



HAWAIIAN HOME LANDS  
HAWAIIAN HOMES COMMISSION  
DEPARTMENT OF HAWAIIAN HOME LANDS

# Informational Meeting:

## DHHL Water Systems

### November 2017

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## Agenda

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

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## 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

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## 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

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## 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

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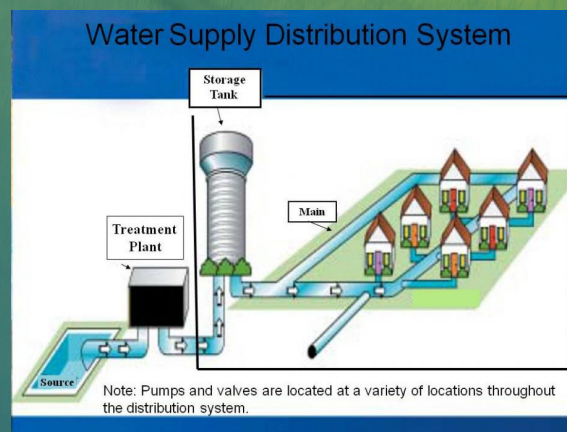
## Refresher

- 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.



## Where are DHHL's Water Systems Located?



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### Quick Facts: Anahola drinking water system

- Age: 30 years
- Department of Health (DOH) ID # PWS 432
  - DOH Requires Certified Grade Level 1 Operator
- 77 connections
- Homestead areas served: Anahola Farm Lots & Bay View residents
- Emergency inter-connection to County of Kauai

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## Quick Facts: Ho'olehua drinking water system

- Source: groundwater well
- Storage: 500,000 gallon storage tank at the well site
- Treatment: Liquid sodium hypochlorite
- Distribution: 6,500 linear feet of pipe

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## Ice Breaker 1



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## Typical Water System Expenses

### CAR

- Driver's License
- Engine
- Battery
- Fuel tank
- Fuel injection system
- Appurtenances: hoses, electrical wires
- Security: key, car alarm, "the club"

### WATER SYSTEM

- Certified Operator
- Well Pumps
- Electricity
- Storage tank
- Booster pumps, PRVs
- Appurtenances: distribution lines, pipes, fire hydrants
- Security: lights, fences, gates, locks, security cameras

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## Other Expenses

### CAR

- Major repairs
- "rainy day fund" – set aside \$\$\$ to someday replace the car

### WATER SYSTEM

- Major capital improvements
- Reserve funds

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## Anahola Water System Expenses Fiscal Year 2015 - 2016

	% of Total	Amount
Personnel - DHHL	16%	\$40,906
Contract Operator	71%	175,758
Operations, Repair, Maintenance	0%	649
Electricity	10%	24,469
Telephone	0%	175
Fee for Service	3%	6,806
<b>Reserves</b>	<b>0%</b>	<b>-0-</b>
<b>TOTAL</b>	<b>100%</b>	<b>\$248,763</b>

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### What DHHL is doing to keep costs down

#### Increase Revenue

- Obtained \$3M federal grant for major capital improvements
- Review/Adjust rate structure

#### Increase system efficiencies

- Leak detection program
- Increase scheduled maintenance
- Review operating budget

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## Ice Breaker 2

Definition of "Break Even"?

$$\text{Expenses} = \text{Revenues}$$

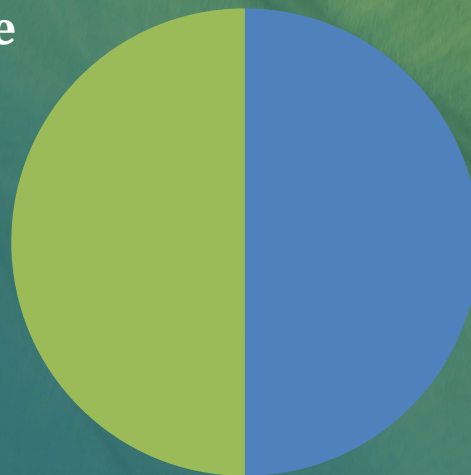
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## Break Even

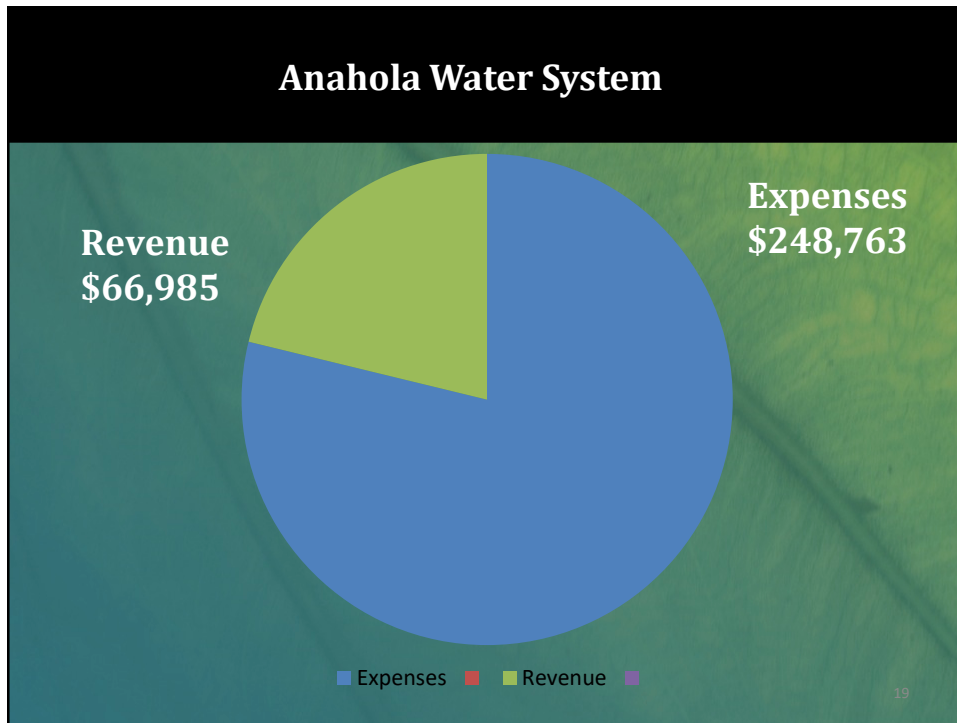
Revenue

Break Even

Expenses



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# Next Steps

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## 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

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## 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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