

# Webinar

## Wildfire, Energy, and Economic Resilience in Sonoma, CA

Date: April 21, 2021

00:00:04 --> 00:00:09: Good morning all. Welcome to a presentation this morning from

00:00:09 --> 00:00:11: the Urban Land Institute.

00:00:11 --> 00:00:16: This morning, we'll hear from the Advisory Services Panel,

00:00:16 --> 00:00:21: a presentation on climate and economic resilience strategies for Sonoma

00:00:21 --> 00:00:22: County.

00:00:22 --> 00:00:26: First, a few logistics for Spanish speakers.

00:00:26 --> 00:00:31: Please select Close Caption Live transcription in the Meeting Controls

00:00:31 --> 00:00:36: panel or the menu to access live Spanish translation.

00:00:36 --> 00:00:39: This session is being recorded and will be posted on

00:00:39 --> 00:00:41: line as soon as possible.

00:00:41 --> 00:00:45: Thank you to the Urban Land Institute and the Kreski

00:00:45 --> 00:00:50: Foundation for supporting the important work and identifying Sonoma County

00:00:50 --> 00:00:54: as a critical player in helping the state and the

00:00:54 --> 00:00:58: nation developed local climate resilient solutions.

00:00:58 --> 00:01:01: Thank you also to the County of Sonoma.

00:01:01 --> 00:01:05: The city of Santa Rosa and the regional Climate Protection

00:01:05 --> 00:01:06: Authority staff.

00:01:06 --> 00:01:09: As well as all of the members of the steering

00:01:09 --> 00:01:13: group that helped to organize an evolved this project over

00:01:13 --> 00:01:16: the last year and as chair of the Regional Climate

00:01:16 --> 00:01:22: Protection Authority, I'm especially pleased that this has now come

00:01:22 --> 00:01:23: to fruition.

00:01:23 --> 00:01:28: Thank you as well to all of the community stakeholders

00:01:28 --> 00:01:33: who are with us virtually today to support this important

00:01:33 --> 00:01:34: work and we.

00:01:34 --> 00:01:37: Let me see, I've lost my place.

00:01:37 --> 00:01:40: We are with you virtually today.

00:01:40 --> 00:01:44: Your input and presentation is critical to our efforts.

00:01:44 --> 00:01:49: Sonoma County has shown its resilience to extreme climate events

00:01:49 --> 00:01:51: over the last few years,

00:01:51 --> 00:01:54: multiple wildfires, flooding and now drought.

00:01:54 --> 00:01:58: And as you know, I'm one of the fire survivors

00:01:58 --> 00:02:02: who lost their home in the fires four years ago.

00:02:02 --> 00:02:07: So this has special relevance to me in developing helping

00:02:07 --> 00:02:09: to develop us greener,

00:02:09 --> 00:02:13: more resilient and for the future.

00:02:13 --> 00:02:18: Our CPA recently adopted its Sonoma climate mobilization strategy designed

00:02:18 --> 00:02:23: to help Sonoma County achieve carbon neutrality by 2030.

00:02:23 --> 00:02:27: Strategy includes a section on resilience and adaptation.

00:02:27 --> 00:02:31: Look forward to working with our partners at the County

00:02:31 --> 00:02:35: and the city of Santa Rosa to incorporate the ULI

00:02:35 --> 00:02:39: recommendations into our strategies and plans going forward,

00:02:39 --> 00:02:43: and now I'd like to introduce supervisor.

00:02:43 --> 00:02:46: Hopkins Chair of the Board of Supervisors to share her

00:02:46 --> 00:02:51: perspective on the importance of the Urban Land Institute's panel

00:02:51 --> 00:02:52: work to Sonoma County.

00:02:52 --> 00:02:55: She and I Co. Chair the ad Hoc Committee on

00:02:55 --> 00:02:58: Climate Change and Resilience in the County.

00:02:58 --> 00:03:00: Thank you Linda for being here.

00:03:00 --> 00:03:03: Thank you so much. Terra Gore and you know,

00:03:03 --> 00:03:06: I've said it before, but I think it bears repeating.

00:03:06 --> 00:03:10: Sonoma County truly is Ground Zero for climate change,

00:03:10 --> 00:03:14: while the entire planet has been reeling from the impacts

00:03:14 --> 00:03:15: of the COVID-19 pandemic.

00:03:15 --> 00:03:18: For Sonoma County that is just the latest in the

00:03:19 --> 00:03:23: series of catastrophic disasters that have ruled our community over

00:03:23 --> 00:03:24: the past four years.

00:03:24 --> 00:03:29: Really, starting with the catastrophic wildfires in October of 2017,

00:03:29 --> 00:03:33: we have faced down catastrophic wildfires that have destroyed thousands

00:03:33 --> 00:03:35: of homes tragically,

00:03:35 --> 00:03:37: including my colleagues chair Gorans.

00:03:37 --> 00:03:40: We have faced down flood and we are now on

00:03:40 --> 00:03:43: the cusp of a pretty substantial drought here in Sonoma  
00:03:43 --> 00:03:44: County.  
00:03:44 --> 00:03:45: And I am proud though,  
00:03:45 --> 00:03:47: that out of this community.  
00:03:47 --> 00:03:50: Collective trauma that we've been going through.  
00:03:50 --> 00:03:52: There's also a tremendous sense of urgency.  
00:03:52 --> 00:03:55: There's a sense of being willing to take risks of  
00:03:55 --> 00:03:58: being willing to create substantial change in order to address  
00:03:58 --> 00:04:00: the climate crisis that we face.  
00:04:00 --> 00:04:01: And so I'm very proud that,  
00:04:01 --> 00:04:04: along with Terra Gore, and we have formed a new  
00:04:04 --> 00:04:07: ad hoc committee of the Board of Supervisors focused on  
00:04:07 --> 00:04:09: climate change and taking action.  
00:04:09 --> 00:04:12: We recently actually convened a town Hall to gather input  
00:04:12 --> 00:04:15: from residents on what the County should be doing to  
00:04:15 --> 00:04:16: address this climate crisis.  
00:04:16 --> 00:04:20: Hoping to source expert. Expertise as well as also  
community  
00:04:20 --> 00:04:24: grassroots advocacy and input to drive forward meaningful  
change here.  
00:04:24 --> 00:04:27: Right at home, the Board of Supervisors will be reviewing  
00:04:27 --> 00:04:30: these recommendations at a climate workshop coming up  
soon on  
00:04:30 --> 00:04:31: May 11th.  
00:04:31 --> 00:04:34: Additionally, one of the pillars of our new five year  
00:04:34 --> 00:04:37: strategic plan is focused specifically on climate action as well  
00:04:37 --> 00:04:38: as resiliency.  
00:04:38 --> 00:04:42: We recognize that adaptation and mitigation are equally  
important here  
00:04:42 --> 00:04:43: in Sonoma County.  
00:04:43 --> 00:04:46: The goals of this pillar of our strategic plan include  
00:04:46 --> 00:04:49: investments in wildfire preparedness and resiliency  
strategies.  
00:04:49 --> 00:04:53: Maximizing opportunities for mitigation of climate change and  
adaptation through  
00:04:53 --> 00:04:54: land conservation,  
00:04:54 --> 00:04:56: work and land use policies.  
00:04:56 --> 00:04:59: We're really looking forward to hearing the ulip panel  
recommendations  
00:04:59 --> 00:05:03: and specifically using them to inform the implementation of  
our  
00:05:03 --> 00:05:05: strategic plan and the update to our general plan that  
00:05:05 --> 00:05:08: we're currently embarking on. And without further ado,

00:05:08 --> 00:05:11: I would like to introduce a friend and colleague City  
00:05:11 --> 00:05:14: of Santa Rosa Mayor Chris Rogers to share why the  
00:05:14 --> 00:05:18: panel's recommendations are important to the city of Santa  
Rosa.

00:05:18 --> 00:05:21: Alright, well thank you so much supervisor,  
00:05:21 --> 00:05:24: I really appreciate it. Santa Rosa is very lucky to  
00:05:24 --> 00:05:26: have not just a City Council but also a staff  
00:05:26 --> 00:05:29: that's fully committed to addressing climate change.  
00:05:29 --> 00:05:31: And it is not lost on us that we've felt  
00:05:31 --> 00:05:34: this thing here in Sonoma County and that it's up  
00:05:34 --> 00:05:37: to us to do our part to control our greenhouse  
00:05:37 --> 00:05:40: gas emissions and to do things different to be more  
00:05:40 --> 00:05:43: resilient in the face of our climate that's changing.  
00:05:43 --> 00:05:46: And obviously we're going into a severe drought year even  
00:05:46 --> 00:05:48: before we get to our fire season,  
00:05:48 --> 00:05:49: so we know that substantial.  
00:05:49 --> 00:05:52: Impacts that are coming over the last couple of years.  
00:05:52 --> 00:05:55: We have made climate change at tier one priority for  
00:05:56 --> 00:05:56: our city in.  
00:05:56 --> 00:06:00: In fact, we appointed a climate action subcommittee a  
number  
00:06:00 --> 00:06:02: of years ago whose sole purpose was to take our  
00:06:02 --> 00:06:06: recommendations in our plans that had been sitting on the  
00:06:06 --> 00:06:09: shelf and really drive into action to show the community  
00:06:09 --> 00:06:13: that we are committed to addressing our greenhouse gas  
emissions.

00:06:13 --> 00:06:16: Our city passed one of the first all electric ordinances  
00:06:16 --> 00:06:19: for low low rise residential construction,  
00:06:19 --> 00:06:20: just a couple of years ago.  
00:06:20 --> 00:06:23: Making sure that our future is not gas but electric  
00:06:23 --> 00:06:25: and renewable sources.  
00:06:25 --> 00:06:28: We also partnered with our local CCA Sonoma Clean Power  
00:06:28 --> 00:06:32: and huge shout out to the work that they're doing  
00:06:32 --> 00:06:32: as well,  
00:06:32 --> 00:06:35: and we switched all city buildings over to 100%  
00:06:35 --> 00:06:40: renewable energy through their Evergreen program is  
something that I  
00:06:40 --> 00:06:41: highly recommend,  
00:06:41 --> 00:06:44: both to drive demand for our renewable sources,  
00:06:44 --> 00:06:48: but also to make a significant impact in our greenhouse  
00:06:48 --> 00:06:50: gas emissions immediately.  
00:06:50 --> 00:06:53: Our community has joined other cities from around the globe,  
00:06:53 --> 00:06:57: and we've declared a climate emergency and we've passed

resolutions  
 00:06:57 --> 00:07:00: that better align our actions with the science and what  
 00:07:00 --> 00:07:02: the data is telling us.  
 00:07:02 --> 00:07:04: We need to achieve. If we're going to be able  
 00:07:04 --> 00:07:08: to control in curb our rising temperatures around the globe.  
 00:07:08 --> 00:07:10: So we like the County cinema,  
 00:07:10 --> 00:07:12: have committed to being carbon neutral by 2030,  
 00:07:12 --> 00:07:15: and you'll see over the course of the next year  
 00:07:15 --> 00:07:19: that we're aligning our strategies with our Cpas climate  
 mobilization  
 00:07:19 --> 00:07:20: strategies.  
 00:07:20 --> 00:07:23: Including looking at carbon sequestration,  
 00:07:23 --> 00:07:26: we are really excited for these recommendations to come out  
 00:07:26 --> 00:07:29: and similar to the County we intend to use this  
 00:07:29 --> 00:07:32: plan with our new update for our general plan,  
 00:07:32 --> 00:07:35: as well as looking at our own climate action plans  
 00:07:35 --> 00:07:38: to update them to the most current data that we  
 00:07:38 --> 00:07:41: have as well as the best strategies that will give  
 00:07:41 --> 00:07:43: us the best bang for our Buck.  
 00:07:43 --> 00:07:46: I'm really appreciative of the work that's been done by  
 00:07:46 --> 00:07:47: the Urban Land Institute.  
 00:07:47 --> 00:07:50: I'm going to kick it over now to Molly McCabe  
 00:07:50 --> 00:07:51: who is.  
 00:07:51 --> 00:07:53: The chair for the panel and she's going to give  
 00:07:53 --> 00:07:56: us a quick overview of what the panel process was,  
 00:07:56 --> 00:07:58: how they arrived at their recommendations,  
 00:07:58 --> 00:08:00: and then she will introduce other folks from her team  
 00:08:00 --> 00:08:01: as well.  
 00:08:01 --> 00:08:03: Thank you, Molly.  
 00:08:03 --> 00:08:06: Thank you, mayor Rogers. Thank you,  
 00:08:06 --> 00:08:10: Supervisor Hopkins and Supervisor Gorin.  
 00:08:10 --> 00:08:12: Good morning everyone. My name is Molly McCabe.  
 00:08:12 --> 00:08:15: I'm the founder of a real estate and development,  
 00:08:15 --> 00:08:19: real estate development and advisory firm Hayden Tanner  
 and I'm  
 00:08:19 --> 00:08:22: also chair of this panel and for those of you  
 00:08:22 --> 00:08:23: who do know me,  
 00:08:23 --> 00:08:27: I also live in a wildfire prone area in Montana.  
 00:08:27 --> 00:08:29: On behalf of you Ally,  
 00:08:29 --> 00:08:33: it's urban resilience and advisory service programs,  
 00:08:33 --> 00:08:35: and in this team in particular,  
 00:08:35 --> 00:08:37: I want to say thank you.

00:08:37 --> 00:08:41: After so many efforts to bring this panel together that

00:08:41 --> 00:08:44: we have finally made it after multiple fire seasons and

00:08:44 --> 00:08:45: covid,

00:08:45 --> 00:08:48: I'll be at virtually is something just short of a

00:08:48 --> 00:08:49: miracle.

00:08:49 --> 00:08:52: It was a miracle engineered by a number of you

00:08:52 --> 00:08:54: at the County and the city,

00:08:54 --> 00:08:58: and with you Li. San Francisco Steering Committee who

00:08:58 --> 00:09:00: have

00:09:00 --> 00:09:04: kept his dream alive.

00:09:04 --> 00:09:05: And by the extraordinary team at our CPA Tonya Narath

00:09:05 --> 00:09:09: NBC Caps.

00:09:09 --> 00:09:12: Your ability to pivot and adapt over the past three

00:09:12 --> 00:09:16: years has truly been remarkable.

00:09:16 --> 00:09:18: The information you provided us gave us rich content and

00:09:18 --> 00:09:20: a wealth of data to work from.

00:09:20 --> 00:09:23: Next slide, please.

00:09:23 --> 00:09:26: Let me tell you a little bit about the Urban

00:09:26 --> 00:09:29: Land Institute and the Advisory Services Program in

00:09:29 --> 00:09:34: particular.

00:09:34 --> 00:09:37: You a lie is a multi disciplinary organization with about

00:09:37 --> 00:09:41: 45 thousand members worldwide.

00:09:41 --> 00:09:45: The organization is dedicated to its mission of creating

00:09:45 --> 00:09:50: vibrant,

00:09:50 --> 00:09:52: sustainable communities. One of the things that it does.

00:09:52 --> 00:09:54: To support transformative impact in communities worldwide

00:09:54 --> 00:09:57: is to conduct

00:09:57 --> 00:10:01: advisory services panels.

00:10:01 --> 00:10:03: In our current covid world,

00:10:03 --> 00:10:07: this panel is a virtual offering.

00:10:07 --> 00:10:08: We were expected to be there in person with you

00:10:08 --> 00:10:11: a year ago in March.

00:10:11 --> 00:10:12: The Advisory services program is now in its 73rd year

00:10:12 --> 00:10:13: and has done more than 700 panels on a broad

00:10:13 --> 00:10:16: range of issues.

00:10:16 --> 00:10:21: Next slide, please.

00:10:21 --> 00:10:22: This particular panel has leverage the expertise and research

00:10:22 --> 00:10:24: from

00:10:24 --> 00:10:28: 3 UI centers.

