

SPECIAL BOARD MEETING MINUTES  
BOARD OF WATER SUPPLY  
**Thursday, June 5, 2014**

The Board of Water, County of Kaua'i, met in a special meeting at its office in Līhu'e on Thursday, June 5, 2014. Vice Chair Clyde Nakaya called the meeting to order at 10:15 a.m. On roll call, the following answered present:

BOARD: Mr. Clyde Nakaya, *Chair*  
Mr. Sherman Shiraishi, *Vice Chair*  
Ms. Laurie Ho  
Mr. Hugh Strom *(via teleconference – from Houston)*  
Mr. Larry Dill *(via teleconference – from Washington)*

EXCUSED/ABSENT: Mr. Mike Dahilig  
Mr. Ray McCormick

Quorum was achieved with 5 members present at roll call.

STAFF: Mr. Kirk Saiki  
Ms. Marites Yano  
Mr. Carl Arume  
Mr. Dustin Moises  
Mr. Val Reyna  
Ms. Kim Tamaoka  
Mr. Eddie Doi  
Mr. Keith Aoki  
Ms. Christine Erorita  
Ms. Mary-jane Garasi  
Deputy County Attorney Andrea Suzuki

**ACCEPTANCE OF THE AGENDA:**

Ms. Ho moved to approve the agenda; seconded by Mr. Shiraishi; with no objections, motion carried with 5 ayes.

**NEW BUSINESS:**

1. Department of Water update on the Kalāheo Water Emergency

**BACKGROUND:**

On Thursday, May 29<sup>th</sup>, Well No. 1 pump was pulled out with the shaft broken above the pump assembly (the last 20 feet of the pump). The timeline on temporary repairs are as follows:

- ✓ Friday, May 30<sup>th</sup> – The temporary line was installed between Lāwa'i and Kalāheo.
- ✓ Saturday, May 31<sup>st</sup> - The line was started up with the booster pump.
- ✓ Tuesday, June 3<sup>rd</sup> – The 200 gpm test pump was installed and started on Pump No. 1 which was hooked up to the reservoir. Since June 3<sup>rd</sup> water levels have been maintained.
- ✓ 8:30 a.m. today – The Kalāheo reservoir has 12' water, Kukuilono has 14' water, and Kekala Makai has 24.6' of water with all residents being served. Birdie's Café has water but the owner is undecided if the café will re-open.
- ✓ Since Wednesday, June 4<sup>th</sup>, the pump was still being pulled from Pump No. 2.
- ✓ Friday, June 6<sup>th</sup> – The Department will know what is broken in Pump No. 2.

**DISCUSSION:**

On June 4<sup>th</sup>, the community was allowed to wash laundry. Since this was a temporary fix, the time frame is 4 to 6 weeks out before the repairs are completed. *Acting Manager & Chief Engineer, Mr. Saiki* explained if the impeller is broken in Pump No. 2, the part would be installed in Pump No. 1. If the shaft is broken in Pump No. 2, the pieces would be swapped from Pump No. 1.

2. Manager's Report No. 14-58 – Request for General Funding for Kalāheo Water Emergency

Ms. Ho moved to “Received for the Record” Manager's Report No. 14-58 – Request for General Funding for Kalāheo Water Emergency; seconded by Mr. Shiraiishi; with no objections, motion carried with 5 ayes.

Received for the Record  
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**DEPARTMENT OF WATER**

County of Kaua'i

*"Water has no Substitute – Conserve It!"*

**MANAGER'S REPORT No. 14-58**

June 5, 2014

Re: Request for General Funding for Kalaheo Water Emergency

**RECOMMENDATION:**

The Department requests the Board to approve the Department's request to transfer funds from the CIP Reserve Fund for the Kalaheo Water System's Emergency Repairs.

**FUNDING:**

Funds for the subject project are available through Account 106b – CIP Reserve Fund

Account 106b Budget: CIP Reserve Fund			\$12,268,247
Additional Funds Required to Complete Repair Work		\$290,600	
Other Unanticipated Expenses		\$109,400	
Funds Requested			\$400,000
Funds Certified			(\$400,000)
	Funds Remaining		\$11,868,247

**BACKGROUND:**

On or about January 29, 2014, the Department determined that the Kalaheo Deep Well 1 pump was inoperable due to a suspected broken shaft. The Department asked the Board for funding of the Kalaheo Deep Well 1 repairs at the February 27, 2014 Board Meeting. The Board approved funding at this meeting.

On the evening of May 24, 2014, the Department responded to a low water level alarm at the Kalaheo Reservoir. During the troubleshooting investigation the Department discovered that the Kalaheo Deep Well 2 pump was inoperable. This left the Kalaheo service area without a source. At the February 27, 2014 Board Meeting, the Board approved transferring \$85,000 from the CIP Reserve Fund to repair the pump in Kalaheo Well 1. On May 28, 2014, the Board, at an Emergency Board Meeting, approved transferring \$250,000 from the CIP Reserve Fund to repair the pump in Kalaheo Well 2. The total amount of funds approved by the Board for the repair of the pumps at the Kalaheo Well Site is \$335,000.

