



HAWAIIAN HOME LANDS
HAWAIIAN HOMES COMMISSION
DEPARTMENT OF HAWAIIAN HOME LANDS

Informational Meeting:

DHHL Water Systems

November 2017

1

Agenda

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

2

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

3



HAWAIIAN HOME LANDS
HAWAIIAN HOMES COMMISSION
DEPARTMENT OF HAWAIIAN HOME LANDS

Discussion Kuleana

4

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

5

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

6

Refresher

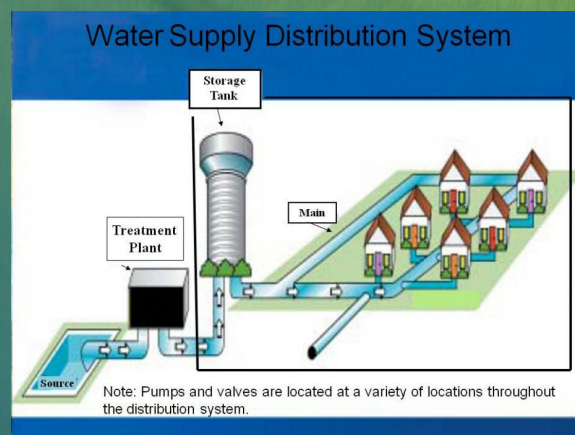
- Water Policy Plan, approved by the Hawaiian Homes Commission, July 2014
- “Water System 101” workshop presented to the Hawaiian Homes Commission, June 2017
- Water Administrative Rules, Beneficiary Consultations, June – August 2017
- What is a “Water System”?

7

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.



8

Where are DHHL's Water Systems Located?



9

Quick Facts: Pu'ukapu non-potable water system

- Age: Built 2014
- Department of Health (DOH) ID # - NA
 - No DOH Requirement for a Certified Operator
- 43 connections
- Homestead areas served: Pu'ukapu pastorol lots

10

Quick Facts: Pu'ukapu water system

- Source: County of Hawaii Department of Water
- Storage: 3 water reservoir tanks & 4 fire tanks
- Treatment: Not applicable
- Distribution: 70,050 linear feet of pipe

11

Ice Breaker 1



12

Typical Water System Expenses

CAR

- Battery
- Fuel tank
- Appurtenances: hoses, electrical wires
- Security: key, car alarm, "the club"

WATER SYSTEM

- Electricity
- Storage tanks
- Appurtenances: distribution lines, pipes, fire tanks
- Security: fences, gates, locks

13

Other Expenses

CAR

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

WATER SYSTEM

- Major capital improvements
- Reserve funds

14

Pu'ukapu Water System Expenses

Fiscal Year 2015 - 2016

	% of Total	Amount
Personnel - DHHL	4%	\$7,568
Contract Operator	96%	205,257
Electricity	0%	614
Reserves	0%	-0-
TOTAL	100%	\$213,439

15

What DHHL is doing to keep costs down

- ✓ Review flat rate structure
- ✓ Perform routine maintenance
- ✓ Review operating budget

16

Ice Breaker 2

Definition of “Break Even”?

Expenses = Revenues

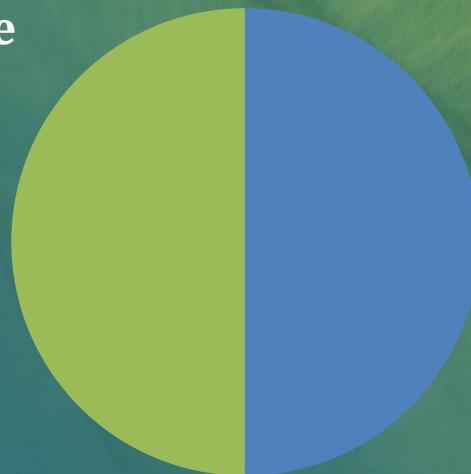
17

Break Even

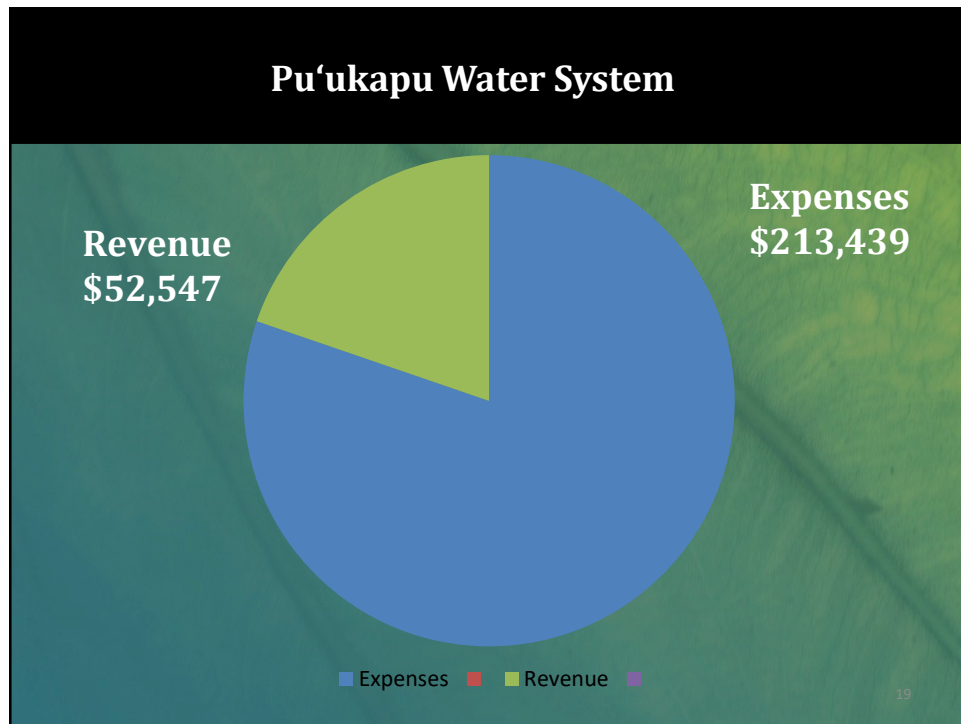
Revenue

Break Even

Expenses



18





HAWAIIAN HOME LANDS
HAWAIIAN HOMES COMMISSION
DEPARTMENT OF HAWAIIAN HOME LANDS

Next Steps

21

Next Steps for DHHL

- Review & adjust rate structure
- Maintain system parts/equipment in good working condition
- Complete Water Administrative Rules process

22

Next Steps for You

- Think about today's discussion
- Talk to family, friends, neighbors
- Everyone do their part, including DHHL

23



HAWAIIAN HOME LANDS
HAWAIIAN HOMES COMMISSION
DEPARTMENT OF HAWAIIAN HOME LANDS

Mahalo !

24