

# Planning for our Water Future

Water Systems Investment Plan | September 23, 2025



# Agenda

- 5:10 **Welcome and Introductions** – Joe Tait, KDOW
- 5:15 **Water Systems Overview** – Jason Kagimoto, KDOW
- 5:25 **Need for Investment** – Michelle Sorensen, BC
- 5:35 **Local View** – KDOW
- 5:45 **Q&A**
- 6:00 **Open Topic Discussions**
- 7:00 **Pau**



Explore **PAST**  
improvements



**LOCAL**  
snapshot



Provide your  
**INPUT**

An aerial photograph of a tropical coastline. In the foreground, there's a clear, turquoise beach area with some small structures. The water transitions from light blue near the shore to a deep, dark blue further out. The background is dominated by steep, green mountains with some rocky outcrops, partially shrouded in mist or low clouds.

# Water Systems Overview

# Kaua'i Department of Water (DOW)

KDOW's mission is to provide safe, affordable, sufficient drinking water through wise management of resources and excellent customer service for the people of Kaua'i.



# KDOW operates & maintains 9 water systems across the island

**88,000** customers

**24,000** service connections

**425** miles waterlines

**50** wells

**60** tanks

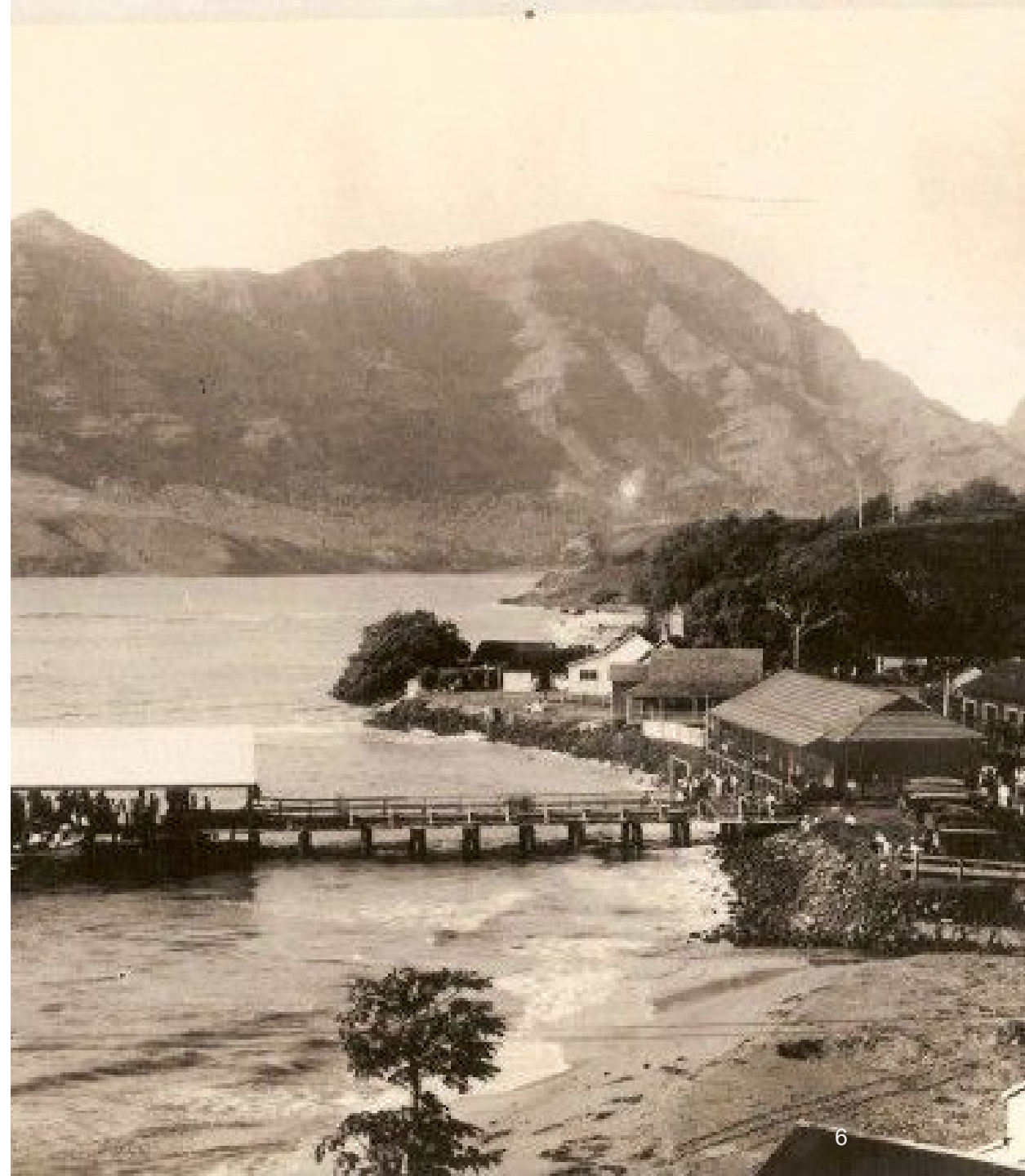
**3,000** hydrants



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The original water systems we use today were built more than **100 years ago** in the 1920s

Significant population growth of 60% between 1960-1992 required large investment in the water systems

