

# Arizona Evacuations WG Meeting (2023-05-18 10:01 GMT-7) - Transcript

## Attendees

+1 928-\*\*\*-\*\*86, Aaron Seifert, Ashley Ahlquist, Becky Steinnecker, Benjamin Coker, Brian Bond, Brian Brady, Brooke Serpa, David Enriquez, Eric Shreve, James Johansen MCSO, Morgana Laurie, Morgana Laurie's Presentation, Paul Rosevear, Sarah Hess, Wade Brannon, Wes Dison

## Transcript

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**Brian Bond:** That is correct.

**Morgana Laurie:** there it

**Morgana Laurie:** All right. So anything you say? Jokes that are made will be preserved in their entirety.

**Morgana Laurie:** Okay. welcome everyone, to the Arizona evacuations,

**Morgana Laurie:** We do have a quorum. um, First, order of business is to approve, the April meeting minute, which this time, we're recording. So thank you for that. Brian Curran. And that meeting very nice. Do I have a motion to approve? The meeting minutes from April.

**Sarah Hess:** This is Sarah. I motion to approve our meeting minutes from April.

**Morgana Laurie:** Thank you, Sarah. So I have a second

**Paul Rosevear:** also, I could

**Morgana Laurie:** Thank you.

**Morgana Laurie:** All right. So the first thing after that is, is there anyone on this meeting that has not attended before? And if so, we would love to hear some introductions. A couple new places.

**+1 928-\*\*\*-\*\*86:** Like it.

**+1 928-\*\*\*-\*\*86:** Welcome. It'll look better when we get our pneumatic tables.

**Morgana Laurie:** I'm not sure.

**Morgana Laurie:** Is that what? With the hot mic.

**+1 928-\*\*\*-\*\*86:** I apologize. I thought it was me.

**Morgana Laurie:** No worries at also.

**Becky Steinnecker:** I guess I'll go. This is actually my second meeting, but I didn't talk the last time either, but my name is Becky Steinnecker. I'm the GIS analyst at Golden Ranch Fire District and I met a lot of you at the Ageic meeting in the fall. And thought it was very interested but I finally got officially invited. So thank you very much.

**Morgana Laurie:** Awesome. Becky is so good to have you here. And yeah, I remember speaking with you after. I think a doctor our presentation.

**Becky Steinnecker:** Yep.

**Morgana Laurie:** Yeah, at Ajik. So that's great.

**Becky Steinnecker:** You did. Thank you.

**Morgana Laurie:** We're happy to have you. Welcome.

**Morgana Laurie:** Anyone else?

**Morgana Laurie:** Did not. All right, all good. all right, so the next thing I'd like to do is

**Morgana Laurie:** Wes was kind enough to send over the approved finalized Sedona evacuation plan. It's looking really, really great. So I'd like to get any reports from the emergency management side Wes or Ashley on.

**Morgana Laurie:** You know how that went? How it's going with your, your implementations in the county? I know Coconino it's pretty well finalized and it's very evacuation, plannings. And any any other sort of report We've I'm not even going to say the word quiet right now, but nothing too crazy at except for that flooding in Yavapai in March. So yeah, anything from the emergency management side that we should take away as we move forward with the project.

**Ashley Ahlquist:** So I think overall it just it's a

**Ashley Ahlquist:** great product. I'm very proud of Sedona for taking those efforts to to do this. I believe it's next week at the calendar is right in my brain that we're gonna be presenting to the city council and have a nice little presentation with that. So that'll be good. We're really, really hoping at least I know I am here to be able to to use this to inspire others, especially the local level to really move forward or something. Similar. I know Wes has had a little bit more. He's had better better luck in terms of getting folks on board with this whole evacuation zone concept and they put together some cool stuff. But here at my county we have people that are they want to they're talking about it. We've also demoed Zone Haven, I probably could do that myself this point. I've been part of so many demos, but that's been a product that has been well received here within yet by County Cottonwood. I think I mentioned a while ago is moving forward.

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**Ashley Ahlquist:** The city of Prescott is looking to move forward with it as well. We are working on the county and we are also working on encouraging our partners to also kind of be forward thinking and

whether or not they use the Product zone haven or they start to look for evacuation zones period. but we seem to kind of hit some some roadblocks and maybe just

**Ashley Ahlquist:** The If it's not broke, don't fix it, type of mentality, but I'm fairly confident, we will we'll get there here to disability. It's more the long game for us rather than mediate. But I think seeing products like this, and being able to have an example of something here, within our county here within the state that is put together a phenomenal product, will be able to kind of say here. Here's a, here's something that's happened and hopefully show that it is possible. And it's not this wild and crazy concept that they can see it in front of them, you know? So I guess that's my, my many rant, my two cents.

**Morgana Laurie:** Love it now. Thank you, Ashley. That's that's great to hear. And that's really interesting that like City of Prescott and stuff might be looking at Zone Haven. Um, so I hope that yeah, that presentation that they did last month was was useful. And again, I know this is something that

**Morgana Laurie:** it's always about the funding right? And and I know that like at the state level, you know, I I sort of tried to maybe do like an enterprise level thing for the state and with that emp g grant from. So for those of you that are not on the emergency management side FEMA does their Emergency management program, grants. And that's how a lot of our stuff, get funded. And this year they have a lot of pretty specific asked for evacuation planning and by asks it also means that opportunity so maybe you know at the city and county level at least you can use that to to at least match some of those funds in in more vulnerable and populated areas. So that's really cool to hear.

