

BOARD OF WATER SUPPLY

CITY AND COUNTY OF HONOLULU
630 SOUTH BERETANIA STREET
HONOLULU, HI 96843
www.boardofwatersupply.com



April 10, 2019

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Manager and Chief Engineer

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Deputy Manager and Chief Engineer *ek*

The Honorable Henry J. C. Aquino, Chair
and Members
Committee on Transportation
Hawaii State Capitol, Room 423
Honolulu, Hawaii 96813

Dear Chair Aquino and Members:

Subject: Senate Concurrent Resolution 67, Senate Draft 1, Requesting Public Water Utilities to Consider the Disruption to Traffic and Transportation as a Criterion in Planning Future Maintenance

The Honolulu Board of Water Supply (BWS) supports the intent of Senate Concurrent Resolution (SCR) 67, Senate Draft (SD) 1, requesting public water utilities to consider the disruption to traffic and transportation as a criterion in planning future maintenance.

The BWS has a pipeline replacement prioritization program in place based on risk, which is defined as (the consequence of failure) x (the likelihood of failure). There are a number of criterion to consider in order to evaluate risk of failure and identify the high risk pipelines that should be replaced first, assuming available funding. Certainly, the age of the pipe, the type and size of water main or pipe, the depth, type and growth of corrosion, soil corrosion, and location and number of breaks are just a few to mention.

The BWS Board of Directors (Board) adopted a Water Master Plan (Plan) in October 2016. The Plan provides a roadmap for long-term water system planning on Oahu for the next 30 years that supports the mission of the BWS to provide safe, dependable, and affordable water on Oahu now and into the future. The Plan is intended to be a living document, allowing for flexibility in implementation through periodic updates and adjustment of projects as conditions and needs change. To meet the goals and objectives of the Plan, the Board needed to adopt a Long Range Financial Plan, which was done in March 2018. To meet the financial objective, the Board adopted revisions to the schedule of rates and charges for the furnishing of water and water service in September 2018. An Infrastructure Investment Plan from the findings of the Plan, identifies and sets forth the schedule of capital improvements to implement the findings and recommendations of the overall Master Plan. The BWS seeks to increase its annual replacement of pipeline to 21 miles per year over the next decade. That being said, when water main or pipeline breaks do occur the BWS considers traffic mitigation of utmost importance.

During main or pipeline repairs, crews may need to work later in the night to complete road repair. Depending on the type of main or pipeline break, crews may need to temporarily suspend

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repair until after the rush hour traffic subsides. Whenever there is a major water break, the BWS coordinates with the City's Department of Transportation Services, Honolulu Police Department and the State Department of Transportation to help relieve traffic congestion as BWS crews continue to repair the broken water main. The BWS is quick to notify its local broadcast stations and the Honolulu Star-Advertiser newspaper to inform motorists to find alternate routes. **HNL Info** is Honolulu's way to keep the public informed about traffic situations, major water service-related issues, weather conditions and events happening around the island.

Thank you for your consideration of our testimony on SCR 67 / SD 1.

Very truly yours,

A handwritten signature in blue ink, appearing to read 'Ernest Y. W. Lau', with a long horizontal flourish extending to the left.

ERNEST Y. W. LAU, P.E.
Manager and Chief Engineer