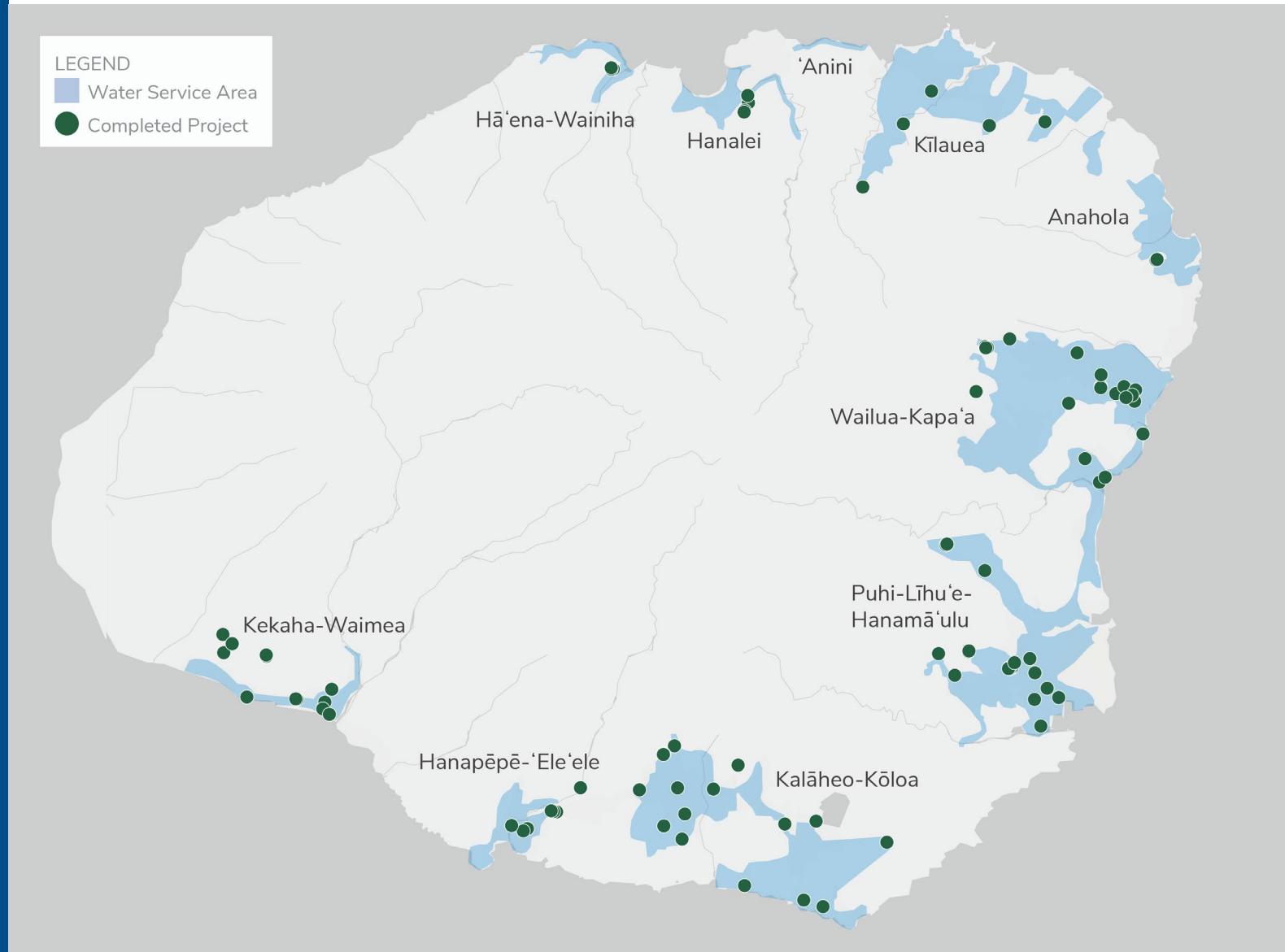


# 20 Years of Improvements

Water Infrastructure projects completed from 2001 - 2020

**89** projects completed

**35** miles of pipeline replaced



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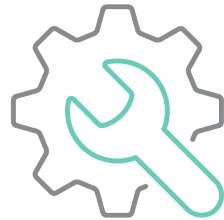
# Need for Investment

