



Water Master Plan Quarterly Update



Safe, dependable, and affordable water now and into the future

Board of Water Supply
City and County of Honolulu

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The Draft Water Master Plan is Complete

The Honolulu Board of Water Supply (BWS) has completed the Draft Water Master Plan (WMP), achieving one of the most important milestones in securing O’ahu’s water future. The WMP is a comprehensive program that looks ahead 30 years, evaluates the entire water system, identifies necessary improvements, and balances needs with costs.

Getting Into the WMP

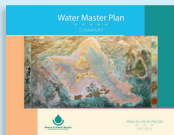
An electronic version of the Draft WMP is available on the BWS website. Hard copies can be found in our headquarters lobby and in libraries throughout O’ahu. Take a look at any (or all) of these WMP documents!

DRAFT WATER MASTER PLAN



The full technical document, presenting the purpose, process, outcomes, and recommendations of multiple studies, assessments, and research.

DRAFT WATER MASTER PLAN SUMMARY



A summary document including background of the BWS, setting and

need for the WMP, and overview of findings and recommendations.

10 THINGS YOU’LL WANT TO KNOW ABOUT THE WATER MASTER PLAN



A quick-read overview highlighting the need, process, and outcomes of the WMP.



Found on the covers of the Water Master Plan and Summary, this mural is just inside the entrance to our Engineering building.

The WMP includes a “Scorecard” to monitor the health of the water system and an adaptive management strategy to address a range of challenges, from aging infrastructure to water supply sustainability to climate change.

The WMP provides a roadmap for the BWS to:

- ▶ Increase water supplies for our growing population, businesses, and visitors.
- ▶ More proactively care for our water infrastructure and reduce costly emergency repairs.
- ▶ Prioritize investment of limited resources in infrastructure, based on benefits and risks.
- ▶ Spread investments and water rate changes over time.
- ▶ Improve design, construction, and maintenance practices so that infrastructure lasts longer.

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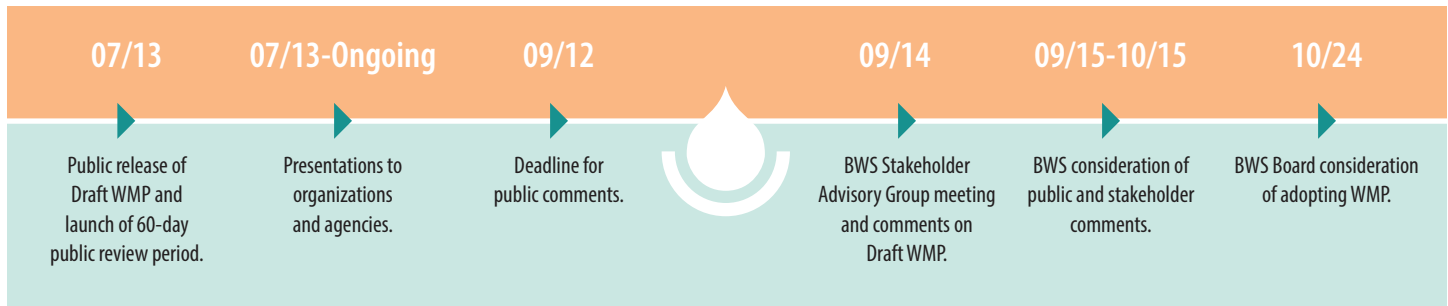
Hearing the Public’s Voice

The BWS is welcoming public comment on the Draft WMP during a 60-day review period. All comments must be submitted in writing to assure the thoughts and perspectives of each commenter are accurately captured. Individuals can:

- ▶ Email comments to: BWSWaterMasterPlan@hbws.org
- ▶ Send by mail: 630 S. Beretania St., Honolulu, HI 96843, Attn: Water Master Plan
- ▶ For general questions and to request more information, call: 808-748-5347

Comments will be considered and addressed in a companion report, which will be prepared after the close of the public comment period.

Timeline for Draft Water Master Plan Review



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The WMP includes many recommendations that, as we implement them in the years ahead, will enable us to sustain our legacy of providing safe, dependable, and affordable water for our customers. An overview of those recommendations includes:

- ▶ Efficiently increase the capacity of our infrastructure, so as the population shifts and grows as outlined in the City's General Plan, our system will be the right size at the right time to continue to deliver water dependably throughout O'ahu.
- ▶ Address our maintenance needs system-wide.
- ▶ Prioritize renewal and replacement projects based on risk, to minimize water main breaks and maximize the life of the system we already have.
- ▶ Add to and diversify our sources to provide more recycled water and even desalinated water. We diversify to address drought.
- ▶ Introduce advanced conservation measures in areas of growth to promote sustainability, especially where demand is increasing.

More specific findings and recommendations are detailed in both the full Draft WMP and its Summary document. Take some time to look them over!

Coming Next: A 30-Year Capital Improvement Program

The WMP will be followed by a 30-Year Capital Improvement Program (CIP). The BWS routinely prepares 1-Year and 6-Year CIPs to budget and schedule our near-term infrastructure projects. The 30-Year CIP will allow us to look farther into the future, to help ensure that we can fund and prepare for projects that can take as much as a decade to implement.

The long-range CIP will help us efficiently expand the BWS's existing water system, which is among the largest in the US. You may be surprised to learn that our water infrastructure has a value of more than \$15 billion. That is what we would spend in 2016 dollars if we had to completely rebuild the entire system today. Investments in maintaining and upgrading the existing water system help to retain that value.

The long-range CIP will also help us decide which projects get built first. One of the most important elements of developing the WMP was assessing the condition of our pipelines and the entire water infrastructure. Each pipeline was given a "risk score" that indicates the likelihood of failing along with the consequences of

possible failure. This is a visionary way of preparing for our water future. By knowing the risks, we are now able to prioritize which parts of our system to renew and/or replace first. The benefit is that the 30-Year CIP will prioritize projects to provide for the greatest system reliability at the most affordable cost.

Getting the Word Out

The BWS is committed to full transparency surrounding this important plan, and we are making significant efforts to inform and listen to our many communities. A news release was issued to notify local media about the Draft WMP's release, where to find it online, where to find information, how to schedule public presentations, and the process for submitting public comments. You may have seen the coverage by KHON. Concurrently, copies of the Draft WMP and supporting informational materials were provided to City and County elected officials and staff.

Since it was released, all Neighborhood Boards have learned about the Draft WMP through our BWS representatives.

A team of BWS employees is giving more detailed presentations about the Draft WMP to community organizations in all parts of the island, and encouraging people to read the plan and give us their comments.

The BWS Stakeholder Advisory Group is helping to spread the word by scheduling presentations for their constituencies and organizations.

You can help spread the word by sharing information about the plan with your family, friends, and groups you belong to. Copies of the *10 Things You'll Want to Know About the Board of Water Supply Water Master Plan* overview are available from the Communications Office. Encourage groups that you participate in to schedule a 10-minute presentation. Simply contact the Communications Office at 808-748-5347 or at BWSWaterMasterPlan@hbws.org to make arrangements.



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