

Water Supply Investing Over \$28 Million in Hawaii Island Capital Improvement Projects

Department of Water Supply capital improvement projects in Kona, Honoka'a, and Hilo are scheduled to begin within the next three months. One project is a "shovel ready" stimulus project already out to bid, and scheduled for opening this month.

Hilo, Hawaii (DWS) May 15, 2009 -- Over \$28 million will be pumped into the local economy from the Department of Water Supply as 3 long awaited improvement projects near the final stages of procurement. The lion's share of the total amount--an estimated \$15.7 million--is for the Palani Road Transmission Waterline scheduled to begin in late August. Also scheduled for an August start date, the Pi'ihonua Reservoir No.2 Replacement Project is estimated at \$7 million. Scheduled to begin next month, the Āhualoa Production Well and Reservoir Project is estimated at \$5.7 million and will be mostly funded through federal stimulus monies.

These projects are high on the Capital Improvement priority list in the Department's 20 year Water Master Plan. The \$15 million Palani Road Transmission Waterline will improve water quality for Kailua Kona as well as increase water availability in areas where demand is on the rise. The \$5.7 million Āhualoa Production Well and Reservoir Project is eligible for stimulus funds through the State Revolving Fund Program because it will improve water quality and increase system reliability. This project will also support greater water availability once an additional transmission pipeline project is installed at a future phase. The \$7 million Pi'ihonua Reservoir replacement will enhance public health and safety by improving water system reliability for the general Hilo area, and, more specifically, the Hilo Medical Center.

"The Department of Water Supply is proud to be able to do our part to help boost our local economy with federal stimulus monies in addition to Department funds. These water supply projects couldn't be timed better for these difficult economic times," said Milton Pavao, Manager of the Department. "In addition to our system improvements, we know the monies are well spent. These funds will be beneficial for our customers, the contractors, their workers and families. Monies spent for construction and materials trickles very quickly into the local economy. It is a true win-win situation."

For specifics on each project, visit www.hawaiidws.org, and find the link on the front page.

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May 15, 2009

PALANI ROAD TRANSMISSION WATERLINE CAPITAL IMPROVEMENT PROJECT Information Sheet

Overview

In accordance with the Department of Water Supply (DWS) 20-Year Water Master Plan, this 15.7 million dollar capital improvement project is on schedule, thus, this new main transmission waterline will be activated in the year 2011. Although on average, growth in North Kona is only slightly higher than the rest of the island, several large developments are planned within this water system in the next 20 years, which will cause substantially higher residential growth in some areas. This project is needed to serve anticipated growth within the North Kona Water System. Rapid growth and development require careful planning to ensure that water demands, water quality, operational requirements, and ongoing maintenance needs can all be met.

Facility Information

The North Kona District has the highest metered water consumption of any DWS water system, and ranks second in the number of connections and volume of water production. A number of existing and future wells mauka of the Māmalahoa Highway will provide the source water for this transmission line. The transmission main will consist of a 24-inch pipeline coming down from Māmalahoa Highway and then branching at Tomi Tomi Drive into a 20-inch pipeline and a 16-inch pipeline. The 20-inch pipeline will head north on Tomi Tomi Drive and will connect to the nearby 1.0 MG Palani No. 3 Reservoir at the 935 ft. elevation, tying into the existing water system in that area along Palani Road. The 16-inch pipeline will head south on Tomi Tomi Drive and feed into a new 2.0 MG Reservoir, which will also be at the 935' elevation, located on Queen Lili'uokalani Trust land. From there, another 20-inch pipeline will continue makai, skirting the upper boundary of the Queen Lili'uokalani Village Subdivision, and terminate at a new 1.0 MG reservoir to be located next to the existing Palani No. 2 Reservoir, which will feed into the lower Palani Road area water system.

Who Benefits

The North Kona Water System serves an area roughly contained between Māmalahoa Highway and Queen Ka'ahumanu Highway from Keāhole Airport to the intersection of Māmalahoa and Kuakini Highways. Water supply customers of this area will benefit from this project in two ways: 1.) the additional transmission and storage capacity will help the local economy by ensuring that potable water demands will be met, and, 2.) the water quality issues (chloride levels) that stem from overuse of Kahalu'u shaft water supply will be diminished.

Project Status

At this time, the DWS is in the final stages of procurement. The Invitation to Bid is scheduled to be advertised in June 2009, with a possible award to the winning bidder in August of 2009. Construction is planned for a duration of approximately 24 months.