# Our water systems must continue evolving to meet needs of our community and environment

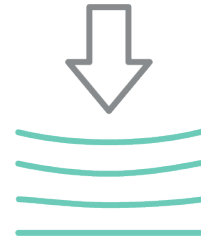
## DRIVERS FOR IMPROVEMENT



Ensure clean, safe, high-quality water and regulatory compliance



Upgrade old and aging infrastructure



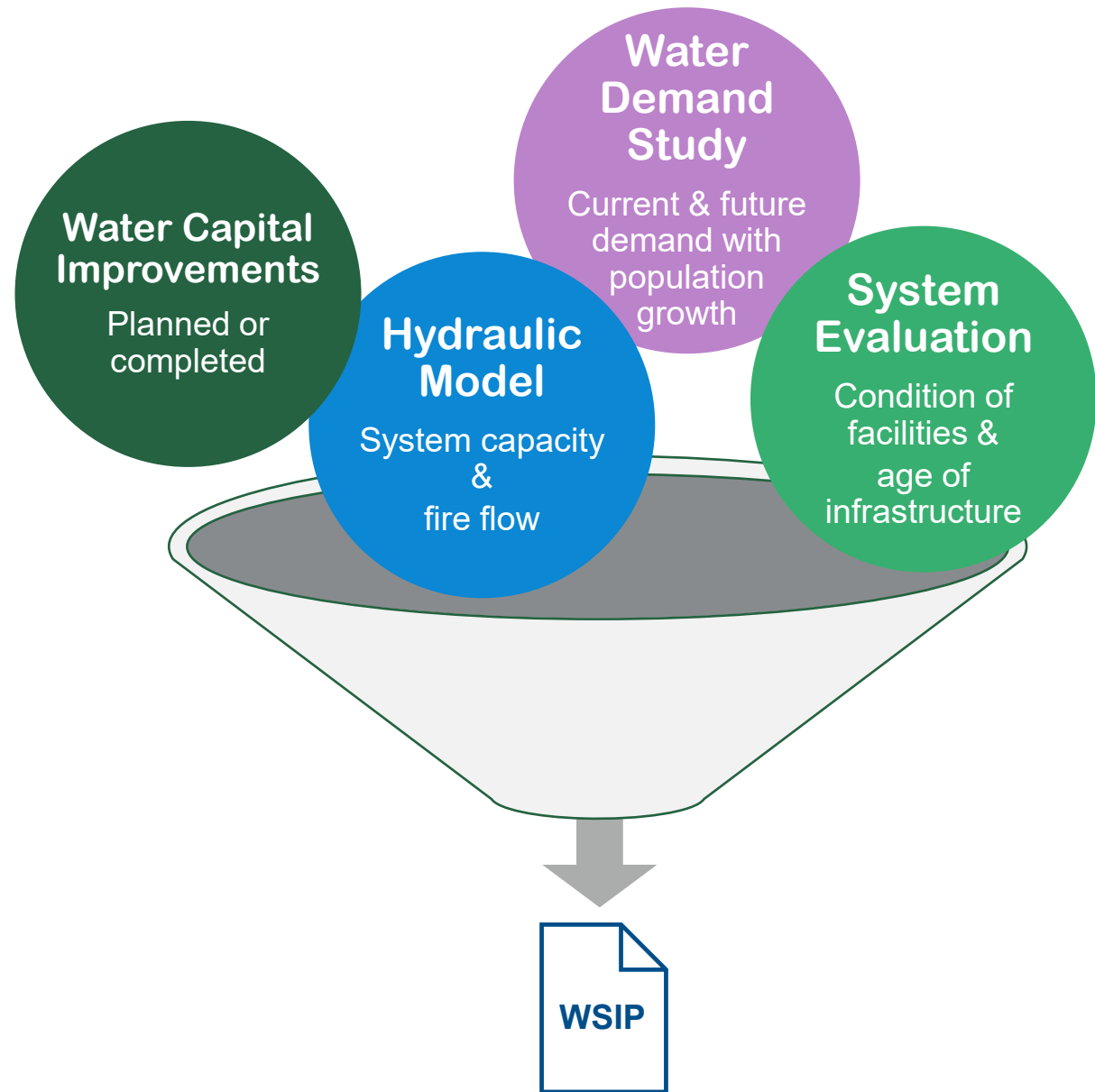
Develop resilient systems to withstand disasters and climate change



