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
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

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.
Where are DHHL’s Water Systems Located?

- Department of Health (DOH) ID # PWS 164
- DOH Requires Certified Grade Level 1 Operator
- 151 connections
- Homestead areas served: Kailapa residents
- **Source:** Kohala Ranch water system

Quick Facts: Kawaihae drinking water system
Ice Breaker 1

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
- Electricity
- Storage tank
- Booster pumps, PRVs
- Appurtenances: distribution lines, pipes, fire hydrants
- Security: fences, gates, locks
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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**Kawaihae Water System Expenses**
**Fiscal Year 2015 - 2016**

<table>
<thead>
<tr>
<th></th>
<th>% of Total</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personnel - DHHL</td>
<td>4%</td>
<td>$9,082</td>
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<tr>
<td>Contract Operator</td>
<td>20%</td>
<td>46,016</td>
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<tr>
<td>Purchase of Water</td>
<td>71%</td>
<td>164,553</td>
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<tr>
<td>Electricity</td>
<td>5%</td>
<td>11,018</td>
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<tr>
<td>Reserves</td>
<td>0%</td>
<td>-0-</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td>100%</td>
<td><strong>$230,669</strong></td>
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What DHHL is doing to keep costs down

**Increase Revenue**
- Review rate structure

**Increase system efficiencies**
- Leak detection program
- Review operating budget

Definition of “Break Even”?

Expenses = Revenues
Break Even

Revenue

Expenses

Kawaihae Water System

Revenue $117,155

Expenses $230,669
Next Steps
Next Steps for DHHL

- Review 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
Mahalo!