

January 31, 2017

VIA HAND DELIVERY

The Honorable Chair and Members of
the Hawaii Public Utilities Commission
Kekaunaoa Building
465 South King Street, 1st Floor
Honolulu, Hawaii 96813

**Re: Docket No. 2012-0147—Waikoloa Sanitary Sewer Company, Inc., dba
West Hawaii Sewer Company; Application for General Rate Increase;
Quarterly Energy Use and Efficiency Report**

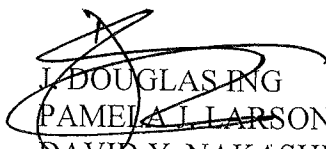
Dear Commissioners:

Pursuant to Ordering Paragraph No. 6 of Decision and Order No. 32926, enclosed is
West Hawaii Sewer Company's Energy Use and Efficiency Report for the quarter ending
December 31, 2016.

If you have any questions, please feel free to contact us.

Very truly yours,

WATANABE ING LLP


I. DOUGLAS ING
PAMELA L. LARSON
DAVID Y. NAKASHIMA

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Enclosures

cc: Division of Consumer Advocacy (*via hand delivery*)



HAWAII WATER SERVICE COMPANY

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WEST HAWAII SEWER COMPANY ENERGY USE AND EFFICIENCY REPORT

(For the quarter ended December 31st, 2016)

In Ordering Paragraph No. 6 of Decision and Order No. 32926 filed in Docket No. 2012-0147 on June 22, 2015, the Hawaii Public Utilities Commission (the "Commission") ordered West Hawaii Sewer Company ("WHSC") to file quarterly energy use and efficiency reports with the Commission.

The following is an update on WHSC's efforts toward reducing energy consumption and increasing energy efficiency.

1. On June 1, 2015, Hawaii Energy completed an energy audit for its two wastewater treatment plants: the A Plant and the K Plant. The audit recommended replacing the existing blowers at both the K Plant and the A Plant with energy efficient KTurbo blowers, and replacing the existing decanter centrifuges at the A Plant with other sludge dewatering technology. WHSC submitted the audit and its action plan as required under Decision and Order No. 32926. WHSC requested and received from WSI (the Design Build firm of both WWTP's) proposals for replacing the existing aeration blowers with KTurbo aeration blowers at the A and K WWTP's. WSI also included an energy analysis, and the recommendation by WSI was that the energy efficiency gains would be minimal with these size blowers. Based on the recommendation by WSI, WHSC cannot justify replacing the existing blowers at this time. WHSC will revisit this recommendation periodically to determine the right time to replace the blowers.
2. The location of the oxygen probe in the aeration basin was relocated from the 1st partition to the 3rd and final partition at the K-Plant. The relocation of the probe has allowed the Plant SCADA to optimize the operation of the blowers based on a target dissolved oxygen (DO) level which has reduced total power consumption by approximately 20%.