00:10:28 --> 00:10:31: In addition to advisory services,

00:10:31 --> 00:10:35: you Ally San Francisco, Natalie Sandoval in Casey Pond,

00:10:35 --> 00:10:38: the member steering committee, Rick Dishnica,

00:10:38 --> 00:10:41: Kljajic Dance and gym hide have been instrumental in

providing

**00:10:35 --> 00:10:39:** local on the ground knowledge for both the region and

**00:10:39 --> 00:10:39:** the state.

**00:10:39 --> 00:10:44:** In fact, ULI San Francisco recently finished a technical advisory

**00:10:44 --> 00:10:46:** panel in Pet Aluma.

**00:10:46 --> 00:10:48:** You allies urban Resilience program,

**00:10:48 --> 00:10:52:** led by Catherine Burgess. An Elizabeth Foster have brought exceptional

**00:10:52 --> 00:10:53:** expertise on original,

**00:10:53 --> 00:11:00:** resilient strategies worldwide. Urban resilience actually recently published the firebreak

**00:11:00 --> 00:11:00:** report,

**00:11:00 --> 00:11:04:** which speaks directly to wildfire risk and resilience.

**00:11:04 --> 00:11:06:** Next slide, please.

**00:11:09 --> 00:11:12:** So let me tell you a little bit about how

**00:11:12 --> 00:11:15:** our six day virtual panel shook out.

**00:11:15 --> 00:11:18:** In addition to today's presentation,

**00:11:18 --> 00:11:20:** you'll, I will provide a written,

**00:11:20 --> 00:11:25:** detailed set of recommendations which will be available in about

**00:11:25 --> 00:11:26:** 3 months.

**00:11:26 --> 00:11:30:** The goal for each advisory panel is to truly get

**00:11:30 --> 00:11:34:** a wide variety of inputs from as many and varied

**00:11:34 --> 00:11:36:** stakeholders as possible.

**00:11:36 --> 00:11:39:** With that, let me introduce our panel next slide,

**00:11:39 --> 00:11:40:** please.

**00:11:44 --> 00:11:47:** We have Jose Bodipo Memba who is the director of

**00:11:47 --> 00:11:52:** Sustainable Communities at the Sacramento Municipal Utility District.

**00:11:52 --> 00:11:56:** Christopher Kellett, director of real estate of the real estate

**00:11:56 --> 00:11:58:** development program at UC Berkeley.

**00:11:58 --> 00:12:03:** Jeremy Clemick at swa. An international landscape design firm.

**00:12:03 --> 00:12:07:** John Mackenberg from Harvard Business School.

**00:12:07 --> 00:12:11:** Molly Mowry from the community Wildfire planning center.

**00:12:11 --> 00:12:17:** Peter Quintanilla, urban design lead at Michael Baker architecture Deanna

**00:12:17 --> 00:12:17:** Ramirez.

**00:12:17 --> 00:12:21:** Director of Economic Development in Travis County in Austin,

**00:12:21 --> 00:12:26:** TX, and Neil Webb, director Ramboll Energy you will hear

**00:12:26 --> 00:12:26:** from these.

**00:12:26 --> 00:12:30:** This is my esteemed colleague shortly.

00:12:30 --> 00:12:33: So let me look at the next slide please.

00:12:33 --> 00:12:36: Let me talk you through the scope.

00:12:36 --> 00:12:39: Here is what we were tasked with looking at.

00:12:39 --> 00:12:44: What land use and development strategies can equitably address current

00:12:45 --> 00:12:49: wildfire risk and the predicted lengths of fire season and

00:12:49 --> 00:12:50: power shutoffs?

00:12:50 --> 00:12:54: How can we increase both the resilience and the reliability

00:12:54 --> 00:12:58: of the energy supply through the transition from fossil fuels

00:12:58 --> 00:13:00: to renewable electricity?

00:13:00 --> 00:13:04: How do we ensure investment decisions are both transparent and

00:13:04 --> 00:13:05: support equity?

00:13:05 --> 00:13:08: What are best practices in governance and funding?

00:13:08 --> 00:13:12: And what new revenue sources exist?

00:13:12 --> 00:13:15: Next slide, please.

00:13:15 --> 00:13:18: One of the things that is so important to any

00:13:18 --> 00:13:22: you Ally Advisory Service panel is getting input from the

00:13:22 --> 00:13:22: community.

00:13:22 --> 00:13:26: We interviewed more than 60 people from all over West

00:13:26 --> 00:13:27: County,

00:13:27 --> 00:13:31: North County, South County, and Santa Rosa housing

00:13:31 --> 00:13:32: advocates energy

00:13:31 --> 00:13:32: specialists.

00:13:32 --> 00:13:36: People in the tourism and vineyard industries.

00:13:36 --> 00:13:40: First responders electeds. Thank you to each one of you

00:13:40 --> 00:13:43: for sharing your insights with us.

00:13:43 --> 00:13:45: So Please.

00:13:48 --> 00:13:51: Before I turn it over to the panel.

00:13:51 --> 00:13:53: I will share three things.

00:13:53 --> 00:13:56: What did we hear from all 60 of you?

00:13:56 --> 00:13:59: I'm going to give you a little level set and

00:13:59 --> 00:14:02: then I'm going to let you know what's coming.

00:14:02 --> 00:14:05: So here's what we heard.

00:14:05 --> 00:14:07: Trauma.

00:14:07 --> 00:14:10: You are living with trauma.

00:14:10 --> 00:14:12: With your go bags your packed cars,

00:14:12 --> 00:14:16: your heightened response at the whiff of smoke.

00:14:16 --> 00:14:21: The word trauma in particular was mentioned in every single

00:14:21 --> 00:14:22: interview.

00:14:25 --> 00:14:27: But we also heard was the PSPS?

00:14:27 --> 00:14:30: Don't appear to be mitigating much risk actually,

00:14:30 --> 00:14:35: and what they're doing is wreaking havoc on your daily

00:14:35 --> 00:14:35: lives.

00:14:35 --> 00:14:39: Well, everyone we spoke to was in favor of carbon

00:14:39 --> 00:14:39: reduction.

00:14:39 --> 00:14:43: The concept of all electrification is a little scary,

00:14:43 --> 00:14:46: especially in light of the fires and the PSPS is.

00:14:48 --> 00:14:53: We also heard that home is where the heart is.

00:14:53 --> 00:14:54: And you definitely told us.

00:14:54 --> 00:14:56: Don't tell us we can't rebuild.

00:14:59 --> 00:15:00: Between the fires and covid,

00:15:00 --> 00:15:04: your economy is suffering. Those least able to withstand those

00:15:04 --> 00:15:06: shocks are most impacted.

00:15:06 --> 00:15:09: Your shop is closed because you have no power,

00:15:09 --> 00:15:12: then you're evacuated and you can't return for a couple

00:15:12 --> 00:15:12: of weeks.

00:15:12 --> 00:15:16: If you only have a few \$1000 in savings were

00:15:16 --> 00:15:17: wiped out.

00:15:17 --> 00:15:18: You believe in vegetation management,

00:15:18 --> 00:15:20: you just want to know how do you do it?

00:15:20 --> 00:15:22: Hardening is good, but again,

00:15:22 --> 00:15:24: who's going to do it and how do you do

00:15:24 --> 00:15:24: it?

00:15:24 --> 00:15:27: And finally, the housing situation is untenable,

00:15:27 --> 00:15:32: inequitable and increases your risk.

00:15:32 --> 00:15:34: Next slide, please.

00:15:34 --> 00:15:39: And here is. One message that also resonated loud and

00:15:39 --> 00:15:39: clear.

00:15:39 --> 00:15:43: You are one Sonoma.

00:15:43 --> 00:15:47: The region is powerful if you come together.

00:15:47 --> 00:15:50: And let's leverage your shared vision.

00:15:50 --> 00:15:53: So buildings and land remained physical assets.

00:15:53 --> 00:15:58: Fundamentally, they are framed in the context of community

00:15:59 --> 00:15:59: and

00:15:59 --> 00:16:00: region.

00:15:59 --> 00:16:00: Next slide, please.

00:16:05 --> 00:16:08: We also heard you call you call.

00:16:08 --> 00:16:12: You called a Confederation of Cities Hamlets,

00:16:12 --> 00:16:18: an unincorporated areas. And that each community within

00:16:18 --> 00:16:19: Sonoma County

00:16:18 --> 00:16:19: is unique.

00:16:19 --> 00:16:22: We took this to heart.

00:16:22 --> 00:16:25: These are the things. That framed the panels,

00:16:25 --> 00:16:29: eat those as we came to our recommendations and the

00:16:29 --> 00:16:33: definitions throughout that we use for resilience and equity first.

00:16:33 --> 00:16:37: We believe it is important to honor each community's essence,

00:16:37 --> 00:16:39: that which makes you fundamentally,

00:16:39 --> 00:16:43: who you are and at the same time we also

00:16:43 --> 00:16:45: believe you need to power.

00:16:45 --> 00:16:50: Harvest the power the region has when addressing these issues

00:16:50 --> 00:16:51: at scale.

00:16:51 --> 00:16:54: Resilience is not just going back to the way things

00:16:54 --> 00:16:54: were,

00:16:54 --> 00:16:58: but coming back stronger, not just bouncing back,

00:16:58 --> 00:17:00: but bouncing forward.

00:17:00 --> 00:17:03: We started with climate resilience as the frame.

00:17:03 --> 00:17:06: How do cities, buildings and communities be more prepared for

00:17:06 --> 00:17:08: the impacts of climate change?

00:17:10 --> 00:17:13: We defined equity as just an fair inclusion into a

00:17:13 --> 00:17:16: society in which all can participate,

00:17:16 --> 00:17:19: prosper and reach their full potential.

00:17:19 --> 00:17:25: And we recognize that wildfires are disproportionately impacting marginalized and

00:17:25 --> 00:17:27: otherwise disadvantaged communities.

00:17:27 --> 00:17:30: Considering age, socioeconomic status, race,

00:17:30 --> 00:17:34: immigration status, the language spoken.

00:17:34 --> 00:17:40: Access to technology and private vehicles and many other factors.

00:17:40 --> 00:17:42: So let me foreshadow what you're going to hear from

00:17:42 --> 00:17:43: my colleagues.

00:17:47 --> 00:17:52: The awareness, energy, and resources that communities bring to recovery

00:17:52 --> 00:17:56: from a painful and heart wrenching disaster can catalyze actions

00:17:56 --> 00:18:01: that contribute to broader objectives of livability and sustainability.

00:18:01 --> 00:18:04: The critical period in a disaster is within the first

00:18:04 --> 00:18:08: five days and there is strong competition for people and

00:18:08 --> 00:18:09: for resources.

00:18:09 --> 00:18:13: Each community is facing the same needs at the same

00:18:13 --> 00:18:13: time.

00:18:13 --> 00:18:19: Your community showed tremendous ingenuity and agility in responding to

00:18:19 --> 00:18:20: the 2017,

00:18:20 --> 00:18:23: 2019, and 2020 fires. But as a result,  
00:18:23 --> 00:18:27: your County and city Staffs have become first responders,  
00:18:27 --> 00:18:32: essentially emergency disaster coordinators. And they have  
continued to act  
00:18:32 --> 00:18:35: in that capacity well during their regular jobs.  
00:18:35 --> 00:18:40: Building resilience means planning and being prepared  
rather than living  
00:18:40 --> 00:18:43: in a constant state of crisis management.  
00:18:43 --> 00:18:46: Those communities that recognize the linkage become  
stronger,  
00:18:46 --> 00:18:50: more vibrant, and better able to withstand future events  
because  
00:18:50 --> 00:18:54: they've laid the groundwork for maintaining themselves as  
healthy,  
00:18:54 --> 00:18:56: functional, and self sufficient. Essentially,  
00:18:56 --> 00:18:59: they bounce forward.  
00:18:59 --> 00:19:01: What you'll hear from the panel,  
00:19:01 --> 00:19:03: you are one Sonoma regional coordination.  
00:19:03 --> 00:19:07: An shared vision is critical.  
00:19:07 --> 00:19:09: You cannot design against fire.  
00:19:09 --> 00:19:14: You have to design with Ironmind design with the natural  
00:19:14 --> 00:19:15: systems.  
00:19:15 --> 00:19:19: Think communitywide defensible space and buffer zones.  
00:19:19 --> 00:19:25: Incorporate fire conscious development and redevelopment  
in every project.  
00:19:25 --> 00:19:30: Hard and reduce exposure. Create redundancies in regional  
infrastructure.  
00:19:30 --> 00:19:34: Decentralize into smaller grids.  
00:19:34 --> 00:19:37: Like so many places you need housing.  
00:19:37 --> 00:19:41: However, your need is further constrained by the importance  
of  
00:19:41 --> 00:19:46: building in the context of wildfires and within Community  
defensible  
00:19:46 --> 00:19:46: space.  
00:19:46 --> 00:19:51: The panel believes you have to focus on infill development.  
00:19:51 --> 00:19:54: And continue to use the planning mechanisms in place to  
00:19:55 --> 00:19:59: prioritize and help the market deliver this type of product  
00:19:59 --> 00:20:01: in the appropriate location.  
00:20:01 --> 00:20:04: The form this will take in each community will be  
00:20:04 --> 00:20:05: contextual,  
00:20:05 --> 00:20:07: but that includes infill candidate.  
00:20:07 --> 00:20:11: This includes density. This is a wild fire issue,  
00:20:11 --> 00:20:15: a climate issue and an equity issue.  
00:20:15 --> 00:20:20: The panel recommends targeting funding regionally because

shared funding requests

00:20:20 --> 00:20:24: create regional synergies and financial efficiencies.

00:20:24 --> 00:20:27: Finally, we will share a tale of two scenarios.

00:20:27 --> 00:20:31: What happens when you accurately price the cost of inaction

00:20:31 --> 00:20:34: versus the value of proactive investment?

00:20:34 --> 00:20:36: And with that I'm going to hand it over to

00:20:37 --> 00:20:40: the panel and very specifically to Elizabeth Foster from utilizing

00:20:40 --> 00:20:44: Urban Resilience program and the primary author of the publication

00:20:44 --> 00:20:46: firebreak.

00:20:46 --> 00:20:50: Thank you. It's good to be with everybody today.

00:20:50 --> 00:20:51: I want to be clear.

00:20:51 --> 00:20:53: I'm a UI staff person,

00:20:53 --> 00:20:55: but I'm speaking on behalf of Molly Mowery,

00:20:55 --> 00:21:01: who's the executive director of the Community Wildfire Planning Center.

00:21:01 --> 00:21:04: Molly is an integral part of this UI panel team.

00:21:04 --> 00:21:06: She was part of all of the panel activities,

00:21:06 --> 00:21:10: including the stakeholder interviews last week.

00:21:10 --> 00:21:13: And unfortunately, Molly is not able to be with us

00:21:13 --> 00:21:16: today due to a family health emergency.

00:21:16 --> 00:21:19: So please keep Molly and her family in your thoughts

00:21:20 --> 00:21:23: and I will do my best to channel her nationally

00:21:23 --> 00:21:25: renowned wildfire expertise.

00:21:25 --> 00:21:27: So these are Molly slides,

00:21:27 --> 00:21:30: and these are Molly Mallory's talking points.

00:21:30 --> 00:21:36: So building from the panel's overarching recommendation to approach wildfire

00:21:36 --> 00:21:37: resilience.

00:21:37 --> 00:21:41: As one Sonoma, we begin with large scale Land Management

00:21:41 --> 00:21:44: and specifically with the Wildfire Urban Interface.

00:21:44 --> 00:21:48: So as a reminder, this term will be first cropped

00:21:48 --> 00:21:50: up in the early 1970s,

00:21:50 --> 00:21:54: when a physicist at Stanford Research Institute.