**Morgana Laurie:** And, yeah, I agree with you. That the Sedona Evacuation plan is a great product. I'm kind of showing my screen here from the document, that that Wes came over and I know we will all appreciate this things. Like each evacuation zone is. There's analysis on the traffic flow and you know, if X Road is closed, this is how long these zones will take to evacuate and be both roads are closed. It's it's really nice. So so yeah, that's that's great to see and I'm happy we'll be able to incorporate these into our own data set. So, Cool.

**Morgana Laurie:** Anything else from? The emergency management. Folks on the call.

**Morgana Laurie:** Alright, well hearing nothing. We will move on to some other exciting news. Which is that? Again, back to funding, we did find a little bit of it here at Dima. It's not much but we did our best and we we as a team sat down with District and Brian Brady, who is on the call um, to talk about helping us with our SME implementation. So as I've admitted to all of you, I am not an fme expert by any means. Um, and you know, just give them the nature of the work group. We are all volunteers, I certainly wouldn't expect us all to like sit down and do this pretty hefty piece of work. So that's why we're looking and

**Morgana Laurie:** For vendor health. And Justik has very graciously stepped up and is going to be helping us with that. So Brian, is there anything you would like to add? I know you all saw that kind of implementation diagram before. but yeah, we can kind of report out on on what that's going to look like and how that is going to help. The overall efforts of the work group.

**Brian Brady:** Thank you pretty much had that covered more down. Good job.

**Morgana Laurie:** It. Yeah, no. It's a I'm really excited that. Yeah.

**Brian Brady:** We're really. All excited to get to get going on this. This again, folks is just more or less a pilot kind of a proof of concept thing. The, the overall focus here is to um, within some boundaries, of

course of for pilot there, there's certain things that that would be done in a production environment. This is, this is basically meant to, to prove the concept that we can ingest data at will, from individual counties, validate that data to a certain degree report back on any data errors that it finds and and basically published that information with them the context of the statewide framework.

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**Brian Brady:** Um, is general just to the thing, the general just we will be considering and looking at California's implementations to kind of go through and kind of see what would be involved in the full scope of something like this, this nature, but I think we kind of all pretty much understand what and it needs to happen there. It's it's fairly basic stuff. And it won't actually take this very long to actually stand up working pilot of us at all.

**Morgana Laurie:** Yeah. Thank you Brian and I think that's the key for us. All to keep in mind, is that a this is our This is our testing phase, right? This is we you know, we have our schema developed we have examples to go off of this year and you know with with Brian's help we're going to be able to get the FME workflow also in the testing phase so that we are, you know, meeting our meeting our goals of having that data set up and running in some form as that proof of concept and

**Morgana Laurie:** Like we all know until it's out in the real world doing its thing. We don't know what is not going to work or what needs to change because the real world is much more messy than it is when we're building this data in our minds. So this will be really, really good. The fact that we're keeping it simple right now. You know, we're not adding topology rules or you know the boundaries need to snap this way or that way. We're not going to be doing any of that quite yet. What we're more looking for is

**Morgana Laurie:** Making sure that the fields that need to be still out. Filled out, are filled out that are supporting data, set, play nicely with with the final and that it is able to be published to AZ Geo. And and those are just sort of the three key points that we're looking for from this iteration of the workflow. Um which sort of brings me to my my next thing which is there a few action items that I would like to assign to group members. So we have I think a couple meetings ago we did establish which supporting data sets we're going to need for this fme process so we have, you know, county boundaries, the tribal boundaries, The PSAT.

**Morgana Laurie:** We have points of interest as maybe a sort of a maybe which would be cool. I'm not sure we probably need a little more work on. Figuring out what that might look like. So you know that's something we can be doing simultaneously and add that data set in later.

**Morgana Laurie:** So what I'm going to do is ask a few of you to get these data set and Send them over to me. And Brian, I think most of them are on easy Geo already, so it's probably going to be like a 10 minute thing, but Yeah. Who would like to take the county boundaries and and this would be the resolution of that would be like not the generalized version the

**Morgana Laurie:** More specific version, who wants to be in charge of grabbing our exact official county boundaries for Arizona.

**Brian Bond:** help me, understand Morgana you're wanting us to Take ownership of what symbol we're on that. Topic of choosing to symbology.

**Morgana Laurie:** Oh no, no. Sorry, we're still on this 10-15 am. The Fme the action items. Basically, what we need are the supporting data sets,...

**Brian Bond:** Okay.

**Morgana Laurie:** Or like, filling in the county or whatever. And so...

**Brian Bond:** so, we're just going to make the URL,...

**Morgana Laurie:** what I need is, yeah.

**Brian Bond:** the Web web but URL that we would use

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**Morgana Laurie:** Yep, for the future service. So if we can find the most authoritative, Because there are a million data sets out there that are Arizona County boundaries. I want to make sure we're using the official one whether that's on easygo or wherever.

