

RECEIVED

BOARD OF WATER SUPPLY, COUNTY OF MAUI
REGULAR MEETING

2014 FEB 14 AM 11: 25

OFFICE OF THE
COUNTY CLERK

BOARD MEMBERS: William Kamai, Chair
John W. Hoxie, Jr., Vice Chair
Patricia Eason
Donald Gerbig
Robert Joslin
Cyrus Kodani
James Rust
Michael Suzuki
Thomas Watanabe

DATE: Thursday, February 20, 2014

TIME: 9:00 a.m.

PLACE: Planning Department Conference Room
First Floor, Kalana Pakui Building
250 South High Street
Wailuku, Hawaii 96793

AMENDED
AGENDA

- I. CALL TO ORDER
- II. APPROVAL OF MINUTES
 - A. Minutes of January 16, 2014
- III. TESTIMONY FROM THE PUBLIC

All testimony shall be relevant to the meeting agenda's specific items and shall be relevant to the authority of the Board of Water Supply under the Maui County Charter – Article 8, Chapter 11, Department of Water Supply, and the Maui County Code, Title 14, Chapter 14.11, Appeals to the Board of Water Supply.

The Board shall receive testimony first from persons whose testimony forms are submitted prior to the convening of the meeting. Three (3) minutes will be granted for each testimony item. At the discretion of the Board Chair, an additional minute may be granted to conclude testimony. An additional three (3)

(Continue)

minutes on each testimony presentation may be granted to those who are unable to conclude their testimony in the originally allotted time period, after all testifiers have been heard. Persons whose testimony forms are submitted after the meeting convenes, but before the testimony portion ends, may be allowed, time permitting, to present oral testimony for three minutes on each agenda item. The Chair may grant an additional minute to conclude testimony.

IV. OTHER BUSINESS

A. Presentation by Department Staff on the County of Maui's Water Shortage Contingency Plan, followed by discussion and possible action by the board. See pages 4 - 9. Updated Department of Water Supply Drought Plan.

B. Discussion and possible action regarding posting and hearing contested cases before the Board of Water Supply.

For this matter, the board may convene in executive session pursuant to HRS §92-5(a)(4) in order to consult with the board's attorney on questions and issues pertaining to the board's powers, duties, privileges, immunities, and liabilities.

C. Receipt of Board Member request for agenda items to be placed on future agendas

V. DIVISION REPORTS

A. December Division Operational Reports (copies available upon request)

1. Plant Operations

- a. Monthly Source Reports
- b. Monthly Report – January 2014

2. Water Treatment Plants

- a. Water Treatment Facilities Production Log
- b. Water Treatment Monthly Report

3. Water Resources and Planning

- a. Groundwater Use – Maui for January 2014
- b. Groundwater Use – Molokai for January 2014

VI. ADJOURNMENT

(Continue)

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Agenda items are subject to cancellation. For a confirmation of the meeting date and time, and for tentative scheduling of agenda items, please contact the Board of Water Supply secretary at 270-7304.

Oral or written testimony on any agenda item will be accepted. Written testimony must be submitted by delivering a legible copy to the Board of Water Supply secretary, 200 South High Street, Fifth Floor, Wailuku, Hawaii 96793-2155; or faxing to 808-270-7951, 24 hours prior to the meeting so copies can be provided to the Board members. If written testimony is submitted at the meeting, please provide 15 copies prior to the close of oral testimony.

Individuals who intend to attend the meeting who have special needs or require special accommodations that will assist in his or her successful participation in the meeting (e.g., large print, taped materials, sign-language interpreter, accessible parking, etc.), should call the Board of Water Supply secretary at least three working days prior to the meeting date.

Documents on file with the Board and which may include correspondence relating to the agenda items above, may be inspected prior to the meeting date. Photocopies may be ordered, subject to charges imposed by law (Maui County Code, Sec 2.64.010). Please contact the Board of Water Supply secretary to make arrangements for inspection or photocopying of documents.

Pursuant to HRS §92-5(a)(4), an executive session may be called in order for the board to consult with their attorney on questions and issues pertaining to the board's powers, duties, privileges, immunities, and liabilities.

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ALAN M. ARAKAWA
Mayor



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2014 FEB 13 PM 2:47

DAVID TAYLOR, P.E.
Director

PAUL J. MEYER
Deputy Director

DEPARTMENT OF WATER SUPPLY
COUNTY OF MAUI
200 SOUTH HIGH STREET
WAILUKU, MAUI, HAWAII 96793-2155
www.mauiwater.org

February 13, 2014

MEMORANDUM

TO: MEMBERS OF THE BOARD OF WATER SUPPLY
FROM: DAVID TAYLOR, DIRECTOR OF WATER SUPPLY
SUBJECT: DEPARTMENT OF WATER SUPPLY DROUGHT PLAN

Attached is our intended program for dealing with drought conditions. We believe it is best to have these actions ready before we actually should have need for implementing these plans. More specifically, Maui County Code, Chapter 14.06, a copy of which is attached, entitled "Control of Water Usage During Droughts" provides certain powers to the Director after consultation with the Board of Water Supply and approval by the Mayor. Our intention is to apply these powers in the following manner.

