  
14 security in the State and recommend high-priority programs for  
15 the award of matching funds through the pilot program  
16 established pursuant to this Act.

17 The water security advisory group shall:

- 18 (1) Establish criteria for the evaluation of proposals and  
19 assignment of priority to proposals;
- 20 (2) Evaluate proposals based on the established criteria;
- 21 (3) Assign priorities to each proposal submitted; and



1 (4) Advise the department on its evaluation of and  
2 assignment of priority to each proposal submitted.

3 (b) In advising the department on the priorities for  
4 matching fund grants for projects and programs to increase water  
5 security, the water security advisory group shall consider  
6 projects and programs that:

7 (1) Establish new areas or increase existing areas for the  
8 recharge of groundwater resources;

9 (2) Reduce the use of potable water for landscape  
10 irrigation and encourage the reuse of water; and

11 (3) Improve the efficiency of potable domestic water or  
12 agricultural irrigation use.

13 (c) All projects and programs recommended for approval by  
14 the advisory group shall be required to track and report on the  
15 amount of water conserved, recharged, or reused by the projects  
16 and programs.

17 SECTION 8. The department of land and natural resources  
18 shall submit an annual report on the pilot program established  
19 pursuant to this Act to the governor and the legislature at  
20 least twenty days prior to the convening of the 2017 and 2018  
21 regular legislative sessions. The annual reports shall include:



- 1 (1) A summary of all the projects and programs approved to
- 2 increase water security by improving recharge of
- 3 groundwater, reducing the use of potable water for
- 4 irrigation, or encouraging reuse of water;
- 5 (2) Proposals for future projects and programs;
- 6 (3) A financial report for the preceding fiscal year; and
- 7 (4) Objectives and budget projections for the following
- 8 fiscal year.

9 SECTION 9. Members of the water security advisory group  
 10 shall serve without compensation. All necessary expenses of  
 11 each member, including travel expenses, shall be paid by the  
 12 agency, organization, or department which the member represents.  
 13 No member shall be made subject to chapter 84, Hawaii Revised  
 14 Statutes, solely because of that member's participation as a  
 15 member of the advisory group.

16 SECTION 10. The last contract for a project or program  
 17 recommended for approval by the water security advisory group  
 18 shall be executed before June 30, 2018.

19 PART IV

20 SECTION 11. Upon the repeal of this Act as provided in  
 21 section 12:



- 1 (1) All contracts, agreements, permits, or other documents  
2 executed or entered into by the department of land and  
3 natural resources pursuant to this Act shall remain in  
4 full force and effect until terminated pursuant to the  
5 terms of the relevant contract, agreement, permit, or  
6 document; and
- 7 (2) All unexpended and unencumbered moneys remaining in an  
8 account or fund established pursuant to section 3 and  
9 deemed to be in excess of the moneys necessary to  
10 carry out the purposes of this Act shall lapse to the  
11 credit of the general fund.

12 SECTION 12. This Act shall take effect on July 1, 2016,  
13 and shall be repealed on June 30, 2018.

APPROVED this 30 day of JUN, 2016



GOVERNOR OF THE STATE OF HAWAII



## SECTION FOUR: EVALUATION CRITERIA

Evaluation criteria and the associated points are listed below. The award will be made to the responsible Offeror whose proposal is determined to be the most advantageous to the State based on the evaluation criteria listed in this section.

Proposals will be ranked by the water security advisory group. The awards will be made to the responsible Offeror(s) whose proposal is/are determined to be the most advantageous to the State based on the evaluation criteria listed in this section. Evaluation criteria and their associated points are listed in the table.


**The total number of points used to score proposals is 100.**

No.	Evaluation Criteria	Maximum Points
1	Previous experience, capability and proficiency in implementing proposed project or program	10
2	Project can be leveraged by others, has partnerships that can lead to scaling project or program	15
3	Measurable benefit of volume of water recharged, reused or conserved	20
4	Project proposal. Methodology (5) Timeline (5) Expected Results (5) Innovation (5) Budget (5) Possible Shortfalls (5)	30
5	Project sustainability, longevity and operation and maintenance strategy	15
6	Project outreach, visibility and demonstration value	10
	<b>Total</b>	<b>100</b>

## EXEMPTION NOTIFICATION

Regarding the preparation of an environmental assessment pursuant to Chapter 343, HRS and Chapter 11-200, HAR