00:21:54 --> 00:21:58: Use the term to describe a situation related to Urban

00:21:58 --> 00:21:59: Development and wildfire,

00:21:59 --> 00:22:03: saying in its simplest terms the fire interfaces.

00:22:03 --> 00:22:07: Any point where the fuel feeding a wildfire changes from

00:22:07 --> 00:22:11: natural fuel to man-made or human made fuel.

00:22:11 --> 00:22:12: And for this to happen,

00:22:12 --> 00:22:16: wildland fire must be close enough for flying embers to

00:22:16 --> 00:22:19: contact the flammable parts of a structure.  
00:22:19 --> 00:22:20: Next slide.  
00:22:20 --> 00:22:22: And so, keeping that in mind,  
00:22:22 --> 00:22:26: the panel recommends that we still think about the movie  
00:22:26 --> 00:22:30: in similar terms as any developed area or conditions affecting  
00:22:30 --> 00:22:34: the combust ability of both natural and cultivated vegetation.  
00:22:34 --> 00:22:38: That's the wildland fuels as well as structures or  
infrastructure  
00:22:38 --> 00:22:41: the built fuels allow for the ignition and spread of  
00:22:41 --> 00:22:44: fire through the combined fuels.  
00:22:44 --> 00:22:45: And so, in other words,  
00:22:45 --> 00:22:48: the woolly is a combination of where the built and  
00:22:48 --> 00:22:52: natural environments interface and where wildfire consistent  
itself,  
00:22:52 --> 00:22:55: and so conceptually there will be is a set of  
00:22:55 --> 00:22:56: conditions.  
00:22:56 --> 00:22:58: It's the location of structures,  
00:22:58 --> 00:23:00: it's the type and quantity of vegetation.  
00:23:00 --> 00:23:03: It's the top of graphical features and this is really  
00:23:03 --> 00:23:07: important because it means there isn't just one type of  
00:23:07 --> 00:23:10: development or just one geographic location that is affected  
by  
00:23:10 --> 00:23:14: wildfire. And so while spatial analysis are helpful.  
00:23:14 --> 00:23:17: Sometimes they give us a sense that the Lewis is  
00:23:17 --> 00:23:20: limited to certain geographic locations and as a result that  
00:23:20 --> 00:23:23: can leave pockets of development that are not built to  
00:23:23 --> 00:23:28: some to the same standards as other areas formally  
considered  
00:23:28 --> 00:23:29: in the William.  
00:23:29 --> 00:23:32: And so moving forward. In conclusion,  
00:23:32 --> 00:23:35: the panel recommends that the County and city more boldly  
00:23:36 --> 00:23:39: envisioned the Willie and will flip to the next slide  
00:23:39 --> 00:23:39: here.  
00:23:39 --> 00:23:42: And the recommendation is that you more boldly think of  
00:23:42 --> 00:23:45: the movie as any area within the County that can  
00:23:45 --> 00:23:48: be subject to direct flames or embers.  
00:23:48 --> 00:23:51: In other words, that means all development.  
00:23:51 --> 00:23:55: And the panel's recommendation is that you adopt that  
mindset  
00:23:55 --> 00:23:58: because Embers can travel over a mile ahead of wildfires.  
00:23:58 --> 00:24:01: And we know that limiting the Willie to areas may  
00:24:01 --> 00:24:05: not empower everyone to build to the basic standards of  
00:24:05 --> 00:24:07: wildfire resilience.

00:24:07 --> 00:24:08: And so, as you re envisioned,  
00:24:08 --> 00:24:12: there will be. Support should account for new and existing  
00:24:12 --> 00:24:13: development.  
00:24:13 --> 00:24:17: And support should also take the form of technical assistance  
00:24:17 --> 00:24:21: and educational trainings for industry professionals and  
residents.  
00:24:21 --> 00:24:24: And so the panel makes this recommendation in order to  
00:24:24 --> 00:24:27: help you achieve the level of resilience that we heard  
00:24:27 --> 00:24:29: you all would like in the stakeholder interviews.  
00:24:29 --> 00:24:33: Think about all of your development and we acknowledge  
that,  
00:24:33 --> 00:24:36: of course there will be different levels of hazard across  
00:24:36 --> 00:24:40: the County and those different hazard levels could help  
prioritize  
00:24:40 --> 00:24:41: investments.  
00:24:41 --> 00:24:43: But consider having all of your built environment at a  
00:24:43 --> 00:24:45: minimum standard for wildfire resilience,  
00:24:45 --> 00:24:48: and we think that will help you achieve specifically your  
00:24:48 --> 00:24:49: wildfire,  
00:24:49 --> 00:24:52: your economic resilience goals. And Lastly,  
00:24:52 --> 00:24:55: we know that this is an expansion of your thinking.  
00:24:55 --> 00:24:58: We know that for another programs or policies it might  
00:24:58 --> 00:25:00: be a shift in thinking,  
00:25:00 --> 00:25:03: but Molly Mallory asked me to remind you that building  
00:25:03 --> 00:25:05: science is on your side.  
00:25:05 --> 00:25:07: And we know that there are ways to deal with  
00:25:07 --> 00:25:10: wildfire risk and to protect assets and homes.  
00:25:10 --> 00:25:13: And we know that there are ways to effectively plan  
00:25:13 --> 00:25:17: for wildfire risk and this recommendation to re envision the  
00:25:17 --> 00:25:19: Willy is based on that knowledge.  
00:25:19 --> 00:25:22: And so with that I will hand the virtual microphone  
00:25:22 --> 00:25:23: to my colleague Jeremy,  
00:25:23 --> 00:25:27: who will speak more specifically about some other  
recommendations for  
00:25:27 --> 00:25:29: large scale Land Management.  
00:25:29 --> 00:25:31: Jeremy, thank you very much,  
00:25:31 --> 00:25:33: Liz. Really happy to be here today and as a  
00:25:33 --> 00:25:35: landscape architect with Swa,  
00:25:35 --> 00:25:39: I've been introduced to a wide variety of projects that  
00:25:39 --> 00:25:41: deal with wildfire and land use.  
00:25:41 --> 00:25:44: Anne as a touchstone. What I'd like to touch first  
00:25:45 --> 00:25:46: on is the idea of healthy,  
00:25:46 --> 00:25:50: intact forest and sort of how we got to where

00:25:50 --> 00:25:51: we are today.

00:25:51 --> 00:25:54: So native old growth forests were almost considered.

00:25:54 --> 00:25:59: What would be fire resistant but historical natural burn cycle.

00:25:59 --> 00:26:03: However, ever since the 19 thirty 5:10 AM Forestry Service

00:26:03 --> 00:26:07: policy has changed to more of one of fire suppression

00:26:07 --> 00:26:11: and this overgrowth in the Duff layer and fuel management.

00:26:11 --> 00:26:15: Coupled with drought and bark beetle has really creased a

00:26:15 --> 00:26:16: lot of Deadwood.

00:26:16 --> 00:26:19: Deadwood and fuel increases the majority of our fires these

00:26:19 --> 00:26:21: days are now anthropogenic,

00:26:21 --> 00:26:23: which are human caused. However,

00:26:23 --> 00:26:26: the understanding of a difference between what is a low,

00:26:26 --> 00:26:30: frequent fire, which is more historical to the catastrophic fires

00:26:30 --> 00:26:31: that we suffer from nowadays,

00:26:31 --> 00:26:34: has really led to an increase in fire occurrence in

00:26:34 --> 00:26:37: the WUI and it's become a vicious cycle.

00:26:37 --> 00:26:40: Miss Management has started to equal Mega Fires next

00:26:44 --> 00:26:46: slide.

00:26:46 --> 00:26:49: So back to how we want to change our perception

00:26:49 --> 00:26:52: of what is a healthy or intact forest.

00:26:52 --> 00:26:56: This really starts with vegetation management and I can't

00:26:56 --> 00:26:57: stress

00:26:57 --> 00:27:00: enough how much healthy forcing practices will really equal

00:27:00 --> 00:27:04: resilience

00:27:04 --> 00:27:06: in this case.

00:27:06 --> 00:27:09: Whether it's promoting, prescribed burning,

00:27:09 --> 00:27:11: mechanical thinning, it's really understanding that fuel

00:27:11 --> 00:27:15: treatment is not

00:27:15 --> 00:27:16: to reduce the amount of fire,

00:27:16 --> 00:27:20: but the severity of the fires that you experience.

00:27:20 --> 00:27:23: Introduction of fire tolerant species.

00:27:23 --> 00:27:26: An essential trip thinning of tree stands will encourage

00:27:26 --> 00:27:29: stronger

00:27:29 --> 00:27:30: growth within your force,

00:27:30 --> 00:27:33: creating that. Old forest growth that used to exist.

00:27:33 --> 00:27:36: There's also the ideas where you can innovate and

00:27:36 --> 00:27:39: incentivize

00:27:39 --> 00:27:42: forest products fund these fuel mitigation procedures,

00:27:42 --> 00:27:45: but this also really dovetails in to the overall urban

00:27:45 --> 00:27:48: forest management as well.

00:27:48 --> 00:27:51: It's not just your force that's outside your borders,

00:27:51 --> 00:27:54: but eventually, especially as we're encouraging infill,

00:27:54 --> 00:27:57: we want to make sure you think about proper urban

00:27:39 --> 00:27:40: forest management,  
00:27:40 --> 00:27:43: which will help mitigate heat island effect and take care  
00:27:43 --> 00:27:45: of the force within your borders.  
00:27:45 --> 00:27:46: Next slide.  
00:27:48 --> 00:27:52: So really, what we're all starting to experience in California,  
00:27:52 --> 00:27:54: and I live in Los Angeles and a lot of  
00:27:54 --> 00:27:57: my colleagues live in saw Salido an SF Laguna.  
00:27:57 --> 00:27:59: We've all seen the fires,  
00:27:59 --> 00:28:02: and we're really starting to understand what living with fire  
00:28:02 --> 00:28:03: means,  
00:28:03 --> 00:28:05: and there's a lot of fire science out there.  
00:28:05 --> 00:28:07: I mean, there's Maps, Maps,  
00:28:07 --> 00:28:10: and more Maps, right? But what we want to work  
00:28:10 --> 00:28:13: towards and what we've heard from our constituents as well  
00:28:13 --> 00:28:16: as our interviewees is work towards kind of a Holy  
00:28:16 --> 00:28:18: Grail of a wildfire action plan.  
00:28:18 --> 00:28:21: Really, a singular map. That's going to help the public  
00:28:21 --> 00:28:25: and the general people understand how they can live with  
00:28:25 --> 00:28:25: fire.  
00:28:25 --> 00:28:27: What is it that they're supposed to do?  
00:28:27 --> 00:28:30: And this map really needs to integrate vegetation typology as  
00:28:30 --> 00:28:32: well as growth factors,  
00:28:32 --> 00:28:34: as well as land use as well as your fire  
00:28:34 --> 00:28:35: severity zones.  
00:28:35 --> 00:28:37: How do all of these things combine into sort of  
00:28:37 --> 00:28:39: this Holy Grail map now?  
00:28:39 --> 00:28:42: There's also been information out there and the idea of  
00:28:42 --> 00:28:44: creating Maps specifically for firefighters,  
00:28:44 --> 00:28:47: especially those that are coming from out of town.  
00:28:47 --> 00:28:49: Let's say Los Angeles up to the North.  
00:28:49 --> 00:28:52: Where are the robes? Where are the hydrants,  
00:28:52 --> 00:28:55: where the water sources? These type of Maps could become  
00:28:55 --> 00:28:57: crucial in a crisis situation.  
00:28:57 --> 00:28:57: Next slide.  
00:29:00 --> 00:29:01: So we've got two different ideas.  
00:29:01 --> 00:29:03: I'm going to local and regional,  
00:29:03 --> 00:29:07: so looking at the local landscape resilience relationship,  
00:29:07 --> 00:29:10: we want to build and rebuild with fire Fire Protection  
00:29:10 --> 00:29:10: plans.  
00:29:10 --> 00:29:12: You want to increase defensible space.  
00:29:12 --> 00:29:15: We want to look at increasing the turgid areas.  
00:29:15 --> 00:29:17: What you see off on the right hand side is

00:29:17 --> 00:29:18: an example.

00:29:18 --> 00:29:22: Anna built form where there's really irrigated orchards or high

00:29:22 --> 00:29:23: firebreaks zones,

00:29:23 --> 00:29:25: as well as native vegetation of fuel loads.

00:29:25 --> 00:29:28: Thinning, anticipating where the fires are coming from.

00:29:28 --> 00:29:31: We want to make sure roads for emergency access and.

00:29:31 --> 00:29:34: Egress are provided. There's ideas of home hardening,

00:29:34 --> 00:29:37: fire resistant materials, Amber spreading,

00:29:37 --> 00:29:40: suppression with irrigation outside. That's not to stop the fire,

00:29:40 --> 00:29:43: but to stop the fire from spreading and prepare.

00:29:43 --> 00:29:46: And we really look to the Copes or the Citizens

00:29:46 --> 00:29:50: Organizer prepare for emergencies as they really understand what their

00:29:50 --> 00:29:54: local communities need and they should be very intricately involved,

00:29:54 --> 00:29:57: not just in their local but within the regional.

00:29:57 --> 00:30:01: And of course, studying existing and proposed California precedence for

00:30:01 --> 00:30:01: listed here.

00:30:01 --> 00:30:04: Of which there are a multitude.

00:30:04 --> 00:30:06: Next

00:30:06 --> 00:30:10: finally, our recommendation coming from this panel is really living

00:30:10 --> 00:30:13: with fire as a regional thought process,

00:30:13 --> 00:30:14: fire is a natural system.

00:30:14 --> 00:30:17: It knows no borders, so creating one Vision,

00:30:17 --> 00:30:20: 1 Sonoma and Co. Creation for all the communities is

00:30:20 --> 00:30:23: really going to involve investment and implementation.

00:30:23 --> 00:30:27: Get people invested, get people to understand that they are

00:30:27 --> 00:30:28: part of this process,

00:30:28 --> 00:30:30: but it can't really just be Sonoma County.

00:30:30 --> 00:30:34: You need to be cooperating with your adjacent counties as well.

00:30:34 --> 00:30:34: Really talk about establishing wildfire buffer zones.

00:30:34 --> 00:30:37: And protective corridors and you can put the animals to

00:30:37 --> 00:30:41: work.

00:30:41 --> 00:30:43: She, goats, cows, Beavers, birds,

00:30:43 --> 00:30:45: they'll they'll do a lot for you,

00:30:45 --> 00:30:47: but when it comes down to it,

00:30:47 --> 00:30:49: the encouraging people to cooperate.

00:30:49 --> 00:30:52: Whether it's public, private or nonprofit,

00:30:52 --> 00:30:55: and getting everyone all at the table together is gonna

00:30:55 --> 00:30:57: be what makes Sonoma or resilient place.