A drought would be declared by the Director after the aforementioned consultation with the Board and with the approval of the Mayor. This declaration would be published in local newspapers and broadcast media. The declaration would explain the reasons for a drought declaration and would specifically stipulate that mandatory restrictions were going into effect and the effective date. The actual circumstances and size of the reduced water consumption might vary on a case by case basis but the actions would include the following:

1. Residential customers, who limit water consumption to 12,000 gallons per month ("gpm"), will not be subject to any penalty or fine.
2. On a monthly basis, residential customers who use more than 12,000 gpm, and who do not reduce water consumption by at least 20% shall be charged with a violation and upon conviction shall be subject to a fine of not more than \$500.00 per violation. To determine compliance, current monthly consumption will be compared to a three-month average based upon actual water consumption during the most recent prior three months for which complete water use records are available.

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3. Agricultural customers who reduce current consumption by at least 10% per month will not be subject to any violation or fine.
4. On a monthly basis, agricultural customers who do not reduce consumption by at least 10% per month shall be charged with a violation and upon conviction, shall be subject to a fine of not more than \$500.00 per violation. To determine compliance, current consumption will be compared to a three-month average based upon the actual consumption during the most recent prior three months for which complete water use records are available.
5. If the drought becomes more severe, and the 10% and 20% restrictions are not adequate, the Director may increase these to 20% and 30% and then to 30% and 40% and, 40% and 50% as may be necessary.

Lack of compliance with these mandatory restrictions may, in addition and subject to appeal to the Board of Water Supply, result in removal of the water meter of users who violate the above drought restrictions pursuant to Section 14.06.030 of Maui County Code.

Attached for your review is a sample of a press release declaring a drought which may help in framing the circumstances and understand the implementation. We felt it important to share this with you in advance of events and the need for mandatory restrictions which might occur in the summer and fall of 2014 or subsequent years.

It is our intention to satisfy the ordinance provisions by having an action plan pre-approved. A consultation with the Board will be required to issue a drought proclamation. The consultation on the action plan presented above will, however, have already occurred.

We look forward to discussing this issue and this approach at the next convenient meeting of the Board.

Attachment

xc: Paul Meyer
Jacky Takakura

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Chapter 14.06 CONTROL OF WATER USAGE DURING DROUGHTS

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Maui County, Hawaii, Code of Ordinances >> Title 14 - PUBLIC SERVICES >> Article 1, - Water >>
Chapter 14.06 CONTROL OF WATER USAGE DURING DROUGHTS >>

Chapter 14.06 CONTROL OF WATER USAGE DURING DROUGHTS

Sections:

14.06.010 Declaration of drought.

14.06.020 Control of water usage.

14.06.030 Violation—Penalty.

14.06.010 Declaration of drought.

- A. Whenever the water supply becomes inadequate in any area in the County because of a period of drought, the director, after consultation with the board and approval by the mayor, may issue a proclamation declaring a drought to exist in such area.
- B. The declaration of drought shall be published in a newspaper of general circulation in the County at least once a month during the period of the drought.

(Ord. No. 3623, § 1, 2009)

14.06.020 Control of water usage.

- A. After a drought has been declared pursuant to this chapter, the director may restrict the use of water in the area by such appropriate schedules and measures as the director may deem proper.
- B. The schedules may restrict the use of water during certain hours or days of the week and within certain amounts.
- C. The director may prohibit the use of water for irrigation, lawns, construction, subdivision, or other types of activity and the installation of any new meter or new water service.
- D. Regular United States mail or a notice in a newspaper of general circulation may be used to inform users of the schedules and measures established by the director.

(Ord. No. 3623, § 1, 2009)

14.06.030 Violation—Penalty.

- A. Subject to the opportunity to appeal to the board pursuant to Chapter 14.11 of this code, the director may remove the water meter of users who violate any of the schedules or measures established pursuant to this chapter, and shall assess the user the sum of \$100.00 for reinstallation of a removed meter.
- B. Any person violating the schedules or measures established by the director pursuant to this chapter shall be charged with a violation and, upon conviction thereof, shall be subject to a fine of not more than \$500.00 for each violation.