**Sarah Hess:** Would that be Arizona? State Lands version.

**Brian Bond:** Right.

**Sarah Hess:** Of our county boundaries. Okay.

**Morgana Laurie:** Yeah.

**Brian Bond:** Thank you. That's easy one.

**Morgana Laurie:** So again, this is a Pretty easy task.

**Brian Bond:** I'll take it.

**Morgana Laurie:** All right, Brian, thank you.

**Morgana Laurie:** Alright, everyone's tribe. Tribal nations.

**Brian Bond:** I'm tired. I don't want that one.

**Paul Rosevear:** I'll take tribes...

**Morgana Laurie:** you know, I'm actually Yeah,...

**Paul Rosevear:** if no one else takes it.

**Morgana Laurie:** I was gonna say Paul. We actually had this issue with our one of our other systems, we needed an updated tribal boundaries. And there was not one and we had to do some kind of ugly. Joins and stuff, and merging this. And that because there's a Looney tribe that is in Arizona, but it's also in New Mexico. And so we had, we had to do a little bit of digging on that one. So thank you. That one. And peacocks. I'm going to nominate someone from Adoa.

**Brooke Serpa:** I think, yeah, I can take that one.

**Morgana Laurie:** Awesome. Thank you.

**Brooke Serpa:** Noise.

**Morgana Laurie:** All right, cool. So I'll follow up with the three of you on. On that in a week or two. As soon as Brian and and just take me back.

**Brian Bond:** Do you want to assist the email, you?

**Morgana Laurie:** Yeah. yeah, that would be fine and if you could copy, Brian Brady

**Brian Brady:** That perfect. Thank

**Morgana Laurie:** All right. So before we move on, are there any questions about this fine process? I think last month when I wasn't here, they will be. Who's not here. Now, I was gonna breathe out a little on the status of our, basically, a state land and very generously carved us a space in their FMU server environment. That we're going to be using, which makes sense since we're publishing the azgo anyway. Just kind of keeps it all in one house, but we do have that environment set up so that we have the credentials, everything's ready to go. And so we can check that off of our list of things we needed to do.

**Morgana Laurie:** This quarter.

**Brian Brady:** Morgana, have you verify this?

**Morgana Laurie:** Oh yeah. I have,...

**Brian Brady:** By any chance.

**Morgana Laurie:** I have, I logged in, I played around a little with it. It looks like it. Ready to do, whatever it needs to do.

**Brian Brady:** Right. Okay.

**Morgana Laurie:** But again, if there are any issues, I'm sure Ryan Johnson will. He's very responsive about helping out with stuff like that. so yeah,...

**Brian Brady:** oh, That's beautiful that I'll just stick to our timeline.

**Morgana Laurie:** if we run into anything,

**Brian Brady:** So, Thank you.

**Morgana Laurie:** cool. It's done. And all right.

**Morgana Laurie:** The next step. Again, this is part of the exciting part because now that we're, we're getting to the point where we are going to have a published feature class.

**Morgana Laurie:** Corporating. All these evacuation zones from our test counties, I would like to, as a group start symbolize or start brainstorming, the standard symbology that we're going to be using. And this is kind of an important one because

**Morgana Laurie:** There's definitely I want a few working groups for like Math Things and National Association for Public Safety GIS. And they're really looking at standardizing symbology for things like wildfire mitigation and and how do we make sure things are visualized for? Non-technical non-gis audiences. The people who are going to be using these maps, right? And then keeping in mind saying, like accessibility. So I'm gonna pull up the stop sharing and pull up different kind of notes, document and

**Morgana Laurie:** Maybe we can start just brainstorming as a group, how we want to symbolize this. This feature layer because as we all know, the regular green has its has its problems. How do we work with that? Or work around it and make sure we're getting the message across?

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**Morgana Laurie:** Oh, yeah, in the chat. Brian has put his, his email for you guys, to send supporting David.

**Brian Bond:** For the record. That's bad. Brian.

**Brian Brady:** Who said,...

**Morgana Laurie:** Bad Brian and...

**Brian Brady:** thanks. A lot with Brian.

**Morgana Laurie:** good. Brian, huh?

**Brian Bond:** Recorded. This one that makes sure, that was recorded, thanks.

**Morgana Laurie:** Yeah.

**Brian Brady:** Got got sidetracked for a secondary kind of missed that. Did I just did I just

**Brian Brady:** Never mind.

**Brian Bond:** Even know...

**Brian Bond:** what you did. Wow.

**Brian Brady:** I didn't know...

**Brian Brady:** what I did. Brian. I don't even know what I did a bad Brian.

**Brian Bond:** Yes, back to the topic of symbology. Now,

**Morgana Laurie:** All right. And Google Doc.

**Brian Bond:** Yeah, so do you have some ideas already Morgana? Or will you just working on an empty shell here to have us as a committee or work group to come up with colors? Styles.