00:30:57 --> 00:31:00: And with that I'd like to pass it off to  
00:31:00 --> 00:31:03: Neil to talk about energy infrastructure.  
00:31:03 --> 00:31:06: Great thank you. Thank you Jeremy and as we turn  
00:31:06 --> 00:31:09: the page to energy Assurance and an energy resilience,  
00:31:09 --> 00:31:12: I'd have to sort of say that regrettably,  
00:31:12 --> 00:31:15: I'm getting involved more and more on these projects,  
00:31:15 --> 00:31:18: and I've seen quite an uptick in in the last  
00:31:18 --> 00:31:19: five years.  
00:31:19 --> 00:31:23: We've had some phenomenal engagement with people that  
are truly  
00:31:23 --> 00:31:24: invested in the community,  
00:31:24 --> 00:31:27: and energy resilience really comes down to a lot of  
00:31:27 --> 00:31:29: the principles of good process,  
00:31:29 --> 00:31:32: right? And then I put the representation not here,  
00:31:32 --> 00:31:35: because these are many of the things that we.  
00:31:35 --> 00:31:38: We heard back and reflected upon from the folks that  
00:31:38 --> 00:31:41: we had met with an an one key point here  
00:31:41 --> 00:31:44: is that we're always learning in this process.  
00:31:44 --> 00:31:46: This is not just a linear process,  
00:31:46 --> 00:31:48: that sort of ends with execution.  
00:31:48 --> 00:31:51: Unfortunately, you're facing these threats.  
00:31:51 --> 00:31:54: You're learning new things, so it's really key to sort  
00:31:54 --> 00:31:57: of stay in these lanes of understanding and how to  
00:31:57 --> 00:31:59: assess the vulnerabilities.  
00:31:59 --> 00:32:04: What's changing. How are we assessing our response and  
communicating  
00:32:04 --> 00:32:05: across the community?  
00:32:05 --> 00:32:09: In real time, the next piece is really about planning  
00:32:09 --> 00:32:12: and how we set our priorities for the most impactful  
00:32:12 --> 00:32:14: things we can do right now,  
00:32:14 --> 00:32:17: and some of that's in the context of when we're  
00:32:17 --> 00:32:18: doing them.  
00:32:18 --> 00:32:21: Is it before in preparation of fire?  
00:32:21 --> 00:32:24: Is it during the actual events and what do we  
00:32:24 --> 00:32:27: do after from an energy perspective?  
00:32:27 --> 00:32:31: Flexibility is key. There is a great deal of solutions  
00:32:31 --> 00:32:33: that are being developed out.  
00:32:33 --> 00:32:37: Emerging technologies. New equipment that helps mitigate  
many of the  
00:32:37 --> 00:32:41: risks that the systems are facing and how we actually  
00:32:41 --> 00:32:43: manage them in real time.  
00:32:43 --> 00:32:46: So it's really critical that we start working along those  
00:32:46 --> 00:32:49: lines with our partners in the Community,

00:32:49 --> 00:32:52: but also with our utility.

00:32:52 --> 00:32:55: Finally, execution. We met a lot of champions.

00:32:55 --> 00:32:59: Finding more champions is always valuable in terms of your

00:32:59 --> 00:32:59: execution,

00:32:59 --> 00:33:04: so it's fundamental to have really good articulated structures

00:33:04 --> 00:33:04: in

00:33:04 --> 00:33:06: place,

00:33:06 --> 00:33:09: and some level of centralization,

00:33:09 --> 00:33:12: because there is a lot of funding and we'll talk

00:33:12 --> 00:33:14: a little bit more about that later here in our

00:33:14 --> 00:33:17: in our slide deck.

00:33:17 --> 00:33:20: But being able to be cohesive in terms of your

00:33:20 --> 00:33:23: execution in the solutions you envision is critical,

00:33:23 --> 00:33:23: so I'd like to turn the slide and put a

00:33:23 --> 00:33:26: map up.

00:33:26 --> 00:33:30: Staying on Jeremy's team a little bit here,

00:33:30 --> 00:33:30: this is the map of the major infrastructure for Sonoma

00:33:30 --> 00:33:34: County.

00:33:34 --> 00:33:38: The yellow lines represent in many ways the the high

00:33:38 --> 00:33:42: voltage transmission corridors that end up being interrupted.

00:33:42 --> 00:33:46: Often, the little white boxes are substations where we

00:33:46 --> 00:33:50: distribute

00:33:50 --> 00:33:54: to the local communities and the little icons that are

00:33:54 --> 00:33:56: scattered about here and there are solar and other power

00:33:56 --> 00:34:00: or energy resources. One thing this critical is an observation

00:34:00 --> 00:34:01: here is that you have a lot of power that

00:34:01 --> 00:34:05: bring being brought in from outside of the County into

00:34:05 --> 00:34:08: the County.

00:34:08 --> 00:34:09: You're really not a net producer and you're not producing

00:34:09 --> 00:34:12: energy through resources that you have incumbent in your

00:34:12 --> 00:34:16: on

00:34:16 --> 00:34:19: your own footprint.

00:34:19 --> 00:34:23: Very much so. So some of the highlights and things

00:34:23 --> 00:34:25: that have been mentioned both in our interviews but is,

00:34:25 --> 00:34:30: as you read, a lot of the solutions coming around.

00:34:30 --> 00:34:32: Energy resiliency is reassessing moving the resources closer

00:34:32 --> 00:34:34: to the

00:34:34 --> 00:34:38: people that are using the energy.

00:34:38 --> 00:34:42: How can you compartmentalize and sexualized and actually

00:34:42 --> 00:34:46: manage grids

00:34:46 --> 00:34:50: on a smaller scale in a local community?

00:34:50 --> 00:34:54: And that's microgrids as an example,

00:34:54 --> 00:34:58: but also assessing the resources you have available to

actually  
00:34:38 --> 00:34:39: generate electricity.  
00:34:39 --> 00:34:42: Whether that's new renewable concepts,  
00:34:42 --> 00:34:45: the advent of new types of storage technology,  
00:34:45 --> 00:34:48: and even hydrogen when it becomes available in more of  
00:34:48 --> 00:34:49: a commercial fashion,  
00:34:49 --> 00:34:53: those are going to give you more resiliency foundations to  
00:34:53 --> 00:34:56: start thinking locali an acting locally.  
00:34:56 --> 00:35:00: From a resiliency perspective, you can turn the page again  
00:35:01 --> 00:35:01: please.  
00:35:01 --> 00:35:06: So. It's really key to when we start thinking about  
00:35:06 --> 00:35:10: this whole overall planning concept is that.  
00:35:10 --> 00:35:14: Existing infrastructure should not be simply replaced in kind,  
00:35:14 --> 00:35:16: but ultimately be future, focused,  
00:35:16 --> 00:35:20: flexible and we don't want to start rebuilding things that  
00:35:20 --> 00:35:23: impair our future energy transition ambitions.  
00:35:23 --> 00:35:26: A number of these were the questions that were asked  
00:35:26 --> 00:35:30: through through our discussions and in some of them are  
00:35:30 --> 00:35:34: hypothetical and some were meant to sort of start being  
00:35:34 --> 00:35:37: evocative of thoughts that could be put into play in  
00:35:38 --> 00:35:39: the community.  
00:35:39 --> 00:35:42: Trying to really work hard at getting yourself to think  
00:35:43 --> 00:35:47: independently about how you support yourselves as a  
community through  
00:35:47 --> 00:35:52: the resilient options that are being developed more and  
more,  
00:35:52 --> 00:35:56: and certainly with electrification transportation.  
00:35:56 --> 00:35:58: There's going to be new opportunities,  
00:35:58 --> 00:36:00: but also new challenges and so,  
00:36:00 --> 00:36:03: thinking in how we incorporate that is really critical as  
00:36:03 --> 00:36:05: well as part of the process.  
00:36:05 --> 00:36:09: And to turn the slide one more last time here.  
00:36:09 --> 00:36:12: And we put a number of examples just to try  
00:36:12 --> 00:36:15: to try to articulate the whole idea of microgrids,  
00:36:15 --> 00:36:18: the localization of benefits to those that are out there.  
00:36:18 --> 00:36:21: And with this I'll try to turn the slide deck  
00:36:21 --> 00:36:22: over to Jose.  
00:36:24 --> 00:36:27: Thank you Neal and again just want to build off  
00:36:27 --> 00:36:30: of the the question about why regional the regional approach  
00:36:30 --> 00:36:30: is so important.  
00:36:30 --> 00:36:34: It's imperative that the energy resilience strategy is  
addressed from  
00:36:34 --> 00:36:37: a regional perspective for many of the reasons listed here

00:36:37 --> 00:36:38: on this slide,  
00:36:38 --> 00:36:40: but we want to make sure where to find the  
00:36:40 --> 00:36:41: reason we're talking,  
00:36:41 --> 00:36:44: not just geographically, but demographically and culturally,  
00:36:44 --> 00:36:46: and ensure that there's buying across the board,  
00:36:46 --> 00:36:49: and so we really see this as an opportunity right  
00:36:49 --> 00:36:52: now to leverage the collaborative resilience strategy to  
strengthen the  
00:36:53 --> 00:36:53: entire region.  
00:36:53 --> 00:36:56: It's really make sure. And was brought aboard from an  
00:36:56 --> 00:36:57: economic standpoint,  
00:36:57 --> 00:37:01: creating more inclusive economy with green jobs looking at  
environmental  
00:37:01 --> 00:37:03: conditions that improve their quality,  
00:37:03 --> 00:37:07: particularly underserved populations. Really leveraging  
misses an opportunity provide improved  
00:37:08 --> 00:37:08: equity,  
00:37:08 --> 00:37:12: environmental justice and inclusion, creating new innovation  
opportunities that really  
00:37:12 --> 00:37:14: create new centers of economic growth.  
00:37:14 --> 00:37:16: Even in some of our more rural areas.  
00:37:16 --> 00:37:18: And Lastly, reducing wildfire risk,  
00:37:18 --> 00:37:21: which is one of the bigger impacts related to climate  
00:37:21 --> 00:37:22: change that you've been facing.  
00:37:22 --> 00:37:25: The Great News is that our CPA has really done  
00:37:25 --> 00:37:26: a great job in getting.  
00:37:26 --> 00:37:29: Buying from all the cities with the cinema climate mobilization  
00:37:29 --> 00:37:30: strategy.  
00:37:30 --> 00:37:33: But the opportunity challenge that we see is how this  
00:37:33 --> 00:37:35: is an accounting created space for real,  
00:37:35 --> 00:37:40: equitable adoption and opportunities, and buying that doesn't  
create economic  
00:37:40 --> 00:37:43: stratifications in terms of adoption of some of this freezing  
00:37:43 --> 00:37:44: technology.  
00:37:44 --> 00:37:47: So next slide please.  
00:37:47 --> 00:37:49: So we see this as an opportunity to really put  
00:37:49 --> 00:37:53: together a plan for a resilient future that works today  
00:37:53 --> 00:37:56: under the current conditions as mentioned before by Jeremy  
and  
00:37:56 --> 00:37:59: by meal with things important to me,  
00:37:59 --> 00:38:02: communities where they are in leveraged partnerships may  
of whom  
00:38:02 --> 00:38:05: we heard from this week to really expand the impact.

00:38:05 --> 00:38:09: So we've identified 6 steps to really clarify the need  
00:38:09 --> 00:38:10: for this resilient future.  
00:38:10 --> 00:38:14: Right now. The first step is really based in education,  
00:38:14 --> 00:38:18: ensuring that communities really understand the what in the  
wide.  
00:38:18 --> 00:38:21: Behind this energy resilience priority is great to have.  
00:38:21 --> 00:38:23: Buying from the political perspective,  
00:38:23 --> 00:38:24: but we need to get on the ground.  
00:38:24 --> 00:38:26: We need to make sure we close the miss in  
00:38:26 --> 00:38:29: the facts and bring those together and make sure that  
00:38:29 --> 00:38:32: we align with the hierarchy of needs within the Community.  
00:38:32 --> 00:38:35: And this has to be done at a multilingual and  
00:38:35 --> 00:38:38: multimedia level to make sure that everyone is involved in  
00:38:38 --> 00:38:41: the process and really focusing on things like Bill burden  
00:38:41 --> 00:38:44: to reuse some of those scares those fears associated with  
00:38:44 --> 00:38:45: all electric future we want.  
00:38:45 --> 00:38:48: Again build on this regional alignment approach.  
00:38:48 --> 00:38:49: But it's beyond just our CPA.  
00:38:49 --> 00:38:52: We want to make sure that the agency alignment includes  
00:38:52 --> 00:38:55: every agency involved as mentioned before by Jeremy,  
00:38:55 --> 00:38:58: and also focusing on community group alignment in buying  
into  
00:38:58 --> 00:38:59: the process.  
00:38:59 --> 00:39:01: We have some best practices we can share in that  
00:39:01 --> 00:39:01: space.  
00:39:01 --> 00:39:05: We also want online infrastructure improvement so we can  
take  
00:39:05 --> 00:39:06: a look at transportation,  
00:39:06 --> 00:39:09: network improvements and improvements at the same time,  
00:39:09 --> 00:39:12: reducing stresses and cost. We want to make sure this  
00:39:12 --> 00:39:14: is an opportunity to look at new jobs and create  
00:39:14 --> 00:39:17: an equitable job pipeline that helps bring up some of  
00:39:17 --> 00:39:19: the lowest on the economic scale.  
00:39:19 --> 00:39:22: Up into the future and there's many trade careers in  
00:39:22 --> 00:39:25: these spaces that really help close that gap.  
00:39:25 --> 00:39:29: We want to apply sustainable Community strategy to this  
infrastructure.  
00:39:29 --> 00:39:32: Improving process and this is really holistic sustainability,  
00:39:32 --> 00:39:35: environmental, health, social, economic and social,  
00:39:35 --> 00:39:38: cultural, technological and in public policy and leveraging the  
US  
00:39:38 --> 00:39:41: EPA's enhancing sustainable communities.  
00:39:41 --> 00:39:44: Green Infrastructure guidance report can help you do that.

00:39:44 --> 00:39:46: And then Lastly, we really want to make sure that  
00:39:46 --> 00:39:50: we're leveraging funding streams and we'll talk a lot more  
00:39:50 --> 00:39:51: about those trains.  
00:39:51 --> 00:39:52: But between the pijani funds,  
00:39:52 --> 00:39:54: federal funds and state funds,  
00:39:54 --> 00:39:57: there's a lot of opportunities to really build up this  
00:39:57 --> 00:39:59: regional approach.  
00:39:59 --> 00:40:00: And then Lastly we want to innovate.  
00:40:00 --> 00:40:03: And Neil did a great job opportunities and not just  
00:40:03 --> 00:40:05: take advantage of what's available now.  
00:40:05 --> 00:40:07: But what will be available in the future.  
00:40:07 --> 00:40:10: We do not want to accept the status quo.  
00:40:10 --> 00:40:11: Next slide, please.  
00:40:13 --> 00:40:16: One of the things we heard in our interviews is  
00:40:16 --> 00:40:17: a part of this.  
00:40:17 --> 00:40:19: New normal is the impact of power shut offs in  
00:40:19 --> 00:40:21: the overall process of dealing with energy.  
00:40:21 --> 00:40:24: Resilience is created. A lot of extra burdens to all  
00:40:24 --> 00:40:26: of the regions within Sonoma County,  
00:40:26 --> 00:40:29: so we really think there needs to be a regional  
00:40:29 --> 00:40:32: partnership approach and that partnership again has to  
expand beyond  
00:40:32 --> 00:40:33: just the agencies,  
00:40:33 --> 00:40:37: but incorporate businesses, nonprofits and specifically PG  
and E as  
00:40:37 --> 00:40:39: they play a major role in this process.  
00:40:39 --> 00:40:40: How do we rebuild that?  
00:40:40 --> 00:40:43: Trust will be key in the success of this process.  
00:40:43 --> 00:40:46: So we really want to make sure is focused around  
00:40:46 --> 00:40:48: three key points communicating online,  
00:40:48 --> 00:40:50: making sure there's commonality in Brazilian schools.  
00:40:50 --> 00:40:53: Make sure that lead time issue was addressed on a  
00:40:53 --> 00:40:55: consistent basis across board for PSPS events.  
00:40:55 --> 00:40:59: Aligning technical experts to find common solutions and  
making sure  
00:40:59 --> 00:41:02: that the evacuation process are coordinated across the  
region.  
00:41:02 --> 00:41:04: We want to make sure there's collaboration,  
00:41:04 --> 00:41:08: coordination related to undergrounding veg management and  
regional funding.  
00:41:08 --> 00:41:11: And Lastly one ticket. Look at innovation across the board  
00:41:11 --> 00:41:12: in the next day.  
00:41:12 --> 00:41:15: I'll go a little bit more in depth into.

