

## AbsoluteClimo Helping Neighbors, Community and the World Early December 2021 Hawai'i Flood Emergency Correctly Predicted Long Lead Accurate Climate Forecast: 5% Rare Kona Low

**H**onolulu (15 December 2021) - AbsoluteClimo's wholly independent global climate physics model GOTCHA™ correctly predicted with confidence a year ahead the December 2021 Hawai'i precipitation anomaly which first showed up in the noise of weather as a potent Kona low pressure system last week. Last week's climate-driven extreme Kona low had about a 5% probability of occurring in the statistical "tail" aka a rare event, resulting in severe widespread impacts to life and society across most of Hawai'i.

A week before the Kona low formed and the heavens opened with torrential rain first on the big island of Hawai'i and Maui December 5th, with the help of GOTCHA's long lead confident forecast of a rare (tail risk) event, AbsoluteClimo's Co-Founder CEO and Climatologist Brendan Lane Larson first publicly called for the risk of an emergency to life, property, and Hawaiian Electric (HECO) infrastructure which turned out to be accurate.

On December 6th 2021 Hawai'i Governor David Ige declared an emergency for the state of Hawai'i and thousands of HECO customers lost power including Maui's overseas Kahului Airport for about two hours and downtown Honolulu's business district for several days.

### ► A "shock" for multitudes

Unfortunately multitudes of people in Hawai'i were still caught by surprise, including residents, visiting tourists and government officials. In her December 11th 2021 newsletter, Hawai'i State Senator Sharon Moriwaki, who represents the Ala Wai and Waikiki communities on O'ahu wrote, "*What a shock it was with the sudden damaging downpour!*"

### AbsoluteClimo: Helping Our Neighbors, Community and the World

Honolulu is world headquarters to AbsoluteClimo LLC, a kama'āina company founded in 2016 with climate and finance R&D started ten years ago with some visionary inspiration provided by our friends at the University of Hawai'i at Mānoa Shidler College of Business Department of Finance and International Pacific Research Center SOEST.

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Is the state of Hawaii and its emergency management people, including Hawaii Electric Company (HECO), prepared and ready to go for the approaching December 2021 flood risk?

AbsoluteClimo's mission is bettering life on Earth (☉) by helping people impacted by climate variability and change, including here in our headquarters backyard. We have been happy to help our neighbors and community with our world leading technology used to also help our clients worldwide such as the climate finance risk transfer (insurance) and energy industries.

▶ **Heaven Sent Lifesavers**

*"Brendan Larson and his extremely knowledgeable team at AbsoluteClimo have come through for me year after year, storm after storm, especially their predictions prior to hurricane season. They have been spot on in their predictions of storm severity and hurricane activity. As both a homeowner and business owner I have more than enough concern for catastrophic damage. I have always consulted with Brendan with each weather related concern. Reflecting back on this most previous Kona Low and the deluge of rain that hit Oahu on Monday evening were it not for Brendan's forewarning I wouldn't have had enough time to check the strappings on my roof to ensure their integrity especially around all of my photovoltaic panels. AbsoluteClimo are truly lifesavers and for me heaven sent."* Garrett T. Hayashi, D.D.S.

▶ **Avoiding Astronomical Costs**

*"AbsoluteClimo was a big help to us prior to the past major storm system. Their advanced warning of imminent flooding gave us time to ensure that our drainage systems and sump pumps were in good order and we were able to purchase some sand bags before supplies were depleted. It's hard to put a value on being prepared, but suffice it to say that if our flood management systems were to fail us, the costs could be astronomical. Thanks again to Brendan and his colleagues at AbsoluteClimo!"* Dave Battles, General Manager Lili'uokalani Gardens Waikiki.

▶ **Wall of Duct Tape**

*"At work I helped unload the sandbags next to the swimming pool which is one of the flood prone areas, and at home I taped the bottom eighth of the door with a wall of duct tape before it rained."* Keoni Rivera, O'ahu resident.

▶ **Keeping Guests Safe**

*"Our friends at AbsoluteClimo have been invaluable over the last major weather disruptions. Most recently we cancelled a home birthday celebration, 30 guests, due to their analysis of highly probable major flooding. This allowed us to better prepare as well as keep our guests from venturing out! Thanks guys!"* Dean and Tara Spagnoli O'ahu windward residents.

► **Automobiles Saved**

*"Mahalo to the AbsoluteClimo team for providing me with an early and accurate warning about a potentially catastrophic flood event 4 to 5 days prior to its arrival. Unlike my fellow apartment building residents, I was able to move my parked vehicle to an upper floor prior to 3 - 4 feet of rain water runoff flooding the building's basement. Many of my neighbors who park in the basement elected not to move their car resulting in major water damage or a total loss to said vehicles. I believe that many of those same people were victims of confusing and often over the top local media messaging prior to potential hurricane events that head in Hawaii's direction on a fairly regular basis. Fortunately, I had AbsoluteClimo."* Michael Naehu  
Owner of Logical Solutions Honolulu.

► **A Bright Future for All**

*"The future is much brighter for everyone, no need the crystal ball. AbsoluteClimo has embraced the power of technology and in recent years has forecast weather events in Hawaii (and around the world) with uncanny and unsurpassed accuracy. I can see many, many lives spared, millions of dollars saved and a path to that brighter future!"* Philip Richardson, CEO, Partner & Founder at Current Affairs Hawai'i (37 years in business).

*"Most existing climate prediction solutions use and blend similar datasets and models leading to undifferentiated biased longer-term predictions. This year AbsoluteClimo has proven yet again they are consistently second to none with their long-term forecasts,"* said Dr. Ajay Somani, AbsoluteClimo Advisor.

In 2021 at [AbsoluteClimo](#) LLC we celebrated our fifth year of business as a founder funded wholly independent company. Early this year we [announced](#) a strategic partnership with Singapore reinsurance actuarial firm AKR Zell and [additions](#) to our global advisory team of leading practitioners in quantitative finance, machine learning, artificial intelligence and business development, Dr. Ajay Somani and Dr. Chris Maeda. We continued to [grow](#) our client base this year without hype or venture capital, based on our scientifically rigorous time tested well calibrated climate and finance models yielding consistent skill, proven success track record and value add. In 2021 we [announced](#) ClimoEnergy and our [collaboration](#) with [Sanguine Impact Investment](#) on green energy climate initiatives for green energy project bonds and long-term project planning. We were invited this year as lecturers ([University of Hawaii](#)), presenters and panelists at [global conferences](#) on ESG (Environmental, social and corporate governance) and [returned](#) for a second year to the ESG Pension Bridge Summit. AbsoluteClimo media contact: Arnold Ku [arnold.ku@absoluteclimo.com](mailto:arnold.ku@absoluteclimo.com)