Support our growing and thriving community

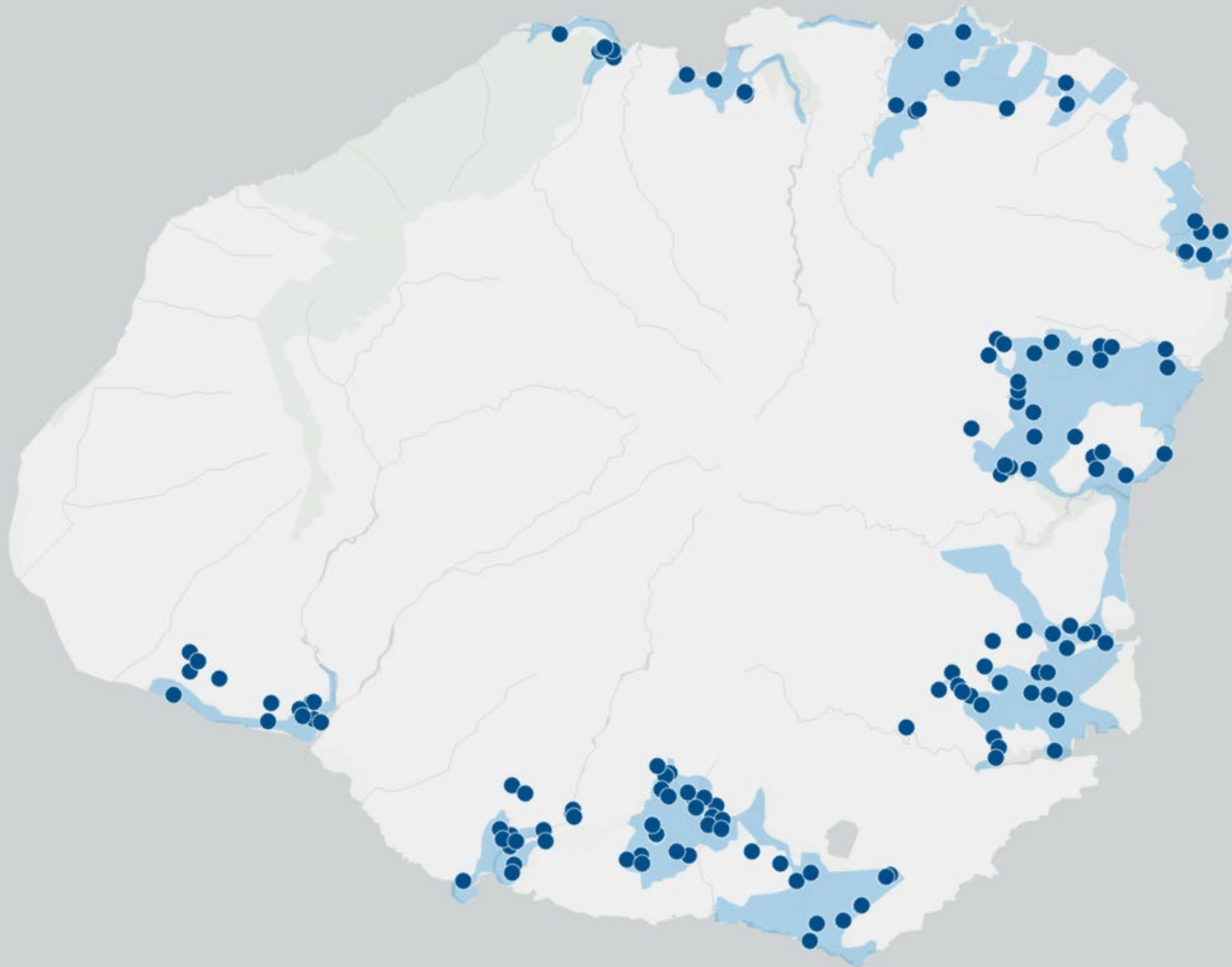
# Planning For the Future

DOW invested in a 3-year effort to comprehensively assess the current state of our water system



# Water Systems Investment Plan

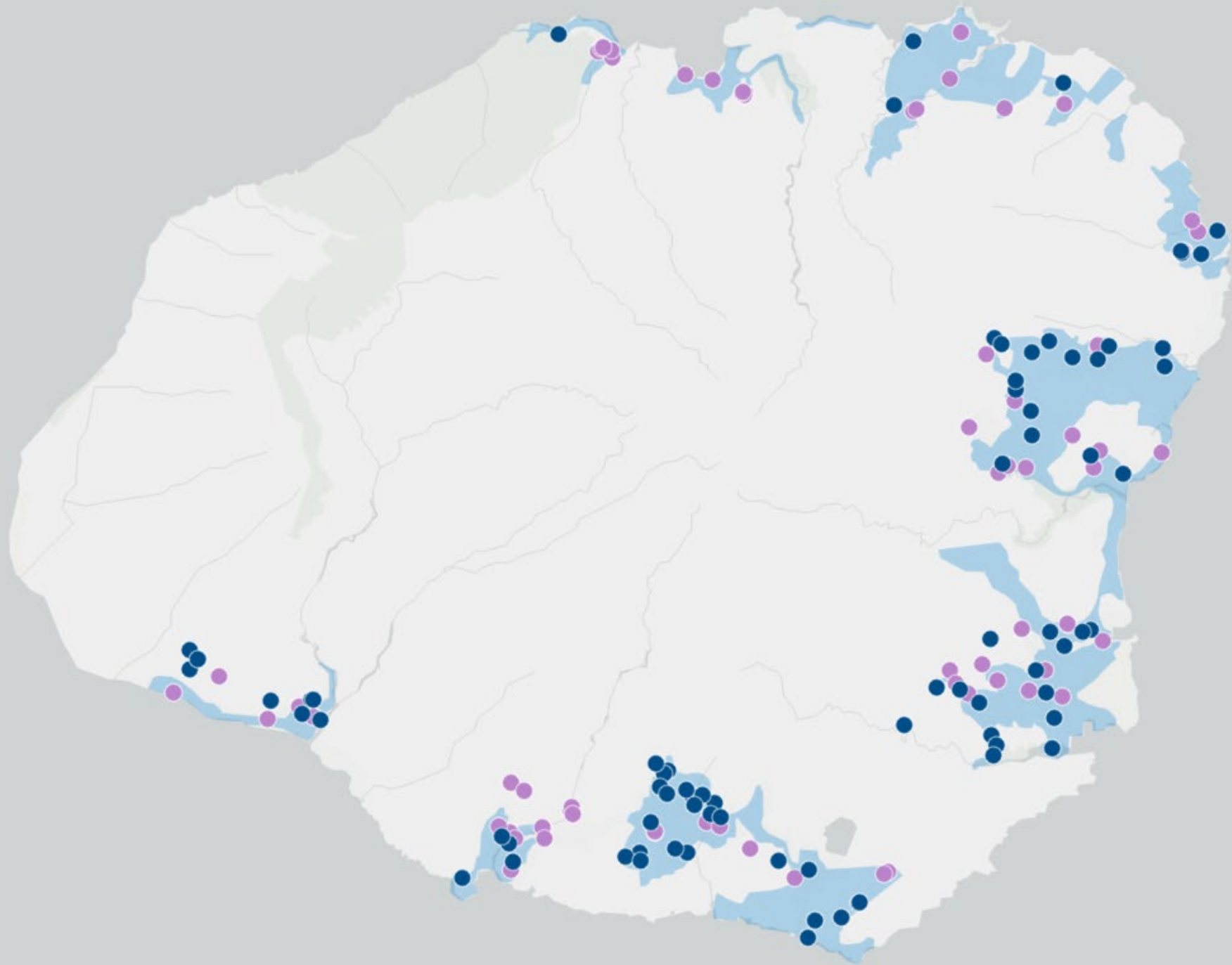
Findings identified  
more than **150**  
projects estimated to  
cost **\$1.3 billion**