**Morgana Laurie:** Yeah, I I do have a few. Basically, what I'd like to do today is just Discuss. What are our standard? And then we can hone it a little further with things like the exact hex code. And, and all of that. Just so that when When this is symbolized, maybe in your own applications or whatever, they're easy, ready to apply style.

**Morgana Laurie:** And yeah, just developing a style sheet for it, I guess you could say.

**Brian Bond:** Yeah.

**Morgana Laurie:** Okay. Yeah.

**Morgana Laurie:** I'm gonna make this. Bigger.

**Morgana Laurie:** Okay, so we have our

**Morgana Laurie:** status. Go running and shelter in place. Um,

**Morgana Laurie:** so let's tackle the easier ones. First we'll put ready, set. Go aside for the moment and talk about planning and Sheltering play. And the planning.

**Morgana Laurie:** To my mind and I've seen Coconino do this is anything that's just in the Planning stage, which should be everything.

**Morgana Laurie:** Is basically invisible. Like there's not even a boundary. Just so that. Because some of these will change based on the incident. Something might be drawn on the floor so people don't necessarily need to see

**Morgana Laurie:** Where they are. But then you look at the Sedona evacuation plan and maybe we want people to know exactly which which zone they're in even if it is in the planning stage. So what are our thoughts on that?

**Brian Bond:** My coworker and yavapai. Came up with a blue color for a planning. Boundary. Now. I don't know how she picked Blue, but it was a soft color. That wasn't an alarming color.

**Morgana Laurie:** Yeah.

**Sarah Hess:** I like the idea that we show the boundary, no matter what. Because that way, we can use it for a public education. And for our teams we generally show like boundaries are maybe like not in use or not designated as like a gray color.

**Brian Bond:** I also second has to

**Morgana Laurie:** All right. Yeah, I I like that too. I I think it's good to have. If a planning zone exists, I think it's probably good to show it.

**Morgana Laurie:** so, they're not in use are not designated.

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**Morgana Laurie:** would that be are we thinking maybe like I would say a blue gray at the. It's a risk of like everyone has a different idea of what Blue Gray is, but maybe just have sort of a like a soft blue gray, boundary

**Morgana Laurie:** Transparent interior on planning zones.

**Brian Bond:** That I hear,...



**Morgana Laurie:** That could be good.

**Brian Bond:** right? You said a blue solid fill with a gray outline.

**Morgana Laurie:** No, sorry. The outline is like a soft blue gray. and then, The fill is transparent. like no, fill

**Morgana Laurie:** Or we could do something like, very, very transparent. I don't know.

**Brooke Serpa:** I was looking at the recording of our previous meeting where I think it was safe Haven or

**Morgana Laurie:** Oh yeah. Zone Haven.

**Brooke Serpa:** Arizona Haven. Excuse me and trying to kind of utilize some of the symbology that they've already established just for

**Brooke Serpa:** Ideas I guess but also, when you hit that state line,...

**Morgana Laurie:** Yeah.

**Brooke Serpa:** that might be a good idea to kind of keep some kind of consistency or relative consistency.

**Morgana Laurie:** Yeah, and I like that idea too, especially if I mean, these are obviously.

**Morgana Laurie:** They've maybe done some of our research for us in terms of

**Morgana Laurie:** Oh yeah. Policies too.

**Morgana Laurie:** Paul's going to drop in a screenshot of California.

**Brooke Serpa:** Oh nice.

**Morgana Laurie:** Layer and symbology, okay.

**Brooke Serpa:** Yeah, the video recording that I'm looking at a little blurry so I was like that doesn't really help that much, but you can kind of get an idea of the colors.

**Morgana Laurie:** Yeah. Okay, yeah. So they're, they're schema's obviously a little different but they have the Advisory or clear to repopulate.

**Morgana Laurie:** This is not the Zone Haven app. This is the Cal OES. The California State Version. Basically their results. Like what we're doing?

**Morgana Laurie:** But in their case, if there are evacuation zones that are not doing anything, they're just completely clear, which I actually kind of like the idea of having something. To show that there, there is a zone in planning.

**Morgana Laurie:** All right, cool. And then, you know, as we're sort of building this out, especially after we get the the fme process in place and do have something published. That's what we can get back into that. That joint Web map in the Az, Geo group and Maybe we can all just like duplicate the layer and, you know, sort of play around with what that symbology is going to look like. And then you can put it to a vote like

like how each each one is gonna do. Because again it's hard to talk about symbology without actually doing it, but if I'm doing this live, it would probably take too long. So yeah, I appreciate everyone's you know, looking at other examples in the meantime

**Morgana Laurie:** All right. So shelter in place and this kind of an interesting one to me because obviously have to use a color that is or pattern even that is not in that running set. Go.

**Morgana Laurie:** Thing. And, and to me, you almost have to Really find a way to. designate that this is a different type of order. Than any evacuation order is very, very different. It's like a Turn off your air conditioner and don't let anything in the windows. so,

**Morgana Laurie:** what have you guys used in the past for this type of of order? And what do we think that we could? Use to distinguish this.

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**Brian Bond:** Doing a shelter in place. so, and I don't recall seeing one and recent time, That the talent, the make something alarming,...

