



AQUA ENGINEERS

AN EMPLOYEE OWNED COMPANY

HWEA Collections Conference

November 13, 2009

Collection Systems Statewide

Hawaii - Lanai

Oahu - Kauai



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- ▣ Hawaii - Heeia WWTP collection system
 - Approximately 18 miles of sewer
 - 6 pump stations
 - 4 personnel plant operations and collections
 - Send A-Vac from Kauai to support large scale work
 - 1 trailer Jetter, 1 vacuum pump truck



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- ▣ Lanai – Manele District and WWTP, Koele District
 - Approximately 5 miles of gravity sewer collections system
 - Approximately 4 miles of sewer force main
 - 9 sewer pump stations
 - 3 personnel plant operations and collections
 - Send A-Vac from Kauai to support large scale work



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- ▣ Oahu
 - Schofield Army WWTP Collection System
 - Turtle Bay Resort WWTP Collection System
 - Oahu Army Waste Water Collection System



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- ▣ Kauai
 - Lihue Puhi WWTP Collection System
 - HOH PWRP WWTP Collection System
 - Grand Hyatt Poipu WWTP Collection System
 - Kukuiula South Shore WWTP Collection System
 - Other Sewer Pump Stations only
 - ▣ Approximately 20 miles of gravity sewer collection systems
 - ▣ 30 sewer pump stations
 - ▣ Mechanical maintenance shared by mechanics and plant operators 9 personnel



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- ▣ A-Vac, LLC
 - 5 personnel based on Kauai
 - Collection Sewer systems, pump station wet wells
 - 3 vacuum pump trucks for plant sludge hauling and contract cesspool pumping clients and other
 - 1 Vactor and 1 trailer Jetter
 - Land application of sludge