Contact:

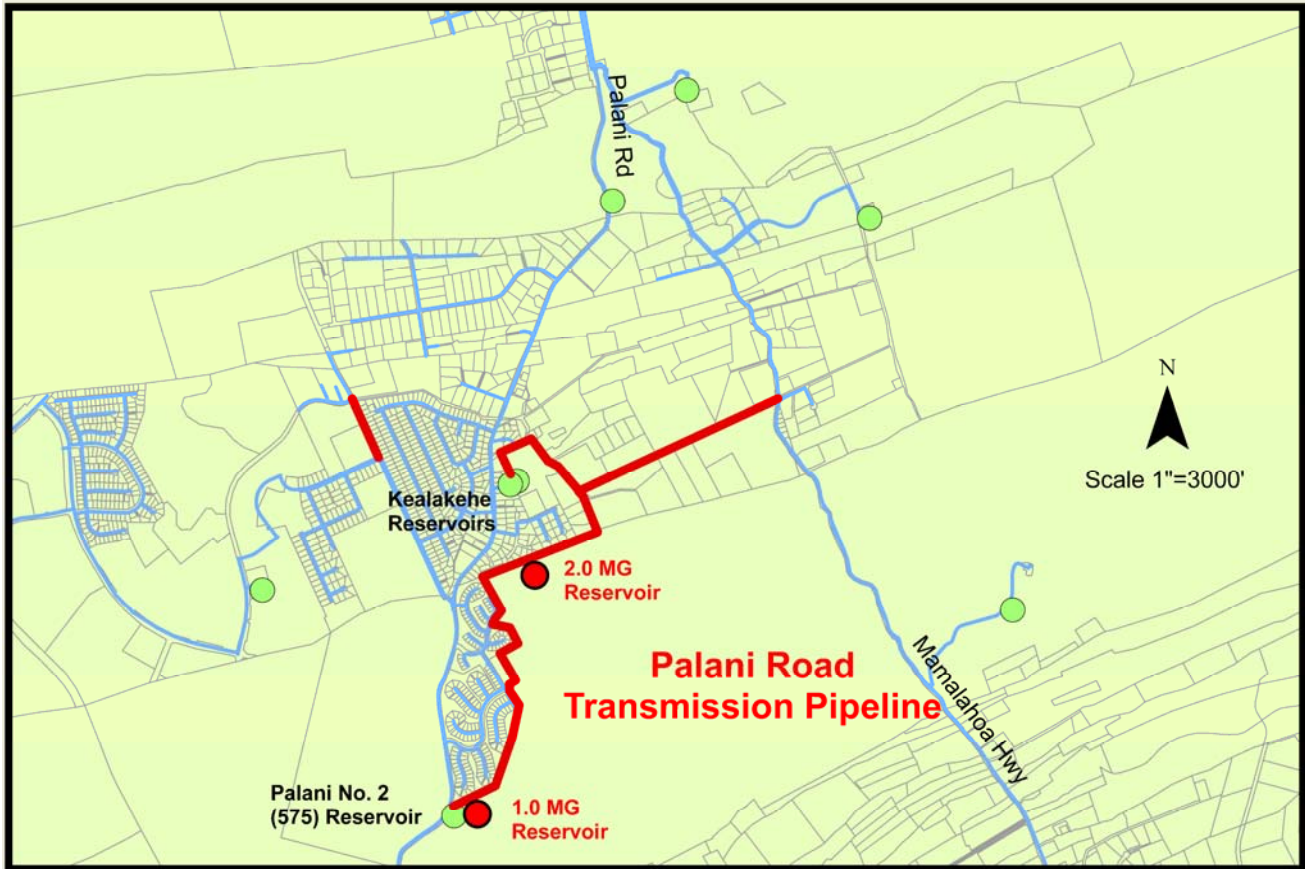
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**PI'IHŌNUA RESERVOIR NUMBER 2
CAPITAL IMPROVEMENT PROJECT
Information Sheet**

Overview

Careful potable water planning ensures water demand, water quality, operational requirements, and ongoing maintenance needs can all be met for our Hawaii Island communities. In accordance with the Department of Water Supply (DWS) 20-Year Water Master Plan, the estimated 7 million dollar Pi'ihōnua Reservoir 2 Capital Improvement Project was prioritized for construction in the calendar year 2009. This project proceeds on schedule with a bid opening scheduled next month.

Facility Information

This project generally consists of the replacement of the existing Pi'ihōnua Reservoir No. 2 facility. The work includes a 2.0 MG pre-stressed concrete tank, a control building, a booster pump station, a reservoir influent control station, pressure reducing valve station, facility piping and connecting pipelines, drainage structures, electrical work, instrumentation, approximately 1,700 linear feet of 8-inch waterline with attendant service re-connections and fire hydrant assemblies, asphaltic concrete paving and repaving work, site perimeter fencing, demolition of the existing reservoir site, and landscaping.