Project Title:	Follow the Drop- Storm Water Curriculum, Mobile Application & Rain Garden Installation
Project No:	WSAG17-5
Project Description:	Developing and piloting a storm water curriculum geared toward 5 <sup>th</sup> grade level, including installing up to 2 rain gardens.
Chapter 343 Trigger:	Use of State Funds
Exemption Class & Description:	<p>Exemption Class 2, Item 22, Replacement or renovation of existing landscaping or vegetation.</p> <p>Exemption Class No. 4, Item 17, Management of surface water runoff, including installation of minor drainage ditches and implementation of other stormwater best management practices and low impact development techniques (e.g., bioretention areas, permeable pavers, etc.).</p> <p>Exemption Class No. 5, Item 2, Non-destructive data collection and inventory, including field, aerial and satellite surveying and mapping.</p>
Consulted Parties:	DLNR Engineering Division DLNR Division of Forestry and Wildlife
Recommendation:	It is recommended that the Board find that this project will have minimal or no significant effect on the environment and is presumed to be exempt from the preparation of an environmental assessment.


  
 \_\_\_\_\_  
 Suzanne D. Case, Chairperson

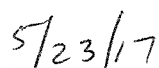
5/23/17  
 \_\_\_\_\_  
 Date

**EXEMPTION NOTIFICATION**

Regarding the preparation of an environmental assessment pursuant to Chapter 343, HRS and Chapter 11-200, HAR

Project Title:	Increasing Efficacy in Water Usage and Recharge at Ala Mahamoe, Oahu, through Native Plant Restoration and the Establishment of a Hawaiian Cultural Garden
Project No:	WSAG17-9
Project Description:	Restore 5.1 acres of degraded forest through removal of invasive species and replanting, provide for educational opportunities with nearby Pearl City schools, and establish a 2.0 acre Hawaiian cultural garden.
Chapter 343 Trigger:	Use of State Funds
Exemption Class & Description:	<p>Exemption Class No. 4, Item 8, Removal of invasive vegetation utilizing cutting, mowing, application of federal and state approved herbicides in conformance with label instructions, distribution of biocontrol agents approved by the State of Hawaii, and other approved methods.</p> <p>Exemption Class No. 4, Item 22, Natural resource management actions that the Department declares are designed specifically to monitor, conserve, or enhance the status of native species or native species' habitats, such as removal of introduced vegetation, reintroduction of native species into their historic range, or construction of fencing. This exemption would not apply to biocontrol of invasive species or commercial logging.</p> <p>Exemption class 4, Item 12, Establish temporary or permanent vegetative cover including trees, shrubs, grasses, and sod for landscaping, reforestation, soil stabilization, watershed protection, native wildlife habitat, native ecosystem restoration, and rare plant preservation; provided, however, that this exemption shall not apply to vegetation that is likely to be invasive or for tree plantings for which harvesting is planned or is reasonably foreseeable.</p>
Consulted Parties:	DLNR Engineering Division DLNR Division of Forestry and Wildlife
Recommendation:	It is recommended that the Board find that this project will have minimal or no significant effect on the environment and is presumed to be exempt from the preparation of an environmental assessment.

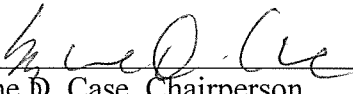
  
 \_\_\_\_\_  
 Suzanne D. Case, Chairperson

  
 \_\_\_\_\_  
 Date

## EXEMPTION NOTIFICATION

Regarding the preparation of an environmental assessment pursuant to Chapter 343, HRS and Chapter 11-200, HAR

Project Title:	Engaging Community to Restore Wetland Kalo and Study Water Recharge
Project No:	WSAG17-3
Project Description:	Pilot test a new method to estimate recharge rate from wetland taro patches; redesign auwai system to be more efficient; develop curriculum for visiting school groups.
Chapter 343 Trigger:	Use of State Funds
Exemption Class & Description:	Exemption Class 1, Item 52, Use of state lands and waters by those exercising traditional and customary practices for minor non-commercial purposes or for the gaining of traditional ecological knowledge.
Consulted Parties:	DLNR Engineering Division DLNR Division of Forestry and Wildlife
Recommendation:	It is recommended that the Board find that this project will have minimal or no significant effect on the environment and is presumed to be exempt from the preparation of an environmental assessment.

