DWS N. Kona Water System

- Existing use (11.02 mgd, 12 mo. avg. as of 7/14)

- Distribution of high-level vs. basal
## DWS N. Kona Water System

- **CIP Projects**
  - Improved Water Quality
  - Improved Reliability

<table>
<thead>
<tr>
<th>Date(s)</th>
<th>Project</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1997</td>
<td>Haleakil Production Well and Supporting Facilities</td>
<td>$1,088,000</td>
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<tr>
<td>1997</td>
<td>Waiaha Exploratory Well</td>
<td>$1,200,000</td>
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<td>1998</td>
<td>Honokohau Production Well and Supporting Facilities - Phase 3 (trans. well to hwy)</td>
<td>$342,000</td>
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<td>1998</td>
<td>Hualoa 0.5 MG Reservoir</td>
<td>$1,145,000</td>
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<tr>
<td>1999</td>
<td>Honokohau Production Well and Supporting Facilities - Phase 1 (well and res)</td>
<td>$1,994,000</td>
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<td>1999</td>
<td>Honokohau Production Well and Supporting Facilities - Phase 2 (mamalahoa hwy)</td>
<td>$747,000</td>
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<td>2003</td>
<td>Puapua 2.0 MG Reservoir</td>
<td>$4,049,000</td>
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<td>2005</td>
<td>Mamalahoa Highway Improvements - Phase 1</td>
<td>$1,923,000</td>
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<tr>
<td>2006</td>
<td>Waiaha Production Well and 2.0 MG Concrete Reservoir</td>
<td>$4,615,000</td>
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<td>2010</td>
<td>Mamalahoa Highway Improvements - Phase 2</td>
<td>$1,359,000</td>
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<td>2010</td>
<td>Kuakini 16” Transmission Line</td>
<td>$2,751,000</td>
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<td>2012</td>
<td>Keopu Production Well and Supporting Facilities</td>
<td>$5,084,000</td>
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<td>2012</td>
<td>Palani Road Transmission Waterline</td>
<td>$12,000,000</td>
</tr>
</tbody>
</table>

$38,297,000

| 2014    | Palani Ranch Well and Reservoir (par for oversizing reservoir)          | $1,000,000 |
| 2015    | Queen K Hwy Widening, Phase 2                                           | $3,300,000 |
| 2015    | Waiaha Corridor Transmission Line and Reservoirs (Private w/DWS participation) | $3,000,000 |

2006 Queen Liiuokalani Trust - Keauhoulu Well, Reservoir, Trans. w/L To Hwy. private
Authorized Planned Water Use

- Water commitments: 1.14 mgd
- Developer agreements: 1.21 mgd
- Vacant service laterals: 1.10 mgd
- Building permits: 0.09 mgd
- Other private wells: 1.99 mgd

Total: 5.53 mgd
Hawaii County Water Use & Development Plan

Background

• Updated original WUDP prepared in 1990
• Initiated in 2004
• Final Draft Plan 2010
• Adopted by County Ordinance – February 2011
• Accepted by CWRM – November 2011
DWS Responsibilities

- DWS Rules and Regulations & Standards
- County Charter and Code
- State of Hawaii
- Federal
Looking Ahead

• WUDP Update
• High Level Source Study
• Recognize that this is a sensitive area
• Continued participation with community/professional groups and conferences
• Conservation Program Enhancements
In Summary

• Designation not required at this time
  – Existing & future water needs & sustainable yield
  – Protective mechanisms currently in place
  – Ongoing efforts and future plans by the DWS
  – The County, State and community are working together to be good stewards of our public trust resources.
“For the benefit of present and future generations, the county shall conserve and protect Hawai‘i’s natural beauty and all natural and cultural resources, including but not limited to land, water, air, minerals, energy sources, wahi pana, surf spots, historic sites, and historic structures, and shall promote the development and utilization of these resources in a manner consistent with their conservation and in furtherance of the self-sufficiency of the county. All public natural and cultural resources are held in trust by the county for the benefit of the people.”
Water, Our Most Precious Resource
Ka Wai A Kāne