Who Benefits

The project will enhance public health and safety by improving water service to the Hilo area, more specifically, the Hilo Community Hospital. Replacement of an aged reservoir with a new reservoir is necessary because the existing reservoir has reached the end of its service life, is undersized for current needs, and has required expensive maintenance. The new reservoir will be approximately twice the size of the existing reservoir and will thus be able to meet future demand whilst maintaining fire protection requirements for its water service area. This project is anticipated to create approximately 50 construction-related jobs.

Project Status

At this time, the DWS is in the final stages of procurement with bid opening scheduled for June 18, 2009. The anticipated construction Notice to Proceed is scheduled for August 2009. The construction duration is 480 calendar days, with anticipated completion around January 2011.

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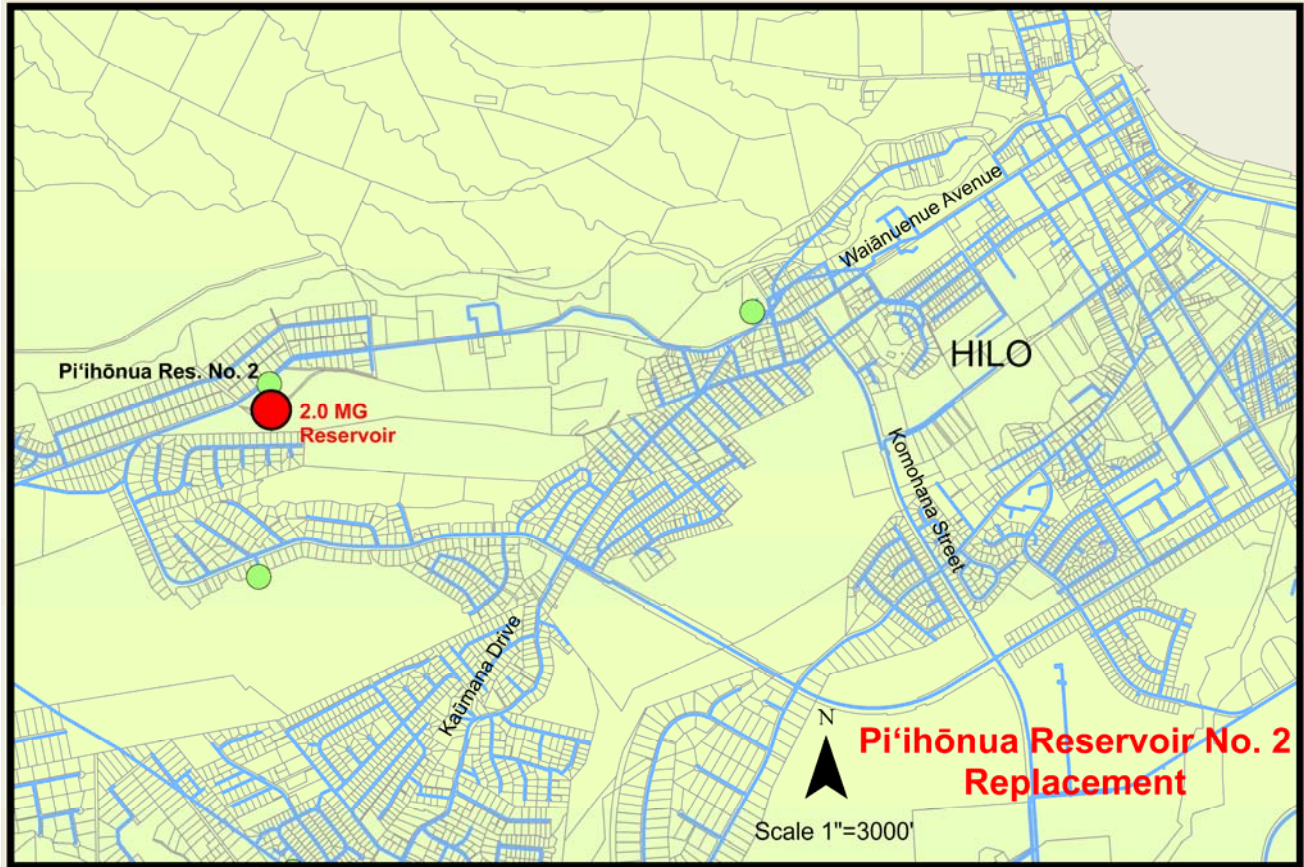
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**ĀHUALOA PRODUCTION WELL AND RESERVOIR
CAPITAL IMPROVEMENT PROJECT
Information Sheet**

Overview

Careful potable water planning ensures water demand, water quality, operational requirements, and ongoing maintenance needs can all be met for our Hawaii Island communities. In accordance with the Department of Water Supply (DWS) 20-Year Water Master Plan, the estimated 5.5 million dollar Āhualoa Production Well and Reservoir Capital Improvement Project was prioritized for construction in the calendar year 2009. In addition, the recently enacted law--American Recovery and Reinvestment Act (ARRA)--currently supplies federal economic stimulus funds for “shovel-ready” capital improvement projects. Because of careful planning and excellent timing in regard to the ARRA enactment, this project will be mostly funded through federal stimulus funds.

