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Rural Community Assistance Corporation (RCAC)



MIWOA Workshop February 2, 2022

Barry Pollock, Rural Development Specialist-Engineer Susan Jamerson, Rural Development Specialist

Puna (Kilauea)Eruption – May – Aug 2018 A short Hawaiian talk story by Barry Pollock and Susan Jamerson, RCAC

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Susan's House - Papaya Farms Road



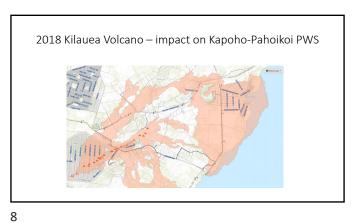
- The 2018 lower Puna eruption was a volcanic event on the island of Hawai'î, ("Big Island") on Klauea volcano's East Rift Zone that began on May 3, 2018. It is related to the larger eruption of Klauea that began on January 3, 1983, though some volcanologists and USGS scientists have discussed whether to classify it as a new eruption. Evolutreaks of lava fountains up to 300 feet (90 m) high, lava flows, and volcanic gas in the Lellani Estates subdivision were preceded by earthquakes and ground deformation that created cracks in the roads.
- On May 4, a 6.9 magnitude earthquake hit Puna. By May 27, 2018, 24 fissures had erupted law in and near the Leilani Estates and Lanipuna Gardens subdivisions. LIBLE The eruption forcet the evacuation of approximately two thousand residents. The Puna Geothermal Venture, which provided one-quarter of the island's electricity, was forced to shut down and was later damaged by law. The fissures had sent law rivers that buried part of Hawaiii Route 137 on May 19, and began flowing into the ocean. LIBLE The control of the control of

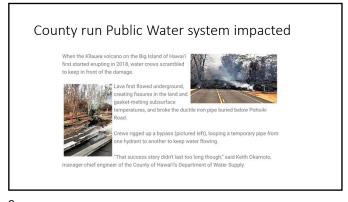
- By August 7, 13.7 square miles (35 km²) of land had been covered by lava flows. About 875 acres (3.54 km²) of new land has been created in the ocean. "Just" The official number of houses destroyed by the eruption reached 700 on July 9.111 two sestimated that recovery efforts would cost more than \$500 million (2018 USD).1112 by early August the eruption had almost completely subsided, and on December 5, it was declared to have ended after three months of

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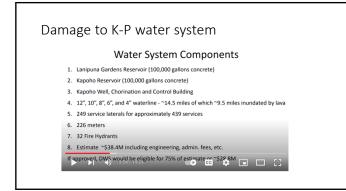






Extensive damage to water system

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Now the utility is sorting through what makes sense to repair and rebuild and what should be left to Mother Nature. The utility will receive \$30 million in Federal Emergency Management Agency (FEMA) funds to support water infrastructure improvements and is working with the community to prioritize projects, which will go before FEMA for approval this spring.

It's a big, fuzzy crystal ball, as Okamoto said, because the department does not know how many residents will return to the area most impacted by the eruption. Many may participate in the county's voluntary housing buyout program, an effort to relocate people away from high-risk lava zones. If that happens, the water department will have to balance the expense and potential water quality issues with the need to rebuild water infrastructure in an area with a smaller population than before.

"What makes the most sense when reinvesting in infrastructure in an area that people may not return to?" he said.

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