From: <u>tom mora</u>

To: <u>SENR Exhibits</u>

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Hello.

Very busy this week but wanted to give you a heads up. About this shake alert which I like the idea but knowing our governor I had to investigate myself. Spoken to a USGS representative, seem bit nervous to answer my questions, which I understand, don't want to get anyone in trouble either. If too close of the impact you will receive an alert but it might be during or after the shaking of an earthquake. But I had spoken to other individuals before, mentioning last year in California the impact was no where near southern California. When USGS discovered an earthquake was coming from far away in northern California they alerted that shake alert app, the shake alert app did not alert the people until after earthquake already hit southern California.

The shake alert does not work for earthquakes of a magnitude of a 5.0 rate or less. But when last year in California when they received a 6.1 or 6.4 magnitude rate that shake app did not work to send to all users in time before earthquake occurred in southern California. However, the USGS does not manage or maintain any of the Apps. They issue the alert, deliver to those who run the Apps and they distribute to their subscribers. So once they hand off the ShakeAlert to it's partners in their hands to distribute an alert. Even though the USGS mentioned they are in charge of that shake alert app they mentioned this to me earlier.

My question for this shake alert are they gonna be improving and upgrading their app for many users to have no issues using this app?

They mentioned that this shake alert gives people 48sec to find shelter and a safe place to be at during a massive earthquake. This information is from our governor and her team. My question for them was, does that 48 seconds starts when these USGS scientist discovers an earthquake is on its way and that 48 seconds starts from there? Or does that 48 seconds starts when that shake alert app gives people warning a time to run for safety in such a event. They mentioned the clock starts as soon as they detect the earthquake on the Earth's surface and it takes the USGS usually less than 10 or 20 seconds to issue an alert and hand it off to it's partners.

Depending on how the partner delivers the message it could add extra time to give shake alert to it's app users.

Again I investigate since that's what I do. This governor does not study into anything or do her own research before investing tax payers money. Seems like our governor just signs a bill without any questions or concerns about the bill. Shows the bill after signature it for people to start taking photos of her holding the bill up in front of a camera and everyone to claps for her. Seems like ratings and reputation is more important to our governor.

I like the idea of shake alert but if they are not gonna improve it, maintain it, or whatever making it difficult for the users. Than it's a waste of tax payers money. It's like the marketplace Obama care health insurance they said they were gonna fix the issues it had, but that never happened, and it gotten worse. And not to mention our governor messed up Oregon marketplace health insurance for low incomes even more ever since she introduced that bill last year to help the low income individuals which backfired.

Again I got lots of things right now to do that's work related since I am still a small business owner but trying to help you out the best way I can.

If they don't find ways to improve that shake alert app it will be useless. If many will be getting an alert of an earthquake that has already occurred then it's a waste of tax payers money. So what people are gonna do in a such situation like that, if this shake alert app does not give it's users plenty of time to run for safety in such a massive earthquake situation. Are people in all of a sudden earthquake situation is gonna be looking at their phones when they received a warning of an earthquake that has already occurred at the same time when they received that text message? When the earthquake and that shake alert message occurs at the same time are people really gonna just be standing there looking at their phones wondering what to do in that earthquake situation. Nooo, people who got no early warning of an earthquake and earthquake that occurred all of a sudden by surprise. People are gonna use their judgement and common sense to run to a safe place to keep themselves from having fallen debris from buildings or whatever falling on top of them and crushing them. It's a life and death situation no one is gonna be looking at their phones when they received a text message from shake alert, if the earthquake already started to begin.