(Ord. No. 3623, § 1, 2009)

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Alan M. Arakawa
Mayor



David S. Taylor, P.E.
Director

Paul J. Meyer
Deputy Director

DEPARTMENT OF WATER SUPPLY
COUNTY OF MAUI
200 South High Street
Wailuku, Maui, Hawaii 96793-2155

Telephone (808) 270-7816 • Fax (808) 270-7833 • www.mauiwater.org

November XX, 2013

PRESS RELEASE

Contact: Jacky Takakura, Administrative Officer
270-8046/jacky.takakura@co.maui.hi.us

DWS Declares Mandatory Water Reduction Upcountry Effective November 15, 2013

On October 30, 2013, the Department of Water Supply (DWS) asked for a voluntary 20% cutback in water use; however, water levels in the reservoirs have dropped to the point that Upcountry customers may run out of water if usage is not severely curtailed. The affected area includes Haiiku, Makawao, Olinda, Haliimaile, Pukalani, Omaopio/Pulehu, Kula, Keokea/Waiohuli, Ulupalakua, and Kanaio.

As the Department was not able to maintain reservoir levels, customers are now subject to mandatory restrictions and the Director has declared a drought to exist effective on November 15, 2013 as follows:

1. Residential customers who limit water consumption to 300 gallons per day or 12,000 gallons per month, will not be subject to any penalty or fine.
2. Residential customers using more than 300 gallons per day or 12,000 gallons per month, who do not reduce water consumption by at least 20% shall be charged with a violation and upon conviction, shall be subject to a fine of not less than \$500 per violation. To determine compliance, current consumption will be compared to a 3-month average based on actual water consumption during the months of July, August and September of 2013.
3. Agricultural customers who reduce current consumption by at least 10% per month will not be subject to any violation or fine.
4. Agricultural customers who do not reduce consumption by at least 10% per month shall be charged with a violation and upon conviction, shall be subject to a fine of not less than \$500 per violation. To determine compliance, current consumption will be compared to a 3-month average based on actual consumption during the months of July, August, and September of 2013.

By Water All Things Find Life

The Department of Water Supply is an Equal Opportunity provider and employer.

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Press Release –Upcountry Customers Urged to Reduce Water Usage by 20%
October 30, 2013
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Lack of compliance with these mandatory restrictions may, in addition and subject to appeal to the Board of Water Supply, result in removal of the water meter of users who violate the above drought restrictions (Section 14.06.030, Maui County Code).

The following conditions existed as of Tuesday morning, October 30, 2013:

1. **Wailoa Ditch**
Flows at the ditch this morning were at 22.4 million gallons per day (MGD) or 11.2% of capacity. For October 24 to 30, the average flow was 23.4 MGD.
2. **Kamole Water Treatment Facility**
Facility production was 4.5 million gallons (MG) for the previous 24-hour period. The annual average water production for this facility is 2.4 MGD.
3. **Piiholo Water Treatment Facility**
The Piiholo reservoir contained 27.8 MG or 55.6% of capacity. The reservoir is at a relatively safe level due to daily pumping up from the Kamole facility to the reservoir. Piiholo production averaged 2.5 MG for the past week.
4. **Waikamoi and Kahakapao Reservoirs**
The 30 MG Waikamoi Reservoirs are empty; the 100 MG Kahakapao reservoirs hold 45.1 MG of untreated water.
5. **Olinda Water Treatment Facility**
The Olinda facility was shut down in early September due to drought conditions, and is providing water to the Olinda area only. The Piiholo facility in Lower Kula currently supplies water to customers in Upper Kula.
6. **Groundwater**
Kaupakalua Well production averages 0.7 MGD. The Haiku Well currently provides 0.4 MG, and the draw from Pookela Well is 1.3 MGD. Hamakuapoko Wells are not ready for service at this time.
7. **Total Demand**
The total average demand for the Upcountry water system for the past week was 8.2 MGD. Normally, average demand is 7.1 MGD.
8. **Rainfall Forecast**
The NOAA National Weather Service prediction for the week ranges from "less than a tenth of an inch to a quarter of an inch possible" precipitation for the Makawao area for the week.

Comment [CEI]: Is this correct? Is current production 2x more than the average?

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To help conserve water, consumers should check in and around homes for leaks, use water conservatively, and install water saving devices where possible. Suggested conservation methods include not washing cars, irrigating lawns or filling storage tanks or reservoirs. Decreasing outdoor water use is a simple yet significant way to reduce water consumption.

Free low-flow showerheads and leak detection dye tablets for toilets are available at One Main Plaza, Suite 102 in Wailuku. For more information on how to save water, contact the DWS at 463-3110. To report leaks in the water system, please call 270-7633.

The Department of Water Supply would like to thank the Upcountry Maui community for their continued cooperation during this challenging time.

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