00:41:15 --> 00:41:16: Next slide, please.

00:41:18 --> 00:41:21: We really want to make sure there's something you can

00:41:21 --> 00:41:23: do in the very near term.

00:41:23 --> 00:41:26: The first call to action is really looking at how

00:41:26 --> 00:41:28: do we establish real communication strategy,

00:41:28 --> 00:41:32: alignment strategy and leveraging set strategy across the board?

00:41:32 --> 00:41:36: How we incorporate all groups in that process in the

00:41:36 --> 00:41:37: near term?

00:41:37 --> 00:41:39: Secondly, in the midterm one,

00:41:39 --> 00:41:42: make sure there's really equitable approach in terms of how

00:41:42 --> 00:41:44: we look at regional resilience policy development,

00:41:44 --> 00:41:47: an overall language equity, and last term.

00:41:47 --> 00:41:49: We really want to take a look at how we

00:41:49 --> 00:41:52: can look at innovation and apply those disabled Community principles

00:41:52 --> 00:41:55: in addition to the wildfire barriers that we address across

00:41:55 --> 00:41:58: the board. And there's some great examples,

00:41:58 --> 00:42:01: and some of them actually shared here as well.

00:42:01 --> 00:42:03: I'm happy to answer questions afterwards,

00:42:03 --> 00:42:07: but now I'd like to pass on to my colleague

00:42:07 --> 00:42:08: at the Army Ramirez.

00:42:08 --> 00:42:11: Exerce I appreciate it. So now we shift over to

00:42:11 --> 00:42:15: Sonoma governance and what you'll see throughout all.

00:42:15 --> 00:42:18: Whole presentation is a lot of the same types of

00:42:18 --> 00:42:21: recommendations floating to the top.

00:42:21 --> 00:42:24: We spent the last week reading your strategic plans,

00:42:24 --> 00:42:27: your general plans, emergency response plans,

00:42:27 --> 00:42:31: climate action plans, workforce development plans,

00:42:31 --> 00:42:35: adopted budgets. It's an amazing level of work being done

00:42:35 --> 00:42:38: and it's clear you already know much of what you

00:42:38 --> 00:42:39: need to do.

00:42:39 --> 00:42:42: It's the implementation that's so difficult.

00:42:42 --> 00:42:46: So after interviewing stakeholders, we identified three key insights that

00:42:46 --> 00:42:49: may be helpful to you as you work on equitable

00:42:49 --> 00:42:51: and resilient governance.

00:42:51 --> 00:42:54: As we've mentioned before, you need Champions to help you

00:42:54 --> 00:42:58: make the paradigm shifts to get beyond disaster response to

00:42:58 --> 00:43:00: prevention and equitable recovery,

00:43:00 --> 00:43:03: and you need those champions to come from every sector,

00:43:03 --> 00:43:07: can't just be elected officials pulling all the weight.

00:43:07 --> 00:43:10: You need everyone pulling together regionally,  
00:43:10 --> 00:43:13: not just government and special districts,  
00:43:13 --> 00:43:19: but also community, educational, philanthropic and business  
and private sectors.

00:43:19 --> 00:43:23: By aligning your planning, funding and actions,  
00:43:23 --> 00:43:28: a regional consortiums total impact often exceeds the sum of  
00:43:28 --> 00:43:28: its part.  
00:43:28 --> 00:43:31: As Molly said at the beginning.  
00:43:31 --> 00:43:33: 1 Sonoma.  
00:43:33 --> 00:43:35: Keep the sense of urgency.  
00:43:35 --> 00:43:39: Fire season is right around the corner and the risk  
00:43:39 --> 00:43:44: is not decreasing and everyone's exhausted and anxious.  
00:43:44 --> 00:43:48: So three recommendations for actions you can take before  
the  
00:43:48 --> 00:43:51: next fire season to build resilience in your system of  
00:43:51 --> 00:43:55: governance includes we don't already have them establish  
mutual aid  
00:43:55 --> 00:44:00: and Inter local agreements. These are helpful because you  
put  
00:44:00 --> 00:44:01: everything down on paper.  
00:44:01 --> 00:44:05: Each party understands its role in emergency response,  
00:44:05 --> 00:44:09: preparedness and recovery work. Each party commits to  
funding its  
00:44:09 --> 00:44:13: share of the activities and seeking federal reimbursement for  
specific  
00:44:14 --> 00:44:14: costs.  
00:44:14 --> 00:44:17: And each entity can focus on doing what they do  
00:44:17 --> 00:44:17: best,  
00:44:17 --> 00:44:21: what's in their wheelhouse? Then you can pre position  
contracts  
00:44:22 --> 00:44:24: with non profit and local business partners.  
00:44:24 --> 00:44:28: This allows governmental funding to be dispersed in a more  
00:44:28 --> 00:44:30: timely manner and more equitably.  
00:44:30 --> 00:44:33: You take the time now to pick your partners to  
00:44:33 --> 00:44:36: ensure broad coverage of the response.  
00:44:36 --> 00:44:39: And finally, invest in your regional groups are CPA and  
00:44:39 --> 00:44:40: Fire safe?  
00:44:40 --> 00:44:44: Sonoma are two critical regional organizations with the sole  
purpose  
00:44:44 --> 00:44:47: of addressing climate risk and wildfire risk,  
00:44:47 --> 00:44:51: respectively. They have very small budgets.  
00:44:51 --> 00:44:54: Now is the time to invest in those organizations,  
00:44:54 --> 00:44:57: and if you have concerns about effectiveness,  
00:44:57 --> 00:45:02: use the funding opportunity via an interlocal agreement to

establish

**00:45:02 --> 00:45:03:** metrics for outcomes.

**00:45:03 --> 00:45:07:** Next slide, please. So something we heard from our interviews

**00:45:07 --> 00:45:11:** is that folks don't understand where the funding is going.

**00:45:11 --> 00:45:13:** So to get by buying and build trust,

**00:45:13 --> 00:45:16:** we recommend that you enhance transparency in funding.

**00:45:16 --> 00:45:20:** I was able to noodle around various websites and find

**00:45:20 --> 00:45:20:** information,

**00:45:20 --> 00:45:23:** for example on how the PG and E settlement funds

**00:45:23 --> 00:45:25:** are being allocated,

**00:45:25 --> 00:45:28:** but your community members don't have the time to do

**00:45:28 --> 00:45:28:** the research.

**00:45:28 --> 00:45:31:** You need to make it easy for them to see

**00:45:31 --> 00:45:33:** where you're spending money,

**00:45:33 --> 00:45:35:** how much is left, and why it hasn't all been

**00:45:36 --> 00:45:36:** spent already.

**00:45:36 --> 00:45:39:** You need to tell the story.

**00:45:39 --> 00:45:43:** Original approach also helps you leverage funding funding in the

**00:45:43 --> 00:45:45:** hundreds of millions of dollars.

**00:45:45 --> 00:45:48:** Sounds like a lot, but it really isn't given the

**00:45:48 --> 00:45:50:** magnitude of the issues.

**00:45:50 --> 00:45:54:** So aligning funding sources and leveraging them to obtain more

**00:45:54 --> 00:45:54:** federal,

**00:45:54 --> 00:45:58:** state, and private funding will help you do more quicker.

**00:45:58 --> 00:46:02:** The chart on the screen shows some funding sources you

**00:46:02 --> 00:46:06:** have in hand or will soon sources that have been

**00:46:06 --> 00:46:10:** requested and sources that may be coming down the road.

**00:46:10 --> 00:46:13:** Such a listing may be helpful to the regional partners

**00:46:13 --> 00:46:17:** in prioritizing what funding to pursue and prepare for allocating

**00:46:17 --> 00:46:20:** and expanding funding that may be coming at you.

**00:46:20 --> 00:46:23:** And I say, add you because the ARPA funding the

**00:46:23 --> 00:46:27:** American Rescue Plan Act funding going to be disbursed next

**00:46:27 --> 00:46:28:** month,

**00:46:28 --> 00:46:29:** and it's a lot of money.

**00:46:29 --> 00:46:33:** You also want to be respond responsive with your funding,

**00:46:33 --> 00:46:38:** allocations and expenditures and not leave an impression that there

**00:46:38 --> 00:46:39:** is no urgency.

00:46:39 --> 00:46:40: Next slide, please.

00:46:42 --> 00:46:45: Now I'd like to switch over to another issue we've

00:46:45 --> 00:46:46: heard a lot about,

00:46:46 --> 00:46:49: which is housing especially affordable housing.

00:46:49 --> 00:46:54: We believe that building affordable housing builds resilience in your

00:46:54 --> 00:46:55: community.

00:46:55 --> 00:46:59: We also believe that most people don't understand that affordable

00:46:59 --> 00:47:01: housing serves your neighbors,

00:47:01 --> 00:47:05: employees and coworkers, and your first responders.

00:47:05 --> 00:47:09: We pulled some data from the draft local workforce development

00:47:09 --> 00:47:13: plan to highlight how affordable housing would benefit people that

00:47:14 --> 00:47:16: provide critical services in the community.

00:47:16 --> 00:47:21: For example, a paramedic's median salary in Sonoma County is

00:47:21 --> 00:47:21: \$34,496.

00:47:21 --> 00:47:26: That qualifies them As for affordable housing and puts them

00:47:26 --> 00:47:30: in a very low income band and which is less

00:47:30 --> 00:47:31: than 50%

00:47:31 --> 00:47:34: of Sonoma County's area median income.

00:47:34 --> 00:47:39: Uhm? Being able to keep these critical service providers in

00:47:39 --> 00:47:43: your community will make you more resilient,

00:47:43 --> 00:47:47: so affordable housing is meaningful.

00:47:47 --> 00:47:50: My colleague Chris Collett will do a deeper dive on

00:47:50 --> 00:47:53: housing development and opportunities for urban infill,

00:47:53 --> 00:47:53: Chris.

00:47:58 --> 00:48:01: Thank you Deanna in my work as an architect and

00:48:01 --> 00:48:02: real estate developer.

00:48:02 --> 00:48:07: I'm passionate about supporting equitable housing production and so I

00:48:07 --> 00:48:09: love this topic working with you.

00:48:09 --> 00:48:12: This panel we really do admire the wisdom of the

00:48:12 --> 00:48:16: counties discrete growth boundaries for its cities and small towns,

00:48:16 --> 00:48:19: which create a sense of place being either in the

00:48:19 --> 00:48:21: city or out in the open space.

00:48:21 --> 00:48:25: And this framework works perfectly with the concept of promoting

00:48:25 --> 00:48:26: and developing.

00:48:26 --> 00:48:28: Infill housing in Sonoma County.

00:48:28 --> 00:48:30: Next slide please.

00:48:32 --> 00:48:36: The case for this County to pursue infill housing development is easily made.

00:48:36 --> 00:48:38:

00:48:38 --> 00:48:41: It it makes sense to build within the growth boundaries to preserve your open spaces.

00:48:41 --> 00:48:43:

00:48:43 --> 00:48:47: It can produce an extraordinary amount of much needed housing.

00:48:47 --> 00:48:50: It creates more vibrant, walkable,

00:48:50 --> 00:48:54: safe neighborhoods and businesses need this housing to thrive.

00:48:54 --> 00:48:58: And most importantly, housing is key to addressing issues of equity throughout the County.

00:48:58 --> 00:49:00:

00:49:00 --> 00:49:04: So where do we propose that you build infill?

00:49:04 --> 00:49:10: In the downtown core and in your neighborhood blocks next.

00:49:10 --> 00:49:13: Please. Thank you. You already have a number of good plans and policies in place which promote downtown density in

00:49:13 --> 00:49:17:

00:49:17 --> 00:49:22: support of transit oriented development and we recommend densities like

00:49:22 --> 00:49:24: those displayed in this 5 /

00:49:24 --> 00:49:28: 1 podium mixed income apartment building in the Corps of Santa Rosa and Pet Aluma.

00:49:29 --> 00:49:30:

00:49:30 --> 00:49:33: Next please.

00:49:33 --> 00:49:36: In these places you also have some vital historic buildings which can be leveraged into live work lofts and housing through the use of other people's money in the form of state and federal tax credit funding.

00:49:37 --> 00:49:40:

00:49:40 --> 00:49:43:

00:49:43 --> 00:49:47:

00:49:47 --> 00:49:47: Next please.

00:49:49 --> 00:49:54: Parking parking parking is often set to drive housing development.

00:49:54 --> 00:49:58: Don't let it. We provide some suggestions for what is working in municipalities around the country through one reduced parking

00:49:58 --> 00:50:03:

00:50:03 --> 00:50:07: requirements to sharing your existing parking facilities.

00:50:07 --> 00:50:11: Three, you must wrap new parking structures with buildings and

00:50:11 --> 00:50:15: also for the construction of possibly city funded reservoir parking

00:50:16 --> 00:50:17: garage garages,

00:50:17 --> 00:50:21: which might serve several projects all at once.

00:50:21 --> 00:50:25: And finally, transit oriented development does not work without improved

00:50:25 --> 00:50:25: transit,

00:50:25 --> 00:50:29: so you must continue to invest and improve your transit service throughout the County.

00:50:29 --> 00:50:31:

00:50:31 --> 00:50:33: Next please.

00:50:33 --> 00:50:37: There's plenty of room for new infill housing in your

00:50:37 --> 00:50:38: existing neighborhood.

00:50:38 --> 00:50:42: Block structures, often described as missing middle housing.

00:50:42 --> 00:50:45: Here are some examples of duplexes and fourplexes in

00:50:45 --> 00:50:48: Portland,

00:50:45 --> 00:50:48: which Quinn tuple the density and allows for a more

00:50:49 --> 00:50:53: mixed income population to coexist in the city without

00:50:53 --> 00:50:55: overpowering

00:50:53 --> 00:50:55: the character of the neighborhood.

00:50:55 --> 00:50:55: Next please.

00:50:57 --> 00:51:01: What I refer to as the Sky's falling phenomenon missing

00:51:01 --> 00:51:05: middle housing can substantially increase neighborhood

00:51:05 --> 00:51:11: densities,

00:51:05 --> 00:51:11: while while present presenting a thoroughly appropriate St

00:51:11 --> 00:51:12: frontage.

00:51:11 --> 00:51:12: Next please.

00:51:14 --> 00:51:18: And whole new infill subdivisions can be achieved in

00:51:19 --> 00:51:21: redeveloped

00:51:19 --> 00:51:21: lands within the growth boundaries,

00:51:21 --> 00:51:26: and these are particularly well suited to affordable and

00:51:26 --> 00:51:28: workforce

00:51:26 --> 00:51:28: housing products.

00:51:28 --> 00:51:30: Next please.

00:51:30 --> 00:51:33: You've been doing an excellent job producing 80 years,

00:51:33 --> 00:51:36: particularly after the Tubbs Fire,

00:51:36 --> 00:51:39: and we encourage you to continue to promote and enable

00:51:39 --> 00:51:41: these as much as possible moving forward.

00:51:43 --> 00:51:44: Next

00:51:46 --> 00:51:49: and more help is on the way in your smaller

00:51:49 --> 00:51:54: towns and Hamlets where the introduction of appropriately

00:51:54 --> 00:51:55: Scaled Bungalow

00:51:54 --> 00:51:55: Court apartments,

00:51:55 --> 00:51:59: for instance, can help these places pull their own weight

00:51:59 --> 00:52:00: with new infill housing,

00:52:00 --> 00:52:04: and particularly if you lift restrictive annual unit limits which

00:52:04 --> 00:52:07: really do not make much sense right now,

00:52:07 --> 00:52:11: any housing crisis. Next please.

00:52:11 --> 00:52:14: And this is just another example of actually a single

00:52:14 --> 00:52:18: family infill product which produces four times densities in the

00:52:18 --> 00:52:20: form of a cottage compound,

00:52:20 --> 00:52:25: again also perfectly appropriate for the delicate character of

00:52:25 --> 00:52:27: your

00:52:25 --> 00:52:27: small towns and Hamlets.

