



HAWAIIAN HOME LANDS
HAWAIIAN HOMES COMMISSION
DEPARTMENT OF HAWAIIAN HOME LANDS

Informational Meeting: DHHL Water Systems November 2017

Agenda

- Pule & Opening
- Discussion Kuleana
- Presentation
 - DHHL-owned Water Systems
 - Costs to manage, operate, maintain
 - Current rate structure
- Questions
- Next Steps

Purpose

Provide information about the following so that beneficiaries have a better understanding about these topics :

- (1) the DHHL-owned Water Systems
- (2) costs to manage, operate & maintain
- (3) what's included in the current rate structure



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Discussion Kuleana

Discussion Kuleana

- ✓ Be creative!
 - Work toward future solutions/aspirations
- ✓ Disagreement is ok as long as we are respectful of each other
- ✓ Everyone gets a turn first, then repeats
- ✓ Cell phones off or on silent
 - Take all calls/texting outside
- ✓ Please hold questions until after presentation

Discussion Kuleana

You are personally responsible for:

- ✓ Making sure everyone has equal opportunity to express their ideas
- ✓ Actively listening & listening to understand
- ✓ Asking questions
- ✓ Keeping an open mind & maintaining a positive attitude
- ✓ Keeping side conversations to a minimum

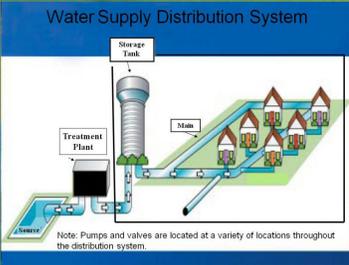
Refresher

- Water Policy Plan, approved by the Hawaiian Homes Commission, July 2014
- “Water System 101” workshop presented to the Hawaiian Homes Commission, June 2017
- Water Administrative Rules, Beneficiary Consultations, June – August 2017
- What is a “Water System”?

Refresher: What is a Water System?

U.S. EPA:

A modern day auwai system of tanks, pumps, pipes, and valves that takes water from source to delivery.



Note: Pumps and valves are located at a variety of locations throughout the distribution system.

Where are DHHL’s Water Systems Located?



Quick Facts: Ho’olehua drinking water system

- Age: oldest parts of the system date back to the 1930s
- Department of Health (DOH) ID # PWS 230
 - DOH Requires Certified Grade Level 2 Operator
- 598 connections
- Homestead areas served: Ho’olehua, Kalama’ula
- Essential community facilities served: Ho’olehua airport, US Post Office, schools, churches, Lanikeha Center, offices

Quick Facts: Ho’olehua drinking water system

- **Source:** groundwater wells – Kauluwai Well No. 1 and No. 2
- **Storage:** 5 storage tanks
 - 100,000 gallon tank at the well site
 - 1MG Kauluwai tank
 - Two – 3.5 MG tanks in Ho’olehua
 - 200,000 gallon Kalama’ula tank
- **Treatment:** Liquid sodium hypochlorite
- **Distribution:** 50 miles of pipe; 2 booster pumps; 2 altitude valves; gravity flow
- 450 fire hydrants
- Emergency connection to County of Maui Kalae water system

Ice Breaker 1



Typical Water System Expenses

CAR	WATER SYSTEM
<ul style="list-style-type: none"> • Driver's License • Engine • Battery • Fuel tank • Fuel injection system • Appurtenances: hoses, electrical wires • Security: key, car alarm, "the club" 	<ul style="list-style-type: none"> • Certified Operator • Well Pumps • Electricity • Storage tank • Booster pumps, PRVs • Appurtenances: distribution lines, pipes, fire hydrants • Security: lights, fences, gates, locks, security cameras

Other Expenses

CAR	WATER SYSTEM
<ul style="list-style-type: none"> • Major repairs • "rainy day fund" – set aside \$\$\$ to someday replace the car 	<ul style="list-style-type: none"> • Major capital improvements • Reserve funds

Ho'olehua Water System Expenses

Fiscal Year 2015 - 2016

	% of Total	Amount
Personnel & related costs	49%	\$394,943
Electricity	39%	309,600
Operations, Repair, Maintenance	6%	45,564
Vehicles	3%	25,959
Baseyard building	2%	18,739
Office expenses	1%	6,598
Freight & delivery	0%	2,030
Reserves	0%	-0-
TOTAL	100%	\$803,433

What DHHL is doing to keep costs down

Increase Revenue	Increase system efficiencies
<ul style="list-style-type: none"> • Obtained \$10M federal grant for major capital improvements • Review/Adjust rate structure 	<ul style="list-style-type: none"> • Leak detection program • Increase scheduled maintenance • Review operating budget

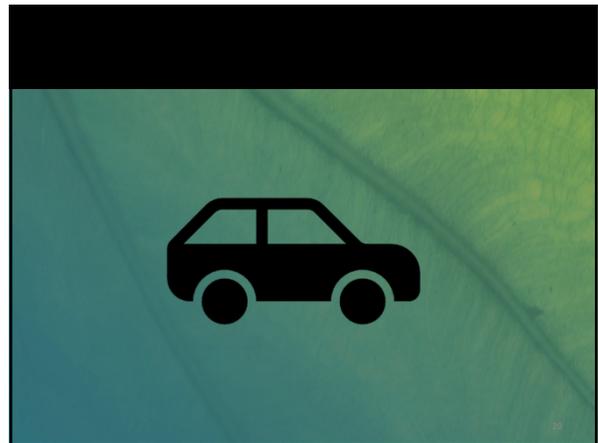
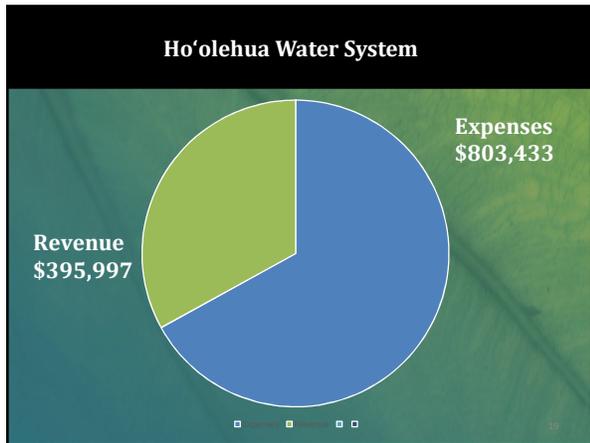
Ice Breaker 2

Definition of "Break Even"?

Ice Breaker 2

Definition of "Break Even"?

Expenses = Revenues



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Next Steps

The slide features the Hawaiian Home Lands logo at the top, which includes a stylized leaf and arrow icon. Below the logo is the text 'HAWAIIAN HOME LANDS', 'HAWAIIAN HOME COMMISSION', and 'DEPARTMENT OF HAWAIIAN HOME LANDS'. The main content is the text 'Next Steps' in a large, white, serif font, centered on a dark green background with a subtle pattern of water droplets and arrows.

- ### Next Steps for DHHL
- Implement major capital improvements to increase operational efficiencies
 - Review & adjust rate structure
 - Ensure system parts/equipment in good working condition
 - Continue leak detection
 - Complete Water Administrative Rules process

- ### Next Steps for You
- Think about today's discussion
 - Talk to family, friends, neighbors
 - Fix leaks
 - Conserve water
 - Everyone do their part, including DHHL

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Mahalo !

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