**Morgana Laurie:** Yeah.

**Brian Bond:** but also Make you want to stay home.

**Brooke Serpa:** Yeah, I don't want to, I don't want to trigger anybody but it could be something similar to what was used for, like Covid which is just like a house that has texts that says stay home. Or a person in their house.

**Morgana Laurie:** Yeah. Covid. What was that? He Yeah, no. That's

**Morgana Laurie:** Yeah, what can we? Still, I'll give one example and and I don't know if we have a screenshot of this. So again in team accounting, a couple months ago, there would be has not situation that that shut down the I-10 um and caused a shelter in place. Order for a pretty large radius, it was about a square mile around that incident. There was like nitric acid, still going out and raining, which makes nitric acidity more reactive, and it was kind of crazy. So there was a shelter in place order.

**Morgana Laurie:** Interestingly, I believe that that order was made by DPS and not by the sheriff, because of jurisdictional issues. Part of, it was in City of Tucson, part of it was in Pima County part of. It was like a university, there's like a u of a facility or something. So, they actually had this kind of weird multi-jurisdictional issue going on and who's going to issue the order and I believe it was a Arizona, DPS, that, that issued the shelter in place order, but

**Morgana Laurie:** They just did it on Google Maps and it was a little wonky. So Paul and I put it into our own map and I don't know if all of you are aware of this, but in the new, every map viewer, they have given us the option to do. Have hatch filled. which was really cool for this because what we did was kind of like a just like a sideways, like kind of like you what you're talking about, Brooke like a like a, don't

**Morgana Laurie:** Don't don't go there or like a one of my trying to say, Like in a smoking sign except just a whole bunch of you know, sideways lines.

**Brooke Serpa:** And I keep out. Yeah.

**Morgana Laurie:** Yeah. And and in this case, we made it orange, but

**Morgana Laurie:** You can easily do, you know purple or Yeah, I think probably maybe either orange or purple. Would both be good.

**Morgana Laurie:** to designate the

**Morgana Laurie:** Maybe maybe purple, I don't know.

**Brooke Serpa:** I like purple just that was kind of what came to my mind too. But

**Morgana Laurie:** Yeah.

**Brooke Serpa:** Because it's not one of those like red, like, red, orange, yellow kind of colors.

**Morgana Laurie:** Yeah, purple one is his own page,...

**Brooke Serpa:** It's more

**Brian Brady:** Right. Oh, okay. I'm partial all and...

**Morgana Laurie:** like it's

**Brooke Serpa:** Yeah.

**Brian Brady:** all Facets of it lights. Darks, I'm a big fan of purple in math.

**Morgana Laurie:** Nice. Yeah,...

**Brooke Serpa:** And maybe.

**Morgana Laurie:** I agree. It's underutilized as a color.

**Morgana Laurie:** okay, so we could be looking at like, Hatch fill. So, this is gonna require you map, your

**Morgana Laurie:** Again, it's a little tricky to get there with that that hatch fill. but, I think, even just having A solid fill. If for whatever reason, your applications don't support a hatch fill, that's that. Could work too.

**Morgana Laurie:** All right, any other thoughts on shelter in place?

**Morgana Laurie:** All right, cool. Let's and I know we have discussed this a little bit of a group before. But let's tackle ready set, go. So currently this is red.

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**Morgana Laurie:** That is yellow. Go in green.

**Morgana Laurie:** And I know that I think we even maybe the vote on this before, or at least had an unofficial. Agreement. That

**Morgana Laurie:** Go means, danger. Go mean, get out.

**Morgana Laurie:** Traditionally, of course, in cartography, red is the get out. There's danger. Symbol do not enter this area.

**Morgana Laurie:** We've had discussion with our PIO which I've a public information office. that are conveyed before, which is that The International Association of Fire Chief, you know, they have their marketing materials for ready. Set, go, which are really sharp looking. Um, they look good.

**Morgana Laurie:** They use the traffic light. Analogy where red weight that is health and my case it's speed up when you see yellow but it should be like get ready to do whatever you do and then go green.

**Morgana Laurie:** We also have like our Palo Verde generating station planning zones which is a whole different kind of evacuation for our nuclear preparedness. That team said straight out do not use Green for evacuate is that use red? so, we have kind of two different sides going on there and I think as a group we could Put a line in the sand and say, You know, red means danger in the map.

**Morgana Laurie:** and then, Just rehearse that color ramp the way other states have done like New Mexico.

**Morgana Laurie:** The winter. Our thoughts on that? Do we want to take a stand?

**Brian Bond:** Yes, so we're gonna go against the grain to say, I like that.

**Morgana Laurie:** Yeah. I think go against the marketing materials.

**Brooke Serpa:** Is Sedona.

**Brooke Serpa:** Is that what Sedona is opting to do as well? And Their work.

**Brooke Serpa:** Okay.

**Morgana Laurie:** Um, I don't know if it was over the plan real quick.

**Ashley Ahlquist:** Sorry, I'm Is this regards my ready set? Go.

**Morgana Laurie:** Work and warming. Yeah. Yes.

**Brooke Serpa:** yep, that's actually

**Ashley Ahlquist:** And that color scheme. I believe they're going with what we have to stick with for Arizona, which is the The green is the go.