# Water Systems Investment Plan

Findings identified more than **150** projects estimated to cost **\$1.3 billion**

70 projects are prioritized for the next **20 years** estimated to cost **\$680 million**



An aerial photograph of a tropical coastline. In the foreground, there's a vibrant turquoise reef flat meeting a dark blue ocean. A narrow strip of white sand beach separates the reef from a lush green, hilly coastline. In the background, a massive, jagged mountain range rises steeply, its peaks partially shrouded in white clouds. The overall scene is one of natural beauty and rugged terrain.

# Local View

## Kōloa & Po'ipū

# Kōloa & Po'ipū Overview

Approximately 12% of the island wide system

Parts of the system were constructed more than 60 years ago and will be more than 80 years old by the end of the planning period



# Kōloa & Po'ipū Completed Projects

Water Plan 2020

*Water infrastructure  
projects completed  
from 2001 - 2025*



# Kōloa & Po'ipū Needs

Water Systems  
Investment Plan



# Kōloa & Po'ipū Needs

Water Systems  
Investment Plan



An aerial photograph of a tropical coastline. The top half shows steep, green mountains with some clouds at their peaks. The bottom half shows a coastline with turquoise water, a rocky shore, and lush green vegetation. A semi-transparent white box is overlaid on the middle of the image, containing the title and subtitle.

# Local View

Kalāheo, Lāwaʻi, ʻŌmaʻo

# Kalāheo, Lāwaʻi, ʻŌmaʻo Overview

Approximately 12% of the island wide system

Parts of the system were constructed more than 90 years ago and will be more than 110 years old by the end of the planning period