00:52:27 --> 00:52:29: Next

00:52:29 --> 00:52:33: to conclude, it is very important to protect what you

00:52:33 --> 00:52:37: already have and Harden existing structures in at risk areas

00:52:37 --> 00:52:42: and several people we interviewed champion a County housing bond

00:52:42 --> 00:52:45: to do just that. Let me emphasize that this a

00:52:45 --> 00:52:49: housing but could help bridge the gap for you to

00:52:49 --> 00:52:53: qualify for competitive state low income housing tax credits which

00:52:53 --> 00:52:58: would fund and finally produce much more housing affordable housing

00:52:59 --> 00:53:00: than you presently do.

00:53:00 --> 00:53:03: Since every new unit of housing built is a step

00:53:03 --> 00:53:07: towards delivering on the county's goal to become the most equitable place it can be for all people.

00:53:07 --> 00:53:10: Thank you, I now would like to pass you along

00:53:10 --> 00:53:13: to my colleague Peter Kentenia.

00:53:13 --> 00:53:15: Thank you, Christopher and hello everyone and in the work

00:53:15 --> 00:53:18: that we do on Michael Baker International.

00:53:18 --> 00:53:21: We work with a lot of communities to try to

00:53:21 --> 00:53:23: figure out things and how is it that their community

00:53:23 --> 00:53:26: could could could thrive.

00:53:26 --> 00:53:27: And I think you know first of all,

00:53:27 --> 00:53:29: you are one Sonoma. You are unique,

00:53:29 --> 00:53:31: you are different. You are known around the world and

00:53:31 --> 00:53:34: so when you're building houses you know affordable housing,

00:53:34 --> 00:53:37: you know you need to keep a couple things in

00:53:37 --> 00:53:40: mind.

00:53:40 --> 00:53:42: First of all, the essence of your place,

00:53:42 --> 00:53:46: you think apologies or building types that are context sensitive.

00:53:46 --> 00:53:49: Minimize the parking requirement and add some of the settlement

00:53:49 --> 00:53:50: flavor.

00:53:50 --> 00:53:52: Next slide please. And so we're going to just look

00:53:52 --> 00:53:54: at a couple of those ideas.

00:53:54 --> 00:53:54: Next slide.

00:53:58 --> 00:54:00: Thank you, we're going to look at a couple of

00:54:00 --> 00:54:02: those ideas and one of them is how is it

00:54:02 --> 00:54:05: that they apply specifically to your place used to Sonoma,

00:54:05 --> 00:54:06: and in this case Anna Rosa?

00:54:06 --> 00:54:08: You have the urban context,

00:54:08 --> 00:54:10: but then you have the urban two context and then  
00:54:10 --> 00:54:13: you could even have the suburban context next slide please.  
00:54:13 --> 00:54:15: And what we mean by that is you could actually  
00:54:15 --> 00:54:17: have a really high density type of unit,  
00:54:17 --> 00:54:20: but as in the case here that I'm showing you,  
00:54:20 --> 00:54:22: this is an example where it's actually in Tustin,  
00:54:22 --> 00:54:23: so it is a build unit,  
00:54:23 --> 00:54:26: but you could actually add the cinnamon flavor of the  
00:54:26 --> 00:54:29: type of roofing that you need the colors but also.  
00:54:29 --> 00:54:31: I had a lot of more greenery so that it  
00:54:31 --> 00:54:32: feels like a real place are very,  
00:54:32 --> 00:54:35: very close to it, but you can see that this  
00:54:35 --> 00:54:36: is actually a very dense unit,  
00:54:36 --> 00:54:39: but yet it still keeps it at three story high,  
00:54:39 --> 00:54:42: so it's actually very, very compatible with your community.  
00:54:42 --> 00:54:44: Next slide, please. And the other idea,  
00:54:44 --> 00:54:46: for example, is one that is less dense.  
00:54:46 --> 00:54:48: In this case, you know this has 12 units,  
00:54:48 --> 00:54:49: but is still quite dense.  
00:54:49 --> 00:54:52: Actually, for in comparison to all the units next slide,  
00:54:52 --> 00:54:55: please. And finally, what is it that we would look  
00:54:55 --> 00:54:57: if you were outside of of the city of the  
00:54:57 --> 00:54:58: city center?  
00:54:58 --> 00:55:00: You know, in the hamlet typology you have one.  
00:55:00 --> 00:55:03: Units that are much more with that could actually be  
00:55:03 --> 00:55:04: built into little incremental pieces,  
00:55:04 --> 00:55:07: like in this case, there's some Louisville baseball example.  
00:55:07 --> 00:55:10: Next slide, please. So those are some of the ideas  
00:55:10 --> 00:55:13: that you could start looking at when you're looking at  
00:55:13 --> 00:55:14: affordable housing,  
00:55:14 --> 00:55:16: but you're also a leader.  
00:55:16 --> 00:55:18: You know, Sonoma County is a leader in terms of  
00:55:18 --> 00:55:21: innovation and insert in terms of sustainability.  
00:55:21 --> 00:55:24: Next light please, and one of the things that you  
00:55:24 --> 00:55:26: need to look at is some of some of the  
00:55:26 --> 00:55:26: sections.  
00:55:26 --> 00:55:29: Some of your standards that you have next light please,  
00:55:29 --> 00:55:32: which in this case it is the right away in  
00:55:32 --> 00:55:33: what you have an right now.  
00:55:33 --> 00:55:36: In some cases you're rebuilding with a 33 foot right  
00:55:36 --> 00:55:39: away curb to curb dimension which next light please.  
00:55:39 --> 00:55:42: You could actually go ahead and rethink that into having

00:55:42 --> 00:55:43: more of a rain garden.  
00:55:43 --> 00:55:45: For example. Next slide, please.  
00:55:45 --> 00:55:47: And sorry, I'm saying it next likely so many times,  
00:55:47 --> 00:55:49: but that's just the nature here.  
00:55:49 --> 00:55:52: But you know, this rain garden actually starts to bring  
00:55:52 --> 00:55:53: down the heat island effect.  
00:55:53 --> 00:55:55: Less asphalt equals cooler places,  
00:55:55 --> 00:55:58: more rain garden equals more cooler places.  
00:55:58 --> 00:55:59: Replace the trees with mature trees,  
00:55:59 --> 00:56:02: not those little tiny little Home Depot ones,  
00:56:02 --> 00:56:04: but it's something that is actually bacon.  
00:56:04 --> 00:56:07: Nicean actually gives you love shades that you need right  
00:56:07 --> 00:56:07: away.  
00:56:07 --> 00:56:10: Next light please. But more importantly,  
00:56:10 --> 00:56:11: also think about the colors.  
00:56:11 --> 00:56:14: You know roof colors are very important because if you  
00:56:14 --> 00:56:17: have a light tone color it actually reflects up heat  
00:56:17 --> 00:56:19: better than a dark tone color roof.  
00:56:19 --> 00:56:21: So that's something to keep in mind.  
00:56:21 --> 00:56:24: Next slide. And the other thing is,  
00:56:24 --> 00:56:26: you know you guys are nature,  
00:56:26 --> 00:56:29: you guys. Sonoma County is known for being all about  
00:56:29 --> 00:56:29: nature.  
00:56:29 --> 00:56:32: Learn to live with nature and actually be part of  
00:56:32 --> 00:56:32: nature.  
00:56:32 --> 00:56:35: Next slide and so one of the things that we  
00:56:35 --> 00:56:36: looked at is well,  
00:56:36 --> 00:56:37: what, how, how can you.  
00:56:37 --> 00:56:40: How can you build with nature and I think that  
00:56:40 --> 00:56:43: this goes back to something that Jeremy mentioned not so  
00:56:43 --> 00:56:44: long ago.  
00:56:44 --> 00:56:47: Next light which is actually creating a trail system around  
00:56:47 --> 00:56:51: your communities and this troll system could actually be  
00:56:51 --> 00:56:51: managed  
00:56:51 --> 00:56:51: very nicely.  
00:56:51 --> 00:56:53: Bye bye bye animals so.  
00:56:53 --> 00:56:54: Next, slide and with that.  
00:56:54 --> 00:56:57: Actually I would like to introduce what we talked about  
00:56:57 --> 00:57:00: and we call it the fire Brigade Protection Brigade.  
00:57:00 --> 00:57:02: You know which is composed of the cow,  
00:57:02 --> 00:57:04: the Beaver, the sheep in and the goat,  
00:57:04 --> 00:57:08: next slide and each one of them actually have a

00:57:08 --> 00:57:11: role to play and their role is very simple.  
00:57:11 --> 00:57:13: And this is exactly what we heard from your community.  
00:57:13 --> 00:57:16: So this is not something that we imported from someplace  
00:57:16 --> 00:57:16: else.  
00:57:16 --> 00:57:19: But first of all, if you do create this really  
00:57:19 --> 00:57:21: nice firebreak fire buffer around your community,  
00:57:21 --> 00:57:24: this buffer, which could be anywhere from like 600 to  
00:57:24 --> 00:57:24: 1000 feet,  
00:57:24 --> 00:57:26: that's really wide. But you know,  
00:57:26 --> 00:57:29: imagine if in this buffer you have a fantastic trail  
00:57:29 --> 00:57:30: system for bicyclist to go around.  
00:57:30 --> 00:57:33: Your tourist would be able to come around and look  
00:57:33 --> 00:57:34: at your place.  
00:57:34 --> 00:57:36: You also can start having edible gardens.  
00:57:36 --> 00:57:38: You could have you start growing trees that are higher  
00:57:39 --> 00:57:39: off the ground,  
00:57:39 --> 00:57:41: which we heard that it's very important.  
00:57:41 --> 00:57:43: For that, for, for, for,  
00:57:43 --> 00:57:45: for Fire Protection, but then allows the cows to down  
00:57:45 --> 00:57:46: in the bottom,  
00:57:46 --> 00:57:49: and start eating up all the little shrubs and things  
00:57:49 --> 00:57:51: that that create the fire issues.  
00:57:51 --> 00:57:54: Sheeps actually work very well with that type of topography,  
00:57:54 --> 00:57:56: but the goats is important because they go up on  
00:57:57 --> 00:57:59: the Hill and so they could take start clearing a  
00:57:59 --> 00:58:00: lot of the Hills.  
00:58:00 --> 00:58:03: But the other thing which we heard which is really  
00:58:03 --> 00:58:06: interesting and fantastic is Beavers are really good friends in  
00:58:06 --> 00:58:09: terms of building the dams on your creeks that allows  
00:58:09 --> 00:58:11: the water to actually create a little reservoir.  
00:58:11 --> 00:58:14: And actually maintain the area nice and moist,  
00:58:14 --> 00:58:16: which helps again with the fire.  
00:58:16 --> 00:58:18: So this is the idea of bringing this by brigade  
00:58:18 --> 00:58:21: as a small little system that could actually help help  
00:58:21 --> 00:58:22: your community.  
00:58:22 --> 00:58:24: And I think John my colleague is going to talk  
00:58:24 --> 00:58:26: a little bit more about the financial,  
00:58:26 --> 00:58:29: but even this is a model that could work with  
00:58:29 --> 00:58:30: the financial aspect,  
00:58:30 --> 00:58:30: John.  
00:58:33 --> 00:58:36: Thank you Pedro, that's really inspirational.  
00:58:36 --> 00:58:38: I love these ideas, so of course everybody is thinking

00:58:38 --> 00:58:40: how do we pay for this and how do we  
00:58:40 --> 00:58:42: think about 1 Sonoma together?  
00:58:42 --> 00:58:44: So we set out to do a financial analysis of  
00:58:44 --> 00:58:45: two scenarios.  
00:58:45 --> 00:58:47: One is business as usual and the other is how  
00:58:47 --> 00:58:50: do we compare this to investing in resilience?  
00:58:50 --> 00:58:53: So as you've heard, the county's many shared objectives and  
00:58:53 --> 00:58:55: there are lots of ways to accomplish them.  
00:58:55 --> 00:58:57: They include several of these items that we tried to  
00:58:58 --> 00:58:59: illustrate in the model.  
00:58:59 --> 00:59:01: Like how do we achieve Peace of Mind?  
00:59:01 --> 00:59:02: How do we think about open space?  
00:59:02 --> 00:59:05: Ultra multi industry economy jobs.  
00:59:05 --> 00:59:08: Clean energy water and what are the perils that that  
00:59:08 --> 00:59:10: threaten all these things well?  
00:59:10 --> 00:59:13: They're pretty obvious wildfire Terrot River flooding,  
00:59:13 --> 00:59:16: so how can we think about these scenarios and how  
00:59:16 --> 00:59:18: to avoid costs in the future?  
00:59:18 --> 00:59:21: Who pays the costs? Who captures the benefits?  
00:59:21 --> 00:59:24: Next slide, please.  
00:59:24 --> 00:59:26: So the idea here is to look at two different  
00:59:26 --> 00:59:29: detailed projections of growth rates along the two paths.  
00:59:29 --> 00:59:33: One is loosely organized anatomized business as usual as  
00:59:33 --> 00:59:37: compared  
00:59:37 --> 00:59:38: to granted idealized coherent Federation working with a plan  
00:59:38 --> 00:59:42: towards  
00:59:42 --> 00:59:43: shared objectives,  
00:59:43 --> 00:59:46: sourcing funds together, investing them together in a benefit  
00:59:46 --> 00:59:48: cost  
00:59:48 --> 00:59:52: ranked project pipeline.  
00:59:52 --> 00:59:54: So you can think about different rates of growth with  
00:59:54 --> 00:59:56: business as usual and different,  
00:59:56 --> 00:59:57: create spreitzer growth, investing together in resilience,  
00:59:57 --> 01:00:00: and that's what we mapped out here.  
01:00:00 --> 01:00:00: Next slide, please.  
01:00:00 --> 01:00:03: So this was the spreadsheet.  
01:00:03 --> 01:00:04: Looks like we're not going to draw you through every  
01:00:04 --> 01:00:06: cell today.  
01:00:06 --> 01:00:06: You can look at this for minimal resistance or for  
01:00:06 --> 01:00:09: excellent resilience,  
01:00:09 --> 01:00:09: and we will share this slide and leave it with  
01:00:09 --> 01:00:09: you.  
01:00:09 --> 01:00:09: The main learnings follow for those of you who are

01:00:09 --> 01:00:09: finance types,  
01:00:09 --> 01:00:12: it's a discounted cash flow with the net present value  
01:00:12 --> 01:00:12: at 5%.  
01:00:12 --> 01:00:14: Next slide, please.  
01:00:14 --> 01:00:15: So what do we learn?  
01:00:15 --> 01:00:19: One is that without substantial upfront investment in  
resilience and  
01:00:20 --> 01:00:20: prevention,  
01:00:20 --> 01:00:24: the costs of recovery and rebuilding will continue to escalate.  
01:00:24 --> 01:00:27: That's on the left. You're already spending on average in  
01:00:27 --> 01:00:29: the County 2 to \$3 billion a year.  
01:00:29 --> 01:00:32: If you level out the \$10 billion in 2017,  
01:00:32 --> 01:00:35: this is going to get worse unless intervention happens.  
01:00:35 --> 01:00:38: That's the orange line going up over the next 30  
01:00:38 --> 01:00:38: years.  
01:00:38 --> 01:00:41: On the other hand, making a collective investment,  
01:00:41 --> 01:00:45: resilience and prevention reduces the rebuilding costs.  
01:00:45 --> 01:00:47: And you can see the total cost here is like  
01:00:47 --> 01:00:50: a billion 5 per year instead of 5 billion per  
01:00:50 --> 01:00:51: year.  
01:00:51 --> 01:00:54: These are routes that are choices or routes that you  
01:00:54 --> 01:00:55: have to take going forward.  
01:00:55 --> 01:00:57: Next slide, please.  
01:00:59 --> 01:01:02: We also show here in our model looking at different  
01:01:02 --> 01:01:05: growth rates is that in the excellent resilience scenario,  
01:01:05 --> 01:01:09: soon the Coalition, the Confederation invests more upfront to  
protect  
01:01:09 --> 01:01:12: than it spends after the fact to rebuild.  
01:01:12 --> 01:01:16: This is creating new value rather than replacing destroyed  
value,  
01:01:16 --> 01:01:19: and both amounts are a lot smaller than the norm  
01:01:19 --> 01:01:20: resilience outline next please.  
01:01:23 --> 01:01:25: From a green space POV without coordinated investment,  
01:01:25 --> 01:01:27: that green space is going to go away,  
01:01:27 --> 01:01:30: there will be sprawl. Things will be taken over.  
01:01:30 --> 01:01:33: The space will decline precipitously on the left with  
coordinated  
01:01:33 --> 01:01:33: investment.  
01:01:33 --> 01:01:36: Greenspace can grow, fires can be averted,  
01:01:36 --> 01:01:37: scarce resources like water, energy,  
01:01:37 --> 01:01:40: housing, free flowing roads can be conserved.  
01:01:40 --> 01:01:43: That's what shows on the right with an excellent investment  
01:01:43 --> 01:01:43: in resilience,