Facility Information

This project will involve the outfitting of a production well, construction of a 1.0 MG concrete reservoir, control building, and supporting facilities. The Āhualoa well will replace a significant portion of the Department's existing South Kohala Water System, serving the Āhualoa, Pōhākea, Kalopā, and Pa'auilo mauka areas.

Who Benefits

The most spread out water system of all, the South Kohala Water System serves an area roughly contained between Pu'ukapu at the border of the South Kohala District to the west, to a normally closed connection with the Pa'auilo Water System to the East. For water supply customers, this project increases water service reliability, improves the South Kohala Water System by reducing demand from the Waimea Water Treatment Plant, and improves water quality.

Project Status

At this time, the DWS is in the final stages of procurement with bid opening scheduled for May 21, 2009. Construction is planned for approximately 24 months.

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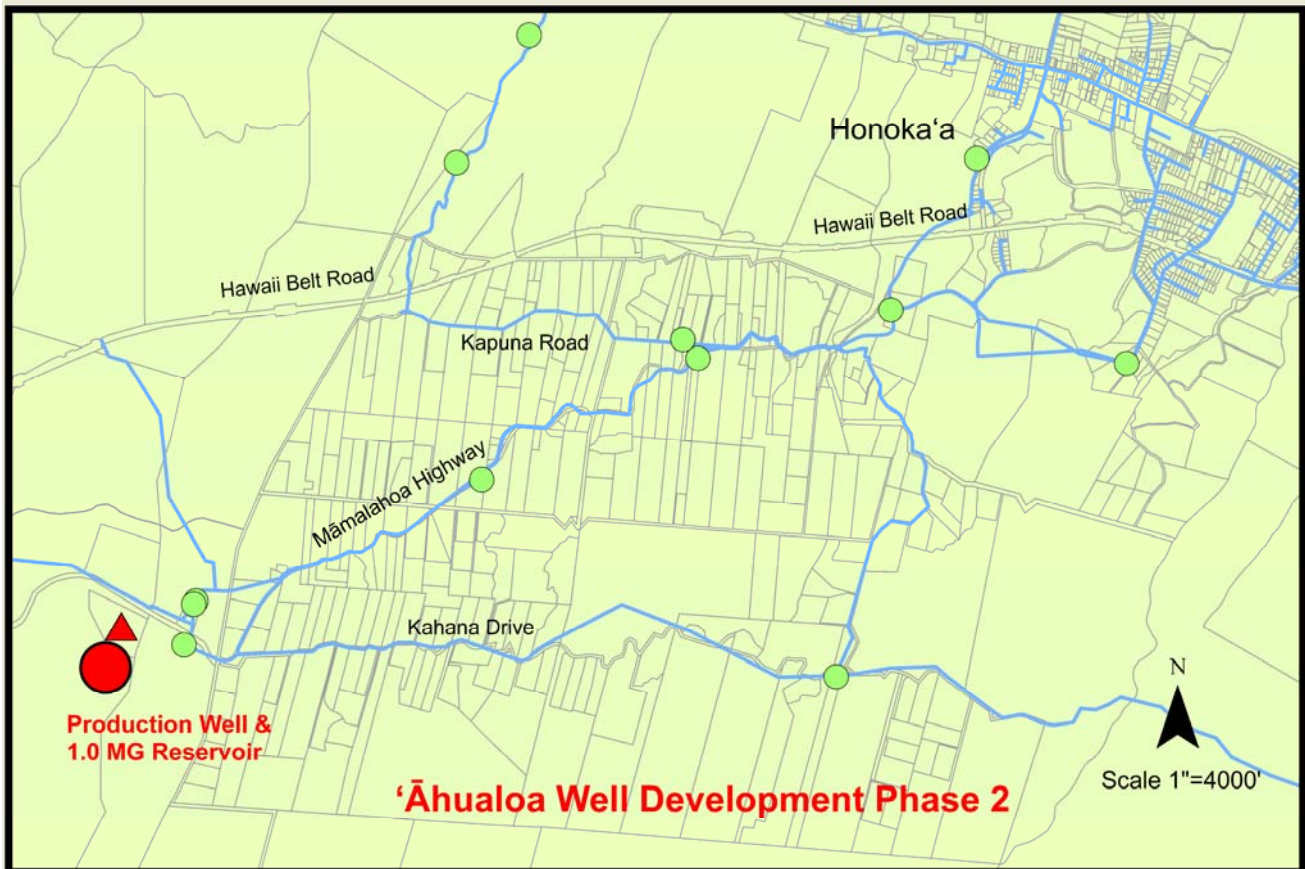
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