# Kalāheo, Lāwaʻi, & ʻŌmaʻo Completed Projects

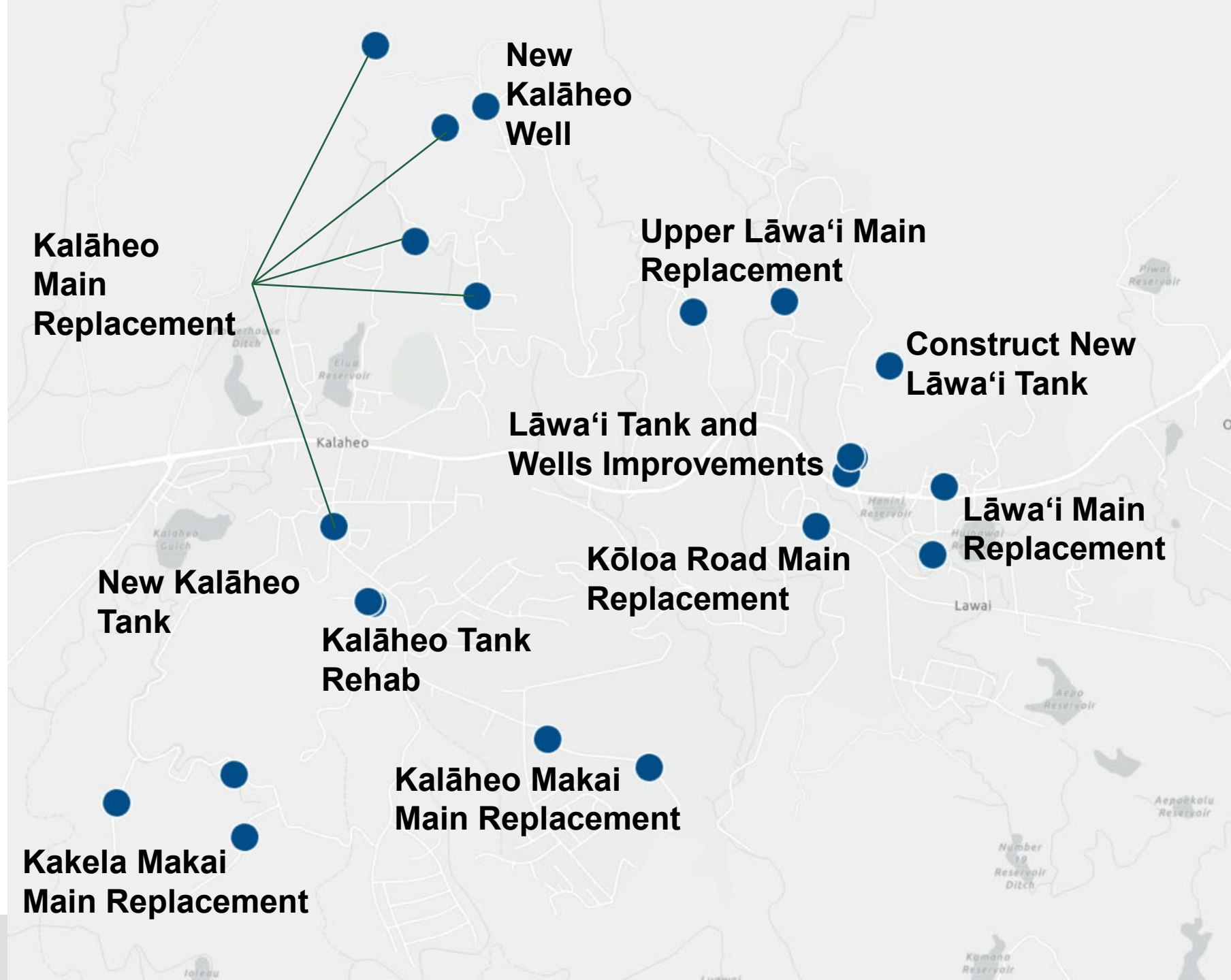
## Water Plan 2020

*Water infrastructure  
projects completed  
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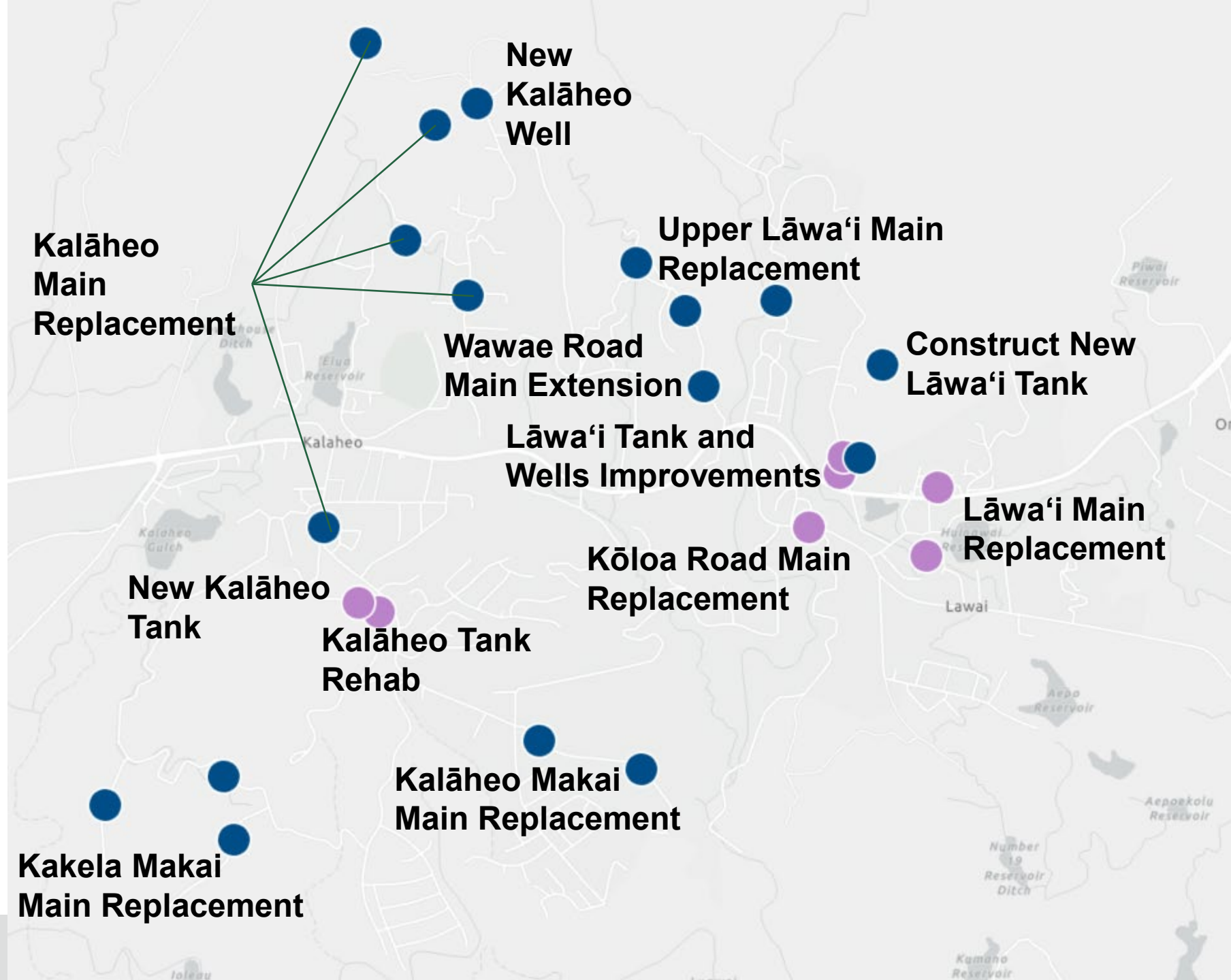
# Kalāheo, Lāwaʻi, ʻŌmaʻo Needs