01:01:43 --> 01:01:46: we're trying to show what with what without next slide,  
01:01:46 --> 01:01:48: please.  
01:01:48 --> 01:01:50: So from a pure money point of view,  
01:01:50 --> 01:01:52: we're thinking about some other issues,  
01:01:52 --> 01:01:53: notably the provision of housing,  
01:01:53 --> 01:01:56: encouragement of job growth, avoiding catastrophe,  
01:01:56 --> 01:01:58: and improving Peace of Mind leads to a virtuous cycle,  
01:01:58 --> 01:02:00: including tax and a few receipts.  
01:02:00 --> 01:02:02: So you can see on the left municipal revenue.  
01:02:02 --> 01:02:05: Right now, your initial revenues in the County,  
01:02:05 --> 01:02:07: or about a billion 7 based on the budget,  
01:02:07 --> 01:02:09: those could go up, and also the gross regional product  
01:02:09 --> 01:02:10: which product,  
01:02:10 --> 01:02:12: which right now is about 27 billion.  
01:02:12 --> 01:02:14: This will go up very slowly if people are leaving  
01:02:14 --> 01:02:16: the County worried about fires,  
01:02:16 --> 01:02:17: it can go up quite a bit quicker.  
01:02:17 --> 01:02:19: If everybody works on this together.  
01:02:19 --> 01:02:21: And establish this virtuous self,  
01:02:21 --> 01:02:25: reinforcing positive loop. Or it can default to a negative  
01:02:25 --> 01:02:27: and downward spiral of decline.  
01:02:27 --> 01:02:29: Next slide, please.  
01:02:31 --> 01:02:35: Housing, jobs resilience fire prevention Anna vibrant multi  
industry model  
01:02:35 --> 01:02:36: are related.  
01:02:36 --> 01:02:39: Indiana talked about this in great length and we've all  
01:02:39 --> 01:02:41: said you know housing is resilience.  
01:02:41 --> 01:02:44: So as fire prevention. So in the minimal investment scenario  
01:02:44 --> 01:02:46: you see this gap and in fact you're losing jobs  
01:02:46 --> 01:02:48: right now in the County.  
01:02:48 --> 01:02:50: So the green line is the job growth.  
01:02:50 --> 01:02:53: It's negative right now. The housing growth is very slow  
01:02:53 --> 01:02:56: with an investment in resilience and prevention including  
housing.  
01:02:56 --> 01:02:59: The housing grows including these mid level jobs like  
medical  
01:02:59 --> 01:03:00: technicians and.  
01:03:00 --> 01:03:04: And firemen and they grow together in a multi industry  
01:03:04 --> 01:03:09: economy that doesn't just rely on tourism in hospitals can  
01:03:09 --> 01:03:11: result next slide please.  
01:03:11 --> 01:03:14: So there are lots of ways to think about coherently  
01:03:14 --> 01:03:15: spending this money.  
01:03:15 --> 01:03:18: Deanna talked about seeking the money together because a

planned

01:03:18 --> 01:03:19: ask.

01:03:19 --> 01:03:22: This ambitious raises more money than atomize small asks,

01:03:22 --> 01:03:25: and then it's possible to think about it looking at

01:03:25 --> 01:03:28: cumulative benefit from projects that build on each other and

01:03:28 --> 01:03:30: every environment is different.

01:03:30 --> 01:03:33: Whether it's Santa Rosa or a town like Healdsburg or

01:03:33 --> 01:03:34: rural area or industrial,

01:03:34 --> 01:03:37: and you can see on the left where are many.

01:03:37 --> 01:03:40: Recommendations are around hardening vegetation

01:03:40 --> 01:03:43: management,

01:03:43 --> 01:03:46: public transit, local energy. All these tie into the choices

01:03:46 --> 01:03:47: in our coherent spending plan that helps the County to

01:03:47 --> 01:03:49: grow together.

01:03:49 --> 01:03:51: Next slide, please.

01:03:51 --> 01:03:52: So the idea for next week would be billed the

01:03:52 --> 01:03:53: blended sources of funds.

01:03:53 --> 01:03:55: How we going to chase down this money together with

01:03:55 --> 01:03:57: a big ambitious asset ties together?

01:03:57 --> 01:03:59: How are we going to use the funds?

01:03:59 --> 01:04:01: Are going to prove out the baseline numbers and the

01:04:01 --> 01:04:02: growth rates are going to tune the spreadsheet.

01:04:02 --> 01:04:04: 'cause we did this based on the inputs that we

01:04:04 --> 01:04:06: got at hand.

01:04:06 --> 01:04:07: Follow the money. Everybody's in this together.

01:04:07 --> 01:04:09: Everybody wants the same long term outcomes in the

01:04:09 --> 01:04:12: County

01:04:12 --> 01:04:13: as an organized,

01:04:13 --> 01:04:16: organized coalition. We can effectively raise funding from a

01:04:16 --> 01:04:19: lot

01:04:19 --> 01:04:20: of sources and use the money well against a list

01:04:20 --> 01:04:23: of projects that benefits.

01:04:23 --> 01:04:26: Everybody, so to think more about the action steps tomorrow,

01:04:26 --> 01:04:26: I'm happy to turn the floor back to our chair,

01:04:26 --> 01:04:26: McCabe.

01:04:29 --> 01:04:31: Thank you John, really appreciate it.

01:04:31 --> 01:04:33: Great job panel.

01:04:33 --> 01:04:37: So. First off, I want to encourage everyone to put

01:04:37 --> 01:04:41: some additional questions in the Q&A and we will answer

01:04:41 --> 01:04:41: those live.

01:04:41 --> 01:04:44: So while I'm sort of wrapping this up,

01:04:44 --> 01:04:47: you know it's easy to give you policy ideas.

01:04:47 --> 01:04:50: But as Diana said, it's the implementation that's hard and

01:04:50 --> 01:04:51: it is you,  
01:04:51 --> 01:04:53: allies, you allies, advisory services,  
01:04:53 --> 01:04:56: tradition, and commitment to give you specific,  
01:04:56 --> 01:05:00: actionable items, especially some that you can start on right  
01:05:00 --> 01:05:02: away in a typical panel,  
01:05:02 --> 01:05:04: we would be delivering this on a Friday.  
01:05:04 --> 01:05:07: And hence we would say this is what you should  
01:05:07 --> 01:05:09: do Monday morning.  
01:05:09 --> 01:05:11: But of course, since this is a Wednesday,  
01:05:11 --> 01:05:13: we won't say that. However,  
01:05:13 --> 01:05:18: we have made recommendations that are in the PowerPoint  
presentation  
01:05:18 --> 01:05:22: on land use and development for wildfire resilience.  
01:05:22 --> 01:05:25: Next slide, please.  
01:05:25 --> 01:05:29: For energy resilience.  
01:05:29 --> 01:05:35: For housing access, next slide an for governance an  
partnerships.  
01:05:35 --> 01:05:38: So I know we flip through those really quickly and  
01:05:38 --> 01:05:39: I apologize,  
01:05:39 --> 01:05:41: but I want to make sure we have some time  
01:05:41 --> 01:05:42: for questions,  
01:05:42 --> 01:05:45: so we will leave you with this presentation.  
01:05:45 --> 01:05:48: It will be posted on the Urban Land Institute website  
01:05:49 --> 01:05:51: as well as the our CPA website.  
01:05:51 --> 01:05:54: And I just really want to commend the County and  
01:05:54 --> 01:05:57: the city and the community and our CPA and so  
01:05:57 --> 01:05:59: many other organizations,  
01:05:59 --> 01:06:02: nonprofits, an groups throughout Sonoma County.  
01:06:02 --> 01:06:04: You are already doing so much.  
01:06:04 --> 01:06:08: You have gone so far and beyond so many places,  
01:06:08 --> 01:06:10: and I suspect us because you are now.  
01:06:10 --> 01:06:12: I think one of the quotes was,  
01:06:12 --> 01:06:16: you know, we've gotten really good at responding to crisis,  
01:06:16 --> 01:06:18: so.  
01:06:18 --> 01:06:21: Let me move on to the Q&A and again put  
01:06:21 --> 01:06:24: those questions in the chat and we'll answer as many  
01:06:24 --> 01:06:25: as we can.  
01:06:25 --> 01:06:28: So with that we have quite a number of them.  
01:06:28 --> 01:06:30: Let me start with with I think.  
01:06:30 --> 01:06:33: Let's see, I think having maybe Jose,  
01:06:33 --> 01:06:36: maybe Neil can answer this question first.  
01:06:36 --> 01:06:41: What role can Sonoma Clean Power play in the energy  
01:06:41 --> 01:06:42: resilience effort?

01:06:42 --> 01:06:44: I can start off indefinitely.

01:06:44 --> 01:06:46: Neil jump in I think so clean power plays a

01:06:46 --> 01:06:49: major role in Angie resilience conversation.

01:06:49 --> 01:06:51: I think one of the things we talked about is

01:06:51 --> 01:06:52: this partnership approach.

01:06:52 --> 01:06:55: Is that it does require the conglomeration of a number

01:06:55 --> 01:06:58: of different parties when we talked about the near term,

01:06:58 --> 01:07:01: resilience concerns a lot of the energy assets are not

01:07:01 --> 01:07:03: owned by Sonoma Clean Power,

01:07:03 --> 01:07:06: so it's going to require their collaboration across the board.

01:07:06 --> 01:07:09: But I also think it's important for us to recognize

01:07:09 --> 01:07:11: that there's a lot of programs that snow clean power

01:07:11 --> 01:07:13: is doing right now to ensure equity.

01:07:13 --> 01:07:17: In this this green green future in green access their

01:07:17 --> 01:07:19: self generation incentive program,

01:07:19 --> 01:07:22: the low Income Energy Assistance Program they offer.

01:07:22 --> 01:07:26: They offered energy discounts, go all electric as part of

01:07:26 --> 01:07:29: rebuilds for homes that are impacted by the fire,

01:07:29 --> 01:07:31: the fires by up to \$17,500.

01:07:31 --> 01:07:34: These are steps that they're taking right now to help

01:07:34 --> 01:07:35: move in that direction.

01:07:35 --> 01:07:38: I think what we're trying to articulate is that it's

01:07:38 --> 01:07:41: going to require collaboration across the board in terms of

01:07:42 --> 01:07:43: those infrastructure improvements.

01:07:43 --> 01:07:45: No, did you want to jump in?

01:07:45 --> 01:07:47: Yeah, I think just a pair on the back end

01:07:47 --> 01:07:50: of that Jose is that you know it comes down

01:07:50 --> 01:07:52: to knowledge and in let's let's be honest,

01:07:52 --> 01:07:56: sometimes a lot of these technologies and solutions are

01:07:56 --> 01:07:58: overwhelming

01:07:58 --> 01:07:59: and one thing that we keyed in on his education

01:07:59 --> 01:08:03: and communication,

01:08:03 --> 01:08:03: right to make sure that people understand that there are

01:08:03 --> 01:08:06: options.

01:08:06 --> 01:08:09: And you can really be that envoy to the community.

01:08:09 --> 01:08:10: From that perspective, most definitely.

01:08:10 --> 01:08:13: And just last point on that,

01:08:13 --> 01:08:14: is that we realize a lot of the energy storage

01:08:14 --> 01:08:16: technology out there.

01:08:16 --> 01:08:20: There's a huge cost associated with that,

01:08:20 --> 01:08:22: so leveraging the collaboration that get federal funds to close

01:08:22 --> 01:08:22: that gap so that more community members can adopt those

01:08:23 --> 01:08:23: will be key.

01:08:23 --> 01:08:26: We don't want Mr. Krigger additional disparity where the haves

01:08:26 --> 01:08:28: are the only ones who got hit,

01:08:28 --> 01:08:30: who can adopt new technology,

01:08:30 --> 01:08:32: and those on the lower end economically can't.

01:08:32 --> 01:08:36: So that's what our recommendations are around.

01:08:36 --> 01:08:41: Great, thank you. There's a question here about.

01:08:41 --> 01:08:45: A question here about the advocating for development in more

01:08:45 --> 01:08:48: infill sites and the question specifically,

01:08:48 --> 01:08:51: is how do we turn these common sense recommendations into

01:08:51 --> 01:08:53: an active policy is on the ground,

01:08:53 --> 01:08:55: and I'm wondering if Chris and Diana,

01:08:55 --> 01:09:00: maybe Chris, you can take it from a development perspective

01:09:00 --> 01:09:04: and Diana maybe take it from a government perspective.

01:09:04 --> 01:09:07: Yeah, I I think in Tom Conlin posed this question

01:09:07 --> 01:09:11: and he starts by by mentioning these things are obvious

01:09:11 --> 01:09:14: and I just want to reiterate that everything that we

01:09:14 --> 01:09:17: talked about are obvious and best practices.

01:09:17 --> 01:09:19: So this is not rocket science.

01:09:19 --> 01:09:22: We know it. Would we not do it?

01:09:22 --> 01:09:26: You're not the first community to receive pushback to challenging

01:09:26 --> 01:09:27: the status quo.

01:09:27 --> 01:09:30: Of course, two. We simply hope that you know the

01:09:30 --> 01:09:34: traumatic experiences that we heard about beginning in 2017 with

01:09:34 --> 01:09:35: the wildfires.

01:09:35 --> 01:09:38: We felt that this obviously is challenge your community and

01:09:38 --> 01:09:41: imagine that you need to accept that a different sense

01:09:41 --> 01:09:45: of urgency and responsibility to abandon business as usual as

01:09:45 --> 01:09:47: usual, which is the case,

01:09:47 --> 01:09:50: John's making you know you really should push hard on

01:09:50 --> 01:09:52: equity and quality of life,

01:09:52 --> 01:09:55: life, arguments to push. A robust infill agenda.