**Wes Dison:** That's correct.

**Morgana Laurie:** Okay. Okay.

**Brooke Serpa:** Just curious.

**Ashley Ahlquist:** It's a I don't remember...

**Morgana Laurie:** Copy that.

**Ashley Ahlquist:** which meeting that came up with or how it came up but I know Judy the PIO with you guys edema. She did some digging and that's the color scheme. Like, we're supposed to Go with even though it's Kind of backwards but I guess the philosophy is that the green is green is go.

**Morgana Laurie:** Yes.

**Ashley Ahlquist:** The stop sign or whatever.

**Morgana Laurie:** Okay. Cool. Good to know. Yeah, I know.

**Morgana Laurie:** We've had a lot of conversations with Judy as well on this. She's definitely a, you know, follow the exact rules of the lafc. Although they are also Having this exact discussion on the problematic nature of mapping this in that way. But given that. You know, the official guidance is. We have to stick with these. This color scheme, I guess the challenge for this group is how do we work with that in a way that still conveys. What we need to convey. Right. So I'm okay with the challenge. I think we can still make this work. We can use things like boundary thickness, like the outline thickness. And we can use things like de-faturating that red. So it's not like,

**Morgana Laurie:** In your face.

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**Wes Dison:** Storm. Morgana if I can, this is Wes real quick. We're we are challenged with this too.

**Morgana Laurie:** Yeah.

**Wes Dison:** But in reality, we are not going to be addressing ready or red on our mapping. Everybody is supposed to be ready all the time. so, the only colors that will be Actively bringing online during an event in yellow, or green. We're not going to have any regular mass, so we actually did that. Last year we had some ready stuff and it was really confusing. So for our active purposes, we're all in pencil purposes for operative, for operationalizing. This whole thing, we're going with yellow green. So there won't be any red on our maps.

**Ashley Ahlquist:** Same for Yavapai. We just made that change as we learned during the flooding. They made that change, but I don't know how many other counties are going to be sticking with that. But that's,

**Wes Dison:** and we're really,...

**Morgana Laurie:** Yeah.

**Wes Dison:** yeah, we're trying to mix it into our messaging that, you know, there's there's some belief that there was some belief, I think just in the early, A messaging. Everybody said Go that ready was a stage. And ready isn't really a stage, right? Is every day,...

**Morgana Laurie:** Yeah.

**Wes Dison:** right? And so we're trying to Right.

**Brooke Serpa:** Ready is a lifestyle?

**Wes Dison:** Right. Is the lifestyle, exactly. We're trying to get that across.

**Morgana Laurie:** He?

**Wes Dison:** That it's not a stage. We're not going to let you know to get ready. You should always be ready. We're going to let you know when it's time to start packing, your stuff I set. So we're going to be really operationalizing,...

**Morgana Laurie:** Yeah.

**Wes Dison:** just the yellow and green.

**Morgana Laurie:** That's great to know. Yeah, that totally makes sense and I think that makes it a lot easier for, for this group, as well, just to know that.

**Morgana Laurie:** Not be. In the lives.

**Wes Dison:** And yes.

**Brooke Serpa:** One and...

**Brooke Serpa:** only oh, go ahead with sorry.

**Wes Dison:** The other thing I'll say is and,...

**Wes Dison:** you know, Ton of Fire was a little bit of an exception because the headwinds were 75 miles an hour. But when you're trying to change these maps on the fly, We were having to make changes every two and three and five minutes. and so, really working with just the two colors, frankly made it easier and we were struggling, because we originally were trying to do with three, so, I just think it operationally makes a lot of sense. We've experienced that I've learned that from last year and unless something changes dramatically unless Nate overruled me, that's where we're going to go.

**Morgana Laurie:** Okay.

**Paul Rosevear:** It's a good example from real ordered experience last year and then also adding labels that we talked about in the past that's important too.

**Morgana Laurie:** Yeah, well, we'll get to the labeling in a second because, yeah, that is a definitely an important takeaway that. We've had a few other meetings. um,

**Morgana Laurie:** all right, so as far as Ready. We're not going to put red on the map in terms of wildfire that actually makes it. easier to because most of the time those wildfire boundaries, like the actual

**Morgana Laurie:** Perimeter of the wildfire, that's usually red. So having read on red is not going to be a good thing anyway because that's confusing. So, you know, I think I think we can definitely work with this. So yeah. Yeah.

**Brooke Serpa:** Yeah, I think that would be my two cents is like you see red. You think fire on a map? Not not necessarily like, Oh I'm good.

**Morgana Laurie:** So this case Red will still mean danger and that's what we want it to mean. Red is where the fire actually is. Um, okay, so really for all intents and purposes, then this Ready. Status. It's almost like planning in a way.

**Morgana Laurie:** but, so, I guess for now, Maybe we use the same as planning.

**Morgana Laurie:** And then maybe one of the things that we learn from this entire process is that planning. As a status doesn't even work for us. Maybe we just want to use ready, set go and shelter in place, but again, we won't, we won't really know that until we can get out there and test it in the real world. But if everyone good with that with using, Keeping ready as the same stage of the I've seen. Symbology is planning for now and then see see what we do with it.