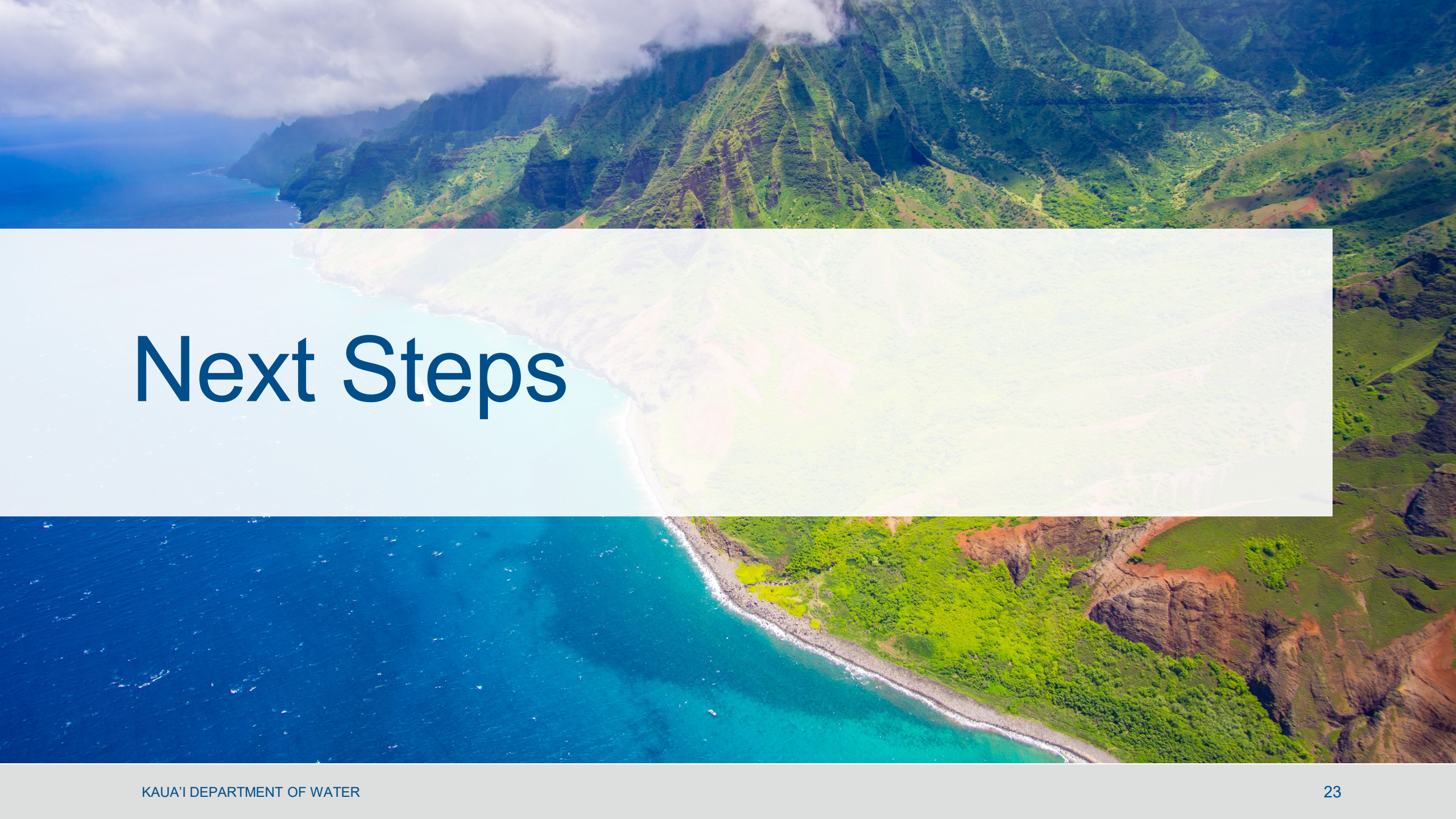
Water Systems  
Investment Plan



# Kalāheo, Lāwaʻi, ʻŌmaʻo Needs

Water Systems  
Investment Plan



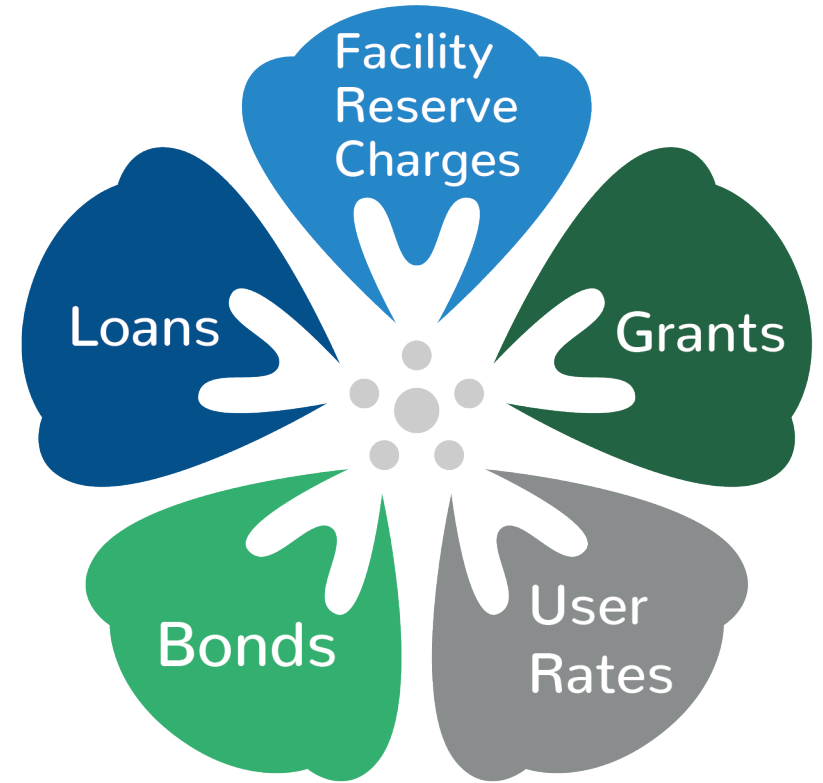
An aerial photograph of a tropical coastline. In the foreground, there's a deep blue ocean with some white surf. A narrow strip of land with green vegetation and a rocky shore separates the ocean from a large, white, semi-transparent rectangular box. Behind the box, the landscape rises into steep, green mountains with some brownish-red soil visible on the slopes. The sky is filled with white clouds.