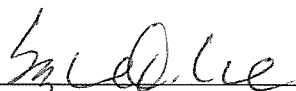
  
\_\_\_\_\_  
Suzanne D. Case, Chairperson

5/23/17  
\_\_\_\_\_  
Date

## EXEMPTION NOTIFICATION

Regarding the preparation of an environmental assessment pursuant to Chapter 343, HRS and Chapter 11-200, HAR

Project Title:	Increasing Water Use Efficiency and Conservation by Upgrading Agricultural Water Meters to AMA (Advanced Metering Analytics).
Project No:	WSAG17-7
Project Description:	Upgrade agricultural meters to AMA, which includes a smartphone/table application that provides real-time information for system operators and customers.
Chapter 343 Trigger:	Use of State Funds
Exemption Class & Description:	<p>Exemption Class No. 5, Item 1, Conduct surveys or collect data on existing environmental conditions.</p> <p>Exemption Class No. 5, Item 5, Installation of climatological stations and equipment and streamflow gaging stations and equipment, and other similar equipment necessary to measure environmental factors and collect data.</p> <p>Exemption Class 7, Item 1c, Interior alterations and renovations to offices, buildings or structures that do not increase the floor area or change the maximum occupancy to include: c. renovations that will result in energy or other operational/cost savings.</p>
Consulted Parties:	DLNR Engineering Division DLNR Division of Forestry and Wildlife
Recommendation:	It is recommended that the Board find that this project will have minimal or no significant effect on the environment and is presumed to be exempt from the preparation of an environmental assessment.

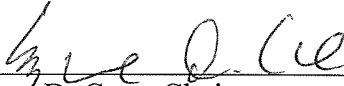
  
 \_\_\_\_\_  
 Suzanne D. Case, Chairperson

\_\_\_\_\_  
 5/23/17  
 Date

## EXEMPTION NOTIFICATION

Regarding the preparation of an environmental assessment pursuant to Chapter 343, HRS and Chapter 11-200, HAR

Project Title:	Water Security for Agriculture Capturing and Utilizing On-Farm Surface Water
Project No:	WSAG17-12
Project Description:	Construct 1,300 feet of farm road as a catchment surface for management of stormwater runoff and installation of 1.5 million-gallon detention basin and floating wetlands.
Chapter 343 Trigger:	Use of State Funds
Exemption Class & Description:	Exemption Class 4, Item 17, Management of surface water runoff, including installation of minor drainage ditches and implementation of other stormwater best management practices and low impact development techniques(e.g. bioretention areas, permeable pavers, etc.).
Consulted Parties:	DLNR Engineering Division DLNR Division of Forestry and Wildlife Office of Environmental Quality Control <sup>1</sup>
Recommendation:	It is recommended that the Board find that this project will have minimal or no significant effect on the environment and is presumed to be exempt from the preparation of an environmental assessment.

  
 \_\_\_\_\_  
 Suzanne D. Case, Chairperson

5/23/17  
 \_\_\_\_\_  
 Date


<sup>1</sup> The County of Maui, Department of Housing and Human Concerns filed then withdrew a draft environmental assessment for this project (published April 23, 2016). The withdrawal letter stated that applicant, Hoku Nui, had identified an alternate land planning and development program that does not trigger Chapter 343, HRS.

The Commission conducted preliminary verbal consultation with OEQC about the applicability of the DLNR Exemption List to the proposed Hoku Nui project for the construction of a road and detention basins to manage stormwater runoff and allow for stormwater reuse. OEQC staff member Zach Stoddard informed Commission staff that the project being proposed for funding fits within Exemption Class 4, Item 17.

## EXEMPTION NOTIFICATION

Regarding the preparation of an environmental assessment pursuant to Chapter 343, HRS and Chapter 11-200, HAR

Project Title:	Wai for Hawaii
Project No:	WSAG17-6
Project Description:	Installing rainwater catchment.
Chapter 343 Trigger:	Use of State Funds
Exemption Class & Description:	Exemption Class 6, Item 10, Water tanks with less than 20,000 gallon capacity.
Consulted Parties:	DLNR Engineering Division DLNR Division of Forestry and Wildlife
Recommendation:	It is recommended that the Board find that this project will have minimal or no significant effect on the environment and is presumed to be exempt from the preparation of an environmental assessment.