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Since May 24, 2014, the night the pump in Kalaheo Well 2 broke; the Department has removed the pump from Well 1, ordered replacement parts for the Well 1 Pump, begin removal of pump in Well 2, installed the temporary pipeline and booster pump from Lawai to Kalaheo, and filled the Kalaheo tank manually using water tanker trucks.

The costs incurred to date are estimated by the Department as follows:

Item	Cost
Remove Pump in Well 1	\$12,000
Parts for Well 1 Pump	\$117,500
Install Temporary Pump in Well 1	\$18,200
Install Temporary Pipeline and Booster Pump	\$85,000
	\$232,700

The cost to complete has been estimated by the Department as follows:

Item	Cost
Install Pump in Well 1	\$18,000
Remove, Repair and install Pump in Well 2	\$29,400
Parts for Well 2 Pump	\$117,500

Remove Temporary Pump in Well 1	\$8,000
Remove Temporary Pipeline and Booster Pump	\$10,000
County Reimbursement	\$150,000
Miscellaneous Public Relations Costs	\$10,000
Contingency	\$50,000
	\$392,900

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The difference between the Board approved funds and the cost to complete the repairs is \$290,600. The Department is requesting that the Board approve a \$400,000 transfer of funds from the CIP Reserve Fund to complete the work. The additional \$109,400 being requested will be used only for unanticipated expenses that arise during the repair of the pumps.

**OPTIONS:**

Option 1 – Board approves transfer of funds to repair Kalaheo Well pumps.

Pros: Pumps are repaired and backup service is restored.

Cons: Funds not available for other uses.

Option 2 – Board does not approve transfer of funds to repair Kalaheo Well pumps.

Pros: Funds available for other uses

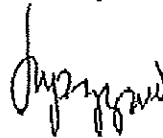
Cons: Pumps are not repaired and backup service is not available.

Respectfully submitted,



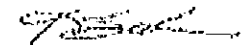
Valentino Reyna  
Chief, Operations Division

Funding reviewed:



Marites Yano  
Waterworks Controller

**CONCURRED:**



Kirk Saiki, P.E.  
Acting Manager and Chief Engineer

BACKGROUND:

*Acting Manager & Chief Engineer*, Mr. Saiki reported the total amount of funds approved by the Board for the repair of the pumps at the Kalāheo Well Site was \$335,000. The cost incurred to date in repairing the pump and to restore service to the Kalāheo area since May 24<sup>th</sup> was \$232,700 (Table 1).

The estimated cost to complete the remaining repairs is \$392,900 (Table 2). The difference between the remaining dollars and the cost to complete the repairs is \$209,600 (a deficit).

The Department requested \$400,000 to be transferred from the CIP Reserve Fund to complete the repair work. The additional \$109,400 being requested was for unanticipated expenses that arise during the repair of the pumps.

The County Reimbursement for \$150,000 (Table 2) was the estimate on the county's marked up labor (\$20-\$30 an hour range & overtime) and the market rate cost for a water truck rental. The Department would reimburse the County.

Mr. Dill requested to see a final tally of the actual costs.

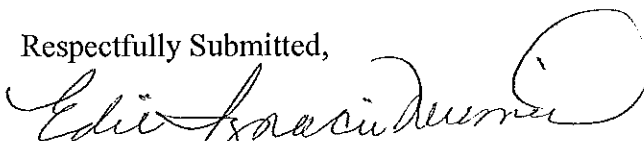
Ms. Ho asked if the existing pumps were new but flawed. *Acting Manager & Chief Engineer*, Mr. Saiki commented that the pumps are still being investigated.

Deputy County Attorney, Andrea Suzuki explained that claims (up to \$5,000) against the Board, would be filed with the County Attorney Office and handled at a separate time.

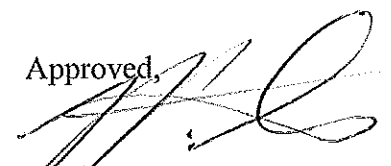
Mr. Shiraishi moved to approve and accept *Option 1- Board approves transfer of funds to repair Kalāheo Well pump*, in Manager's Report No. 14-58 – Request for General Funding for Kalāheo Water Emergency; seconded by Ms. Ho; with no objections, motion carried with 5 ayes at Roll Call (LH, SS, LD, HS, CN).

Mr. Shiraishi moved to adjourn the Special Board Meeting at 10:37 a.m.; seconded by Ms. Ho; with no objections, motion was carried with 5 ayes.

Respectfully Submitted,

  
Edie Ignacio Neumiller  
Commission Support Clerk

Approved,

  
Hugh A. Strom  
Secretary – Board of Water Supply