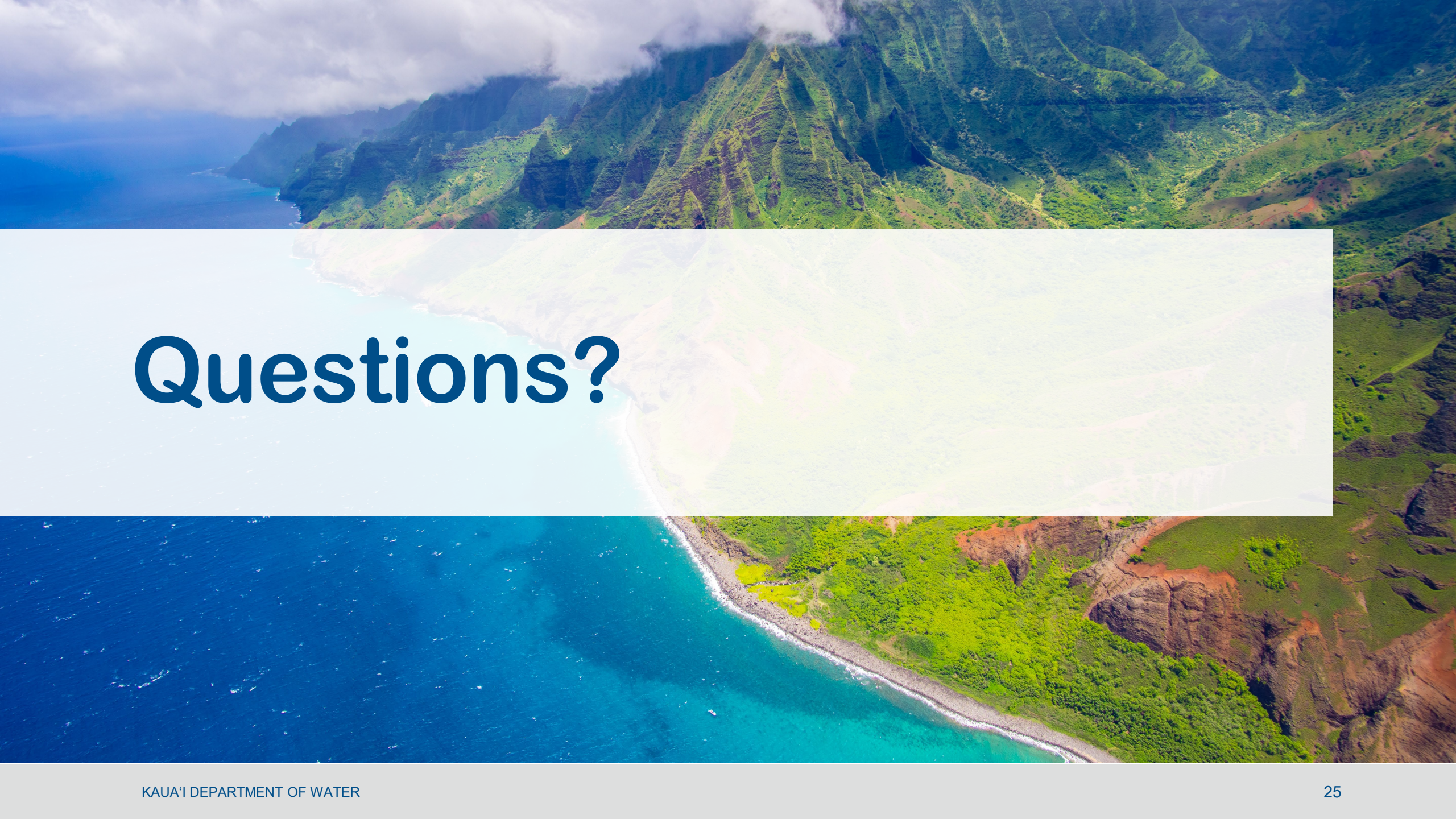
# Next Steps

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# Next Steps

1. Prioritize projects
2. Identify funding options for critical projects
3. Complete the Rate Study and develop Financial Plan
4. Financial Plan & Rate updates
  - Public Meetings: Spring - Summer 2026



An aerial photograph of a tropical coastline. In the foreground, there's a deep blue ocean with some white surf near a rocky shore. The middle ground shows a steep, green mountain slope with some exposed brown earth. The background features more rugged, green mountains under a cloudy sky. A semi-transparent white box is overlaid on the middle of the image, containing the word "Questions?".

# Questions?

# Open Topic Discussions

Visit the poster stations to learn more and share your input!

**KDOW** – Get to know your water system

**PAST** – Past improvements to your community

**CURRENT** – Example priority water system improvement need

**FUTURE** – How can we create a sustainable water future for Kauaʻi?

# Thank you!

SCAN FOR MORE  
INFORMATION



**SHARE YOUR INPUT**

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