  
\_\_\_\_\_  
Suzanne D. Case, Chairperson

5/23/17  
\_\_\_\_\_  
Date

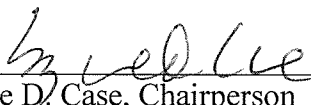


## EXEMPTION NOTIFICATION

Regarding the preparation of an environmental assessment pursuant to Chapter 343, HRS and Chapter 11-200, HAR

Project Title:	Waianae Kai Forest Reserve Protection and Restoration Project
Project No:	WSAG17-8
Project Description:	Expand and maintain vegetative “green” firebreaks that use native plants to reduce fire threat in Waianae Kai Forest Reserve, by doing clearing, weed control, outplanting, and maintenance.
Chapter 343 Trigger:	Use of State Funds
Exemption Class & Description:	<p>Exemption Class No. 1, Item 33, Maintenance of state lands and waters to remove weeds, brushes, grass and other unwanted vegetation.</p> <p>Exemption Class No. 3, Item 8, Water catchment systems with less than 20,000 gallon capacity and above ground, nondestructive irrigation systems.</p> <p>Exemption Class No. 3, Item 17, Installation and removal of irrigation systems.</p> <p>Exemption Class No. 4, Item 6, Minor vegetation clearing and management, including mowing, pruning, trimming, and application of federal and state approved herbicides in conformance with label instructions.</p> <p>Exemption Class No. 4, Item 7, Clearing of fuel breaks and other similar fire pre-suppression actions to reduce fire potential and minimize fire severity.</p> <p>Exemption Class No. 4, Item 8, Removal of invasive vegetation utilizing cutting, mowing, application of federal and state approved herbicides in conformance with label instructions, distribution of biocontrol agents approved by the State of Hawaii and other approved methods.</p> <p>Exemption Class No. 4, Item 12, Establish temporary or permanent vegetative cover including trees, shrubs, grasses, and sod for landscaping, reforestation, soil stabilization, watershed protection, native wildlife habitat, native ecosystem restoration, and rare plant preservation; provided, however, that this exemption shall not apply to vegetation that is likely to be invasive or for tree plantings for which harvesting is planned or is reasonably foreseeable.</p> <p>Exemption Class No. 4, Item 13, Gathering plant seed, cuttings, or other vegetative matter for propagation.</p>

	<p>Exemption Class No. 6, Item 11, Water catchment systems, lines, and faucets.</p> <p>Exemption Class No. 10, Item 1, Purchase of supplies, equipment, materials, motor vehicles, boats, and services.</p> <p>Exemption Class No. 10, Item 3, Requests for federal, state, county or private assistance grants to support ongoing operations or implement programs of the Department.</p> <p>Exemption Class No. 10, Item 4, Personnel-related actions.</p> <p>Exemption Class No. 10, Item 5, Training, environmental interpretation, public safety efforts and other educational activities.</p>
Consulted Parties:	<p>DLNR Engineering Division</p> <p>DLNR Division of Forestry and Wildlife</p>
Recommendation:	<p>It is recommended that the Board find that this project will have minimal or no significant effect on the environment and is presumed to be exempt from the preparation of an environmental assessment.</p>

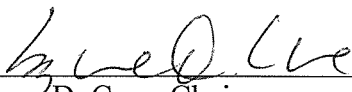
  
 \_\_\_\_\_  
 Suzanne D. Case, Chairperson

5/23/17  
 \_\_\_\_\_  
 Date

**EXEMPTION NOTIFICATION**

Regarding the preparation of an environmental assessment pursuant to Chapter 343, HRS and Chapter 11-200, HAR

Project Title:	Lanai Water Efficiency Improvement Project
Project No:	WSAG17-2
Project Description:	Convert 210 outdated meters into "smart" meters for single family homes owned by individual homeowners.
Chapter 343 Trigger:	Use of State Funds
Exemption Class & Description:	<p>Exemption Class 2, Item 16, Replacement or reconstruction of existing water tanks, water catchment basins, water units, pumps and controls, pipes, channel, dikes, and moats, in a size commensurate with existing system and source capacities and requirements to provide service in existing water systems.</p> <p>Exemption Class No. 5, Item 1, Conduct surveys or collect data on existing environmental conditions (e.g., noise, air quality, water flow, water quality, etc.).</p> <p>Exemption Class No. 5, Item 5, Installation of climatological stations and equipment and streamflow gaging stations and equipment, and other similar equipment necessary to measure environmental factors and collect data.</p>
Consulted Parties:	DLNR Engineering Division DLNR Division of Forestry and Wildlife
Recommendation:	It is recommended that the Board find that this project will have minimal or no significant effect on the environment and is presumed to be exempt from the preparation of an environmental assessment.

  
 \_\_\_\_\_  
 Suzanne D. Case, Chairperson

5/23/17  
 \_\_\_\_\_  
 Date