**Paul Rosevear:** I agree with that.

**Morgana Laurie:** All right, and then looking at I think the go for green, I think that's pretty self-explanatory. The one thing I will notice or that I have noticed in the past about Yellow for set Is that sometimes depending on your base map, if it's a light basemap or a topographic base map or you're you're seeing or an aerial or something like that, that yellow is a little hard to see. As a boundary. So, just from my own. observation, I think having a darker

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**Morgana Laurie:** Like a yellow, grayish, green chartreuse. I don't know. Or that everyone can agree, what color that is something dark to outline that that there is something here. So that sort of makes sense where just yellow on its own, can be difficult to hear.

**Morgana Laurie:** Plan. It's not here. See. And then maybe like a higher contrast boundary might be helpful.

**Brian Bond:** so, Good. David.

**David Enriquez:** Yeah, by me some volunteer for Red Cross. So basically whatever you guys put on the maps, we try to duplicate it and put on our maps and get population counts. And you know, so leadership can look at this stuff and open shelters and and keep track of everything where there's stuff is and try to have it ready for you. So but to your point if I may I think yeah having a A slight border is a big help, especially when the evacuation zones, but up against each other, when we're doing Hermit's Peak and Calf Canyon in New Mexico, At one time, I counted 84 evacuation zones. We were keeping track of and then they kept splitting them and half of them would go

**David Enriquez:** You know, one color another and so it helps you use the, You know, the control, click to snap to the edges, you know, to have everything lined up. So for me, that I just added that to our maps and that makes it a lot easier to use. so, Yeah, and then especially when they start splitting them and they're two different colors and we have to get population counts again. So I like that idea. Personally.

**Morgana Laurie:** Hmm. Yeah, that's a great example. Yeah, thank you for sharing that. That helped you a lot in that context. Because yeah these things do split. They do change and then you're like Where was this versus this to have a Higher contrast, I guess is a the word I'm determine looking for. For the edges of those especially when you have a soft color like yellow. That seems like it would be.

**Morgana Laurie:** So, I guess we can add that. Character Green. Outline boundary.

**Morgana Laurie:** Um great, this is really good stuff. You guys I think this is going to definitely help us be ready to go with our their testing phase. We have a few minutes left to talk about this topic but and the one thing and in Paul had mentioned it before and I think I've mentioned in a few meetings in the past as well is the idea of overall labeling so, Someone who has a screen reader on someone who is colorblind. Someone, who Maybe doesn't know where or how the legend it's supposed to be.

**Morgana Laurie:** the advice from from our accessibility. Folks was that you want to label the zombie if it's set or go um with that status as well and so when we're mapping, I mean that's as easy as turn on the labels and maps, mask status and of course he can filter out planning or Or whatever, if we need to.

**Morgana Laurie:** But having that, that label over the top. Really, really helps. anyone with With those access and special needs.

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**Morgana Laurie:** Considerations. So,

**Morgana Laurie:** What we started doing again with that Tucson Hazmat thing and then just with our Palo Verde nuclear exercises and and all of that pretty evacuations was labeling. What's that? What's go. And it actually looks pretty cool on the map so it gives it a little more clarity when you look at it at a glance and as we talked about before these media organizations tend to take screenshots and share them sometimes, you know, on the news or on their Facebook page or whatever. So when when that happens it shouldn't happen but it does Excuse me to have those labels. Does help people out of glance. So,

**Morgana Laurie:** yeah, are there any contrary ideas to that or any specific thoughts on what those labels should look like,

**Morgana Laurie:** other than clear. And readable.

**Brian Bond:** Another comment in regards to the labels. I did want to go back to my chat message and looking into different symbol sets now. There's even I think, in that same.

**Brian Bond:** RTS blog that I put in the chat. It was even describing where you can do.

**Brian Bond:** Marker symbol. Within the polygon. So it's a like a dots of you know, like landscape. You can see orange groves or trees. swamp is a vineyards. Mangroves, those type of things. I don't know if you guys

**Brian Bond:** If that creates more of a mess, but That's Google Chat doesn't support pictures. I can't send you a picture of it, but It's the concept.

**Morgana Laurie:** I know and I I apologize because there's all this stuff in the chat and when your screen sharing or the screen sharer on Google meet, you can't see to chat which you're trying to drive me crazy. But yeah, I just started catching up on all of this. This is great stuff though.

**Brian Bond:** So, so what I'm bringing out is, you know,...

**Morgana Laurie:** Yeah. Yeah.



**Brian Bond:** we're, we're so two-dimensional in it has to be blue, or green, or yellow and An outline, but it can become more complex if we

**Brian Bond:** Depending and even in artists online, it says, some of these symbols are not compatible with all apps. So of course, what your app that you end up creating for the presentation, may not even support. My conversation, my, my comments at all. But that is an option that we can go down the road in the future after we've got a An actual data set and...

**Morgana Laurie:** Yeah.

**Brian Bond:** an application built.

**Morgana Laurie:** Yeah, definitely. And and yeah, James to answer your question.

**Morgana Laurie:** So, I believe. So when we publish this on Az Geo and anyone else? Correct? Me, if I'm wrong on the architecture of that system, it is It is essentially a portal, it is an enterprise system. So we may be able to To do exactly that to override any. Local.

**Morgana Laurie:** Map Viewer. Restrictions that someone's using like on an old school where that build or something like that with this symbology that we choose, especially for something like shelter in place so that we can use that hatch fill and and get a little more. Will a prettier and and be it. It clarifies. What's going on? And the same for the labeling.

**Morgana Laurie:** So yeah, hopefully we'll be able to do exactly that.

**Brooke Serpa:** I think,...

**Morgana Laurie:** so,

**Brooke Serpa:** with your FME, you'd probably do the ETL on the attributes and in that you define it essentially.

**Morgana Laurie:** Yeah, yeah, exactly. Yeah. And that would be applied like from from the, from the publication point, like it's just applied across the board. And in that...

00:55:00

**Brooke Serpa:** Yep.

**Morgana Laurie:** none of us have to replicate this in any maps that we, that we make, it will be already done for us, so that would be great.

**Morgana Laurie:** Well, all right, let me go back to the agenda, I think. Yeah, we got a lot of, a lot of good stuff done here today. Do we have any comments requests? Feature agenda items that we want to discuss, obviously will be continuing these discussion and brainstorming as we go. There is there anything else specific that? You think we should talk about for next meeting?

**Brian Bond:** can we get an updated timeline in regards to You know, getting the SME process running, getting an application up and running. as a visual for those that aren't in the back of this. You know, behind the scenes people, they're just they want to see the end result type of a thing as a demo.

**Brian Brady:** The target.

**Morgana Laurie:** yeah, yeah, Brian, I think you

**Brian Brady:** Yeah, the target completion. Date is the 8th of next month.

**Morgana Laurie:** Yeah, which is awesome. We definitely appreciate the the timeliness of it. Brian. It's helping us. Keep on track with what we want to see. So yeah. So next next month's meeting should be a pretty big one in the sense that we're we should have this.

**Morgana Laurie:** Ready. For this really kind of roll-up testing that we're going to be doing. And it all goes according to plan and of course, if it may not, if it doesn't then I'll update everyone in the meantime. But I think it will. And and we'll have that that feature service published the Avgl and...

**Brian Brady:** oh, Will make...

**Morgana Laurie:** then we can Make it from there. Oh yeah.

**Brian Brady:** it'll happen. It'll happen.

**Morgana Laurie:** Good stuff.

**Morgana Laurie:** All right. Yeah. So they updated timeline is that yeah, by next month and we're going to have that that first iteration of our of our feature service published and And we all get to start using it. And and that's probably when we can get a little more in depth on this symbolic. It's definitely, we can have something actually there where we can go through live and, and apply the symbology and see how we wanted. Exactly to look. So, all right, anything else?

**Brian Bond:** Can we also talk about workflows in regards to how the local counties or local agencies will submit? Or how,...

**Morgana Laurie:** Yeah.

**Brian Bond:** you know, where is the services or do you. Send the state file to database or consume a service. From that. I mean,

**Brian Brady:** The plan is almost like a drag and...

**Morgana Laurie:** Yes.

**Brian Brady:** drop operation. Brian. Something similar to that.

**Brian Bond:** but can we talk about that as a workflow so that others that we present this to, they Don't have to go back and look at, look, listen to our Heating minutes, but we have a simplified, you know, one, two, three, step documents or something.

**Morgana Laurie:** Yeah, right.

**Brian Bond:** And we don't need to have.

**Morgana Laurie:** I definitely put that. Yeah, I'll definitely put that on the agenda for for next month because we will have this workflow in place. I think that'll probably be a pretty good chunk of it. I think that's a great idea to go through the documentation that Justice is going to provide and...

**Brian Bond:** Together in jail.

**Morgana Laurie:** that and we'll have like a step by step. How to I can distribute, we can distribute that out to this work group and then that can be passed along from there. So, would that work? Yeah.

**Brian Bond:** And it doesn't have to be necessary next month. It could be the following month as well.

**Morgana Laurie:** Okay, well, we'll aim for next month, but if, if not,...

**Brian Bond:** Okay.

**Morgana Laurie:** then then definitely by July.

**Morgana Laurie:** Oh, all Well we are At 1101.

**Brian Bond:** Correct.

**Morgana Laurie:** So, I'm going to go ahead and adjourn the meeting and again, like always if there's something that comes up in the meantime, please just a female meeting. Well, we'll add it to the agenda and thank you all so much for your contributions. We're making big progress on very, very happy.

**Brooke Serpa:** Grab everybody. Good one.

**Brian Bond:** Thank you.

**Morgana Laurie:** All...

**Paul Rosevear:** Thanks everyone.

**Morgana Laurie:** Thank you. We are adjourned at 1101. All right. Have a great day, guys.

01:00:00

**Brian Brady:** Hi guys.

**Morgana Laurie:** Right.

Meeting ended after 01:00:16 🙌