01:09:55 --> 01:09:58: I just think I hope the time is different and

01:09:58 --> 01:10:02: I hope those leaders that may have paused in the

01:10:02 --> 01:10:03: past can actually,

01:10:03 --> 01:10:07: you know, step back and understand that kind of wisdom

01:10:07 --> 01:10:09: of doing things differently,

01:10:09 --> 01:10:12: and particularly with development and infill being so,

01:10:12 --> 01:10:15: so obviously the the most is the safest,  
01:10:15 --> 01:10:18: the strongest, smartest way to go,  
01:10:18 --> 01:10:20: yeah?  
01:10:20 --> 01:10:22: Yeah, so from the government perspective,  
01:10:22 --> 01:10:24: I think part of the issue is,  
01:10:24 --> 01:10:25: you know, for the folks,  
01:10:25 --> 01:10:28: there's always a core set of people that are that  
01:10:28 --> 01:10:29: don't want change.  
01:10:29 --> 01:10:32: They want things the way they've been for the last  
01:10:32 --> 01:10:33: 50 years.  
01:10:33 --> 01:10:36: They've you know, it's just the resistant thing.  
01:10:36 --> 01:10:39: Part of it is storytelling.  
01:10:39 --> 01:10:43: Being able to to frame the solutions as something that  
01:10:43 --> 01:10:44: benefits them.  
01:10:44 --> 01:10:47: The people who were afraid of change.  
01:10:47 --> 01:10:50: You know, my Graduate School Dean told us on day  
01:10:50 --> 01:10:52: one is like where you stand.  
01:10:52 --> 01:10:55: Depends on where you sit.  
01:10:55 --> 01:10:57: And you know that's so true.  
01:10:57 --> 01:10:59: So it's you have to as you're trying to make  
01:11:00 --> 01:11:00: changes,  
01:11:00 --> 01:11:03: you have to understand where people white people have the  
01:11:04 --> 01:11:06: reactions that they do to these changes.  
01:11:06 --> 01:11:09: You know they're afraid of losing things other than power,  
01:11:09 --> 01:11:14: right? But are there afraid of other losses?  
01:11:14 --> 01:11:18: And I think that the storytelling humanizing what you need  
01:11:18 --> 01:11:18: to do.  
01:11:18 --> 01:11:22: Like we talked about with with the jobs and affordable  
01:11:22 --> 01:11:23: housing.  
01:11:23 --> 01:11:25: Who qualifies for affordable housing?  
01:11:25 --> 01:11:29: Hearing the really high cost of living in Sonoma County  
01:11:29 --> 01:11:33: is important and you know community engagement at at.  
01:11:33 --> 01:11:35: It's so messy, it's really hard.  
01:11:35 --> 01:11:38: I'm doing it at my County and Travis County.  
01:11:38 --> 01:11:42: It's exhausting. It's hard. You have to really lean in,  
01:11:42 --> 01:11:45: but I think that's what you have to do.  
01:11:45 --> 01:11:48: To make the changes and just keep at it and  
01:11:48 --> 01:11:52: keep keep pushing on the community engagement and  
making sure  
01:11:52 --> 01:11:56: that everybody feels like they've been listened to.  
01:11:56 --> 01:11:58: Great thank you. There was also sort of a follow  
01:11:58 --> 01:12:00: up question to that and I don't know if this

01:12:00 --> 01:12:01: is best for you guys.  
01:12:01 --> 01:12:03: Or maybe John. I don't know if you want to  
01:12:03 --> 01:12:05: take this and that is you know how do we  
01:12:05 --> 01:12:09: incorporate these holistic and multidisciplinary approaches to  
housing so we  
01:12:09 --> 01:12:11: don't look at housing in isolation.  
01:12:14 --> 01:12:18: Or Peter. Maybe I'll flip that to the whole group.  
01:12:18 --> 01:12:20: I'll take an initial crack at it.  
01:12:20 --> 01:12:24: The way we're looking at it in Travis County is  
01:12:24 --> 01:12:28: where we're re framing affordable housing and not looking at  
01:12:28 --> 01:12:30: it as an housing in general.  
01:12:30 --> 01:12:32: As a social service construct.  
01:12:32 --> 01:12:35: But as an economic development construct right?  
01:12:35 --> 01:12:39: We need to housing. For the people that are going  
01:12:39 --> 01:12:41: to fill the jobs and so for us,  
01:12:41 --> 01:12:45: we're we're trying to just totally flip the narrative.  
01:12:45 --> 01:12:47: It's not social services, not welfare,  
01:12:47 --> 01:12:52: its economic development. I'll quickly mention is super  
effective tool  
01:12:52 --> 01:12:55: to to maybe help get over certain hurdles for people  
01:12:55 --> 01:12:59: on issues of density or particular housing and infill housing  
01:12:59 --> 01:13:02: types. I call it that giving the Sky is falling  
01:13:02 --> 01:13:02: phenomenon.  
01:13:02 --> 01:13:05: It's really easy to get over that phenomenon when people  
01:13:06 --> 01:13:09: just see these things and so what's been effective in  
01:13:09 --> 01:13:12: other communities from time to time has been literally to  
01:13:12 --> 01:13:14: get your electives or whoever on a bus or on  
01:13:14 --> 01:13:17: a plane and go to other places and see what  
01:13:17 --> 01:13:19: this stuff actually looks like on the ground.  
01:13:19 --> 01:13:21: And nine out of 10 times they.  
01:13:21 --> 01:13:23: They can understand and experience that.  
01:13:23 --> 01:13:24: Wow, this is not so bad.  
01:13:24 --> 01:13:26: This is OK. We could have this in our community.  
01:13:28 --> 01:13:30: Great.  
01:13:30 --> 01:13:33: I'm loving you can be certain address that housing coalition  
01:13:33 --> 01:13:35: question too if you like and John.  
01:13:35 --> 01:13:38: Can you maybe? Also there was a question on transfer  
01:13:38 --> 01:13:39: development rights,  
01:13:39 --> 01:13:41: so you may want to sort of address that as  
01:13:42 --> 01:13:42: well.  
01:13:42 --> 01:13:45: OK, so they sort of go together there around moving  
01:13:45 --> 01:13:47: the value around with respect to the housing question.

01:13:47 --> 01:13:51: The problem in housing is always the relationship between costs

01:13:51 --> 01:13:52: and revenue.

01:13:52 --> 01:13:53: Who's going to pay the rent?

01:13:53 --> 01:13:55: So lots of times the issue is how do we

01:13:55 --> 01:13:58: do a cost support either from the government from private

01:13:58 --> 01:13:59: sector?

01:13:59 --> 01:14:00: How do we rent support?

01:14:00 --> 01:14:03: If it was believed there's plenty of examples of large

01:14:03 --> 01:14:04: employers,

01:14:04 --> 01:14:06: notably tech companies and universities,

01:14:06 --> 01:14:09: but it also hospitals you two biggest employers in the

01:14:09 --> 01:14:10: County or hospitals.

01:14:10 --> 01:14:15: Paying supplements to workers either to cover their monthly

01:14:15 --> 01:14:16: rent or mortgage payments,

01:14:16 --> 01:14:19: or to cover the construction of the house.

01:14:19 --> 01:14:22: That's the kind of thing that would be thought about

01:14:22 --> 01:14:25: an aggregate of all these possible sources,

01:14:25 --> 01:14:28: but those kind of contributors aren't going to do that

01:14:28 --> 01:14:31: unless they believe the overall plan works going forward.

01:14:31 --> 01:14:35: Similarly, the revenue you think about a follow the money

01:14:35 --> 01:14:35: aspect,

01:14:35 --> 01:14:39: the construction of dense housing tends to lead to much

01:14:39 --> 01:14:41: more municipal revenue per acre.

01:14:41 --> 01:14:44: Particularly it's for rent housing because there are business

01:14:44 --> 01:14:46: taxes.

01:14:44 --> 01:14:46: Plus there are many more units per acre,

01:14:46 --> 01:14:48: so there's more property tax.

01:14:48 --> 01:14:51: So then the municipality has the ability to transfer

01:14:51 --> 01:14:54: development

01:14:51 --> 01:14:54: rights from somebody who may have a parcel out in

01:14:54 --> 01:14:56: the in the agricultural area.

01:14:56 --> 01:14:58: That really ought to stay green and let them have

01:14:58 --> 01:15:01: the right to develop a parcel of similar value downtown

01:15:01 --> 01:15:04: that aligns with what everybody is trying to do around

01:15:04 --> 01:15:09: verticality around good density around fire prevention in

01:15:09 --> 01:15:10: around getting

01:15:09 --> 01:15:10: cars off the road.

01:15:10 --> 01:15:13: Molly, can I just add 1 little quick note on

01:15:13 --> 01:15:13: bad?

01:15:13 --> 01:15:16: Also part of Italy? What are the problem?

01:15:16 --> 01:15:19: Of course is also stop talking about density and dwelling

01:15:19 --> 01:15:22: per acres and start talking about what the form should  
01:15:23 --> 01:15:23: be like.  
01:15:23 --> 01:15:26: You know this is that there's an essence of Sonoma  
01:15:26 --> 01:15:26: County.  
01:15:26 --> 01:15:29: This in essence of West Santa Rosa should be,  
01:15:29 --> 01:15:31: and it's not. It's not a number is actually in.  
01:15:31 --> 01:15:34: The lack is in the form of the buildings and  
01:15:34 --> 01:15:37: how they face the street isn't the lack the moving  
01:15:37 --> 01:15:39: of the parking away from the street where people are  
01:15:39 --> 01:15:42: able to walk. That should be the number one question  
01:15:42 --> 01:15:46: versus you know the thing that everybody always talks about  
01:15:46 --> 01:15:46: which is.  
01:15:46 --> 01:15:49: How much parking spaces are we get into parking per  
01:15:49 --> 01:15:50: unit and also what is the density like?  
01:15:50 --> 01:15:53: Because the density could be very well hidden.  
01:15:53 --> 01:15:55: I think that's part of the things that I've tried  
01:15:55 --> 01:15:56: to show in the illustration.  
01:15:56 --> 01:15:58: Then it could be very well hidden with a really  
01:15:58 --> 01:16:00: well designed building.  
01:16:00 --> 01:16:02: The problem is is that if you don't hide it  
01:16:02 --> 01:16:04: correctly then it's gonna look monstrous,  
01:16:04 --> 01:16:07: which is when it's up happening because everybody's  
worrying about  
01:16:07 --> 01:16:08: the density number,  
01:16:08 --> 01:16:09: not the form of it.  
01:16:09 --> 01:16:12: Great, thanks so much to everyone on that one.  
01:16:12 --> 01:16:16: I want to pitch over back to wildfire management and  
01:16:16 --> 01:16:18: vegetation management specifically.  
01:16:18 --> 01:16:21: So Jeremy there's a question here about we recognize the  
01:16:21 --> 01:16:23: vegetation management is needed.  
01:16:23 --> 01:16:26: We definitely heard that from a number of people,  
01:16:26 --> 01:16:30: but how do you implement that affectively while also making  
01:16:30 --> 01:16:34: sure that any new management in forest product related  
activities  
01:16:34 --> 01:16:38: are carbon net zero and don't reduce our countywide stocks  
01:16:38 --> 01:16:41: of sequestered carbon?  
01:16:41 --> 01:16:44: So sequester carbon is really interesting thing to talk about  
01:16:44 --> 01:16:47: and the idea behind it is just in this as  
01:16:47 --> 01:16:51: a general overarching view is storing carbon for longer  
periods  
01:16:51 --> 01:16:54: of time an the idea with vegetation management and what  
01:16:54 --> 01:16:59: we're recommending with thinning of the forests were talking  
about

01:16:59 --> 01:17:02: taking out the thin trees were talking about taking out  
01:17:02 --> 01:17:06: Groves that have lots of small trees together and creating  
01:17:06 --> 01:17:09: more old growth forests in these deeper areas and an  
01:17:09 --> 01:17:10: old growth tree,  
01:17:10 --> 01:17:13: let's say maybe ???100 per 100 year old pine tree.  
01:17:13 --> 01:17:16: These are going to hold carbon for much longer period  
01:17:16 --> 01:17:19: of time than the thin stands of trees that you  
01:17:19 --> 01:17:21: have that burn repeatedly every couple years.  
01:17:21 --> 01:17:23: As the fire goes through,  
01:17:23 --> 01:17:25: those trees go back up so that carbon is only  
01:17:25 --> 01:17:27: stored for very low rent rate of time.  
01:17:27 --> 01:17:31: So thinning and vegetation management encouraging old  
growth will effectively  
01:17:31 --> 01:17:33: actually hold carbon longer.  
01:17:33 --> 01:17:36: There's another two items that are also not talked about  
01:17:36 --> 01:17:39: carbon storage and I don't want to get really deep  
01:17:39 --> 01:17:39: into it,  
01:17:39 --> 01:17:42: but one is the idea of using these thinned products  
01:17:42 --> 01:17:45: and using the fuel modification pieces and incentivizing.  
01:17:45 --> 01:17:49: Using those for making other products that would can get  
01:17:49 --> 01:17:50: turned into,  
01:17:50 --> 01:17:52: let's say, tables, benches, chairs,  
01:17:52 --> 01:17:55: pallets, it can get turned into art sculptures.  
01:17:55 --> 01:17:58: That would also then keep the storage of carbon in.  
01:17:58 --> 01:18:00: That would for a longer period of time.  
01:18:00 --> 01:18:04: It's never indefinite, but the longer you can store it  
01:18:04 --> 01:18:05: the better it is.  
01:18:05 --> 01:18:07: And also storing carbon in the soil,  
01:18:07 --> 01:18:10: carbon pool. The Soil stores a lot of carbon as  
01:18:10 --> 01:18:11: it moves forward.  
01:18:11 --> 01:18:14: Integrating the ash and pushing it down into the soil  
01:18:14 --> 01:18:15: and utilizing the ash.  
01:18:15 --> 01:18:19: As fertilizer or pieces throughout the soil also stores that  
01:18:19 --> 01:18:21: carbon for a longer period of time.  
01:18:21 --> 01:18:24: So there's a lot of science out there and innovative  
01:18:24 --> 01:18:24: technology.  
01:18:24 --> 01:18:26: But in relation to the question itself,  
01:18:26 --> 01:18:30: vegetation management will help store more carbon by  
increasing old  
01:18:30 --> 01:18:31: growth.  
01:18:33 --> 01:18:35: That's great.  
01:18:35 --> 01:18:37: So I think we only have a couple more minutes,

01:18:37 --> 01:18:39: so I'm going to probably just turn one,  
01:18:39 --> 01:18:42: do one. More question. There's so many we're going to  
01:18:42 --> 01:18:44: try and figure out how we can.  
01:18:44 --> 01:18:46: We'll keep working to capture these,  
01:18:46 --> 01:18:48: and then we will try and respond back to them,  
01:18:48 --> 01:18:52: ultimately, either through our CPA's website or or some other  
01:18:52 --> 01:18:54: way will get back this back or it will be  
01:18:54 --> 01:18:55: incorporated into the.  
01:18:55 --> 01:18:59: Into the report. So here's a question for you all.  
01:19:03 --> 01:19:06: How can County leaders go beyond sort of that that  
01:19:06 --> 01:19:07: the usual suspects.  
01:19:07 --> 01:19:11: The folks that were already reaching out to to for  
01:19:11 --> 01:19:13: greater inclusion and boldness.  
01:19:16 --> 01:19:18: And maybe I can. I can jump in and start  
01:19:18 --> 01:19:21: or Deanna you might have something there as well.  
01:19:21 --> 01:19:23: I think one is take a look at some models  
01:19:23 --> 01:19:26: that are that are existing right now in that space.  
01:19:26 --> 01:19:29: I put a reference point to a document on the  
01:19:29 --> 01:19:29: EPA,  
01:19:29 --> 01:19:32: put together that lays out some of the stakeholder strategies  
01:19:32 --> 01:19:35: in terms of the sustainable infrastructure.  
01:19:35 --> 01:19:37: That's some good guidance I know in Sacramento.  
01:19:37 --> 01:19:41: What we established was a mayors climate Commission that  
actually  
01:19:41 --> 01:19:44: had a citizens Committee engaged as a part of that  
01:19:44 --> 01:19:45: climate resilience conversation.  
01:19:45 --> 01:19:48: And we actually had. Residents helping lead some of the  
01:19:49 --> 01:19:51: subcommittees to provide information to the leaders.  
01:19:51 --> 01:19:54: I think leveraging some of those best practices,  
01:19:54 --> 01:19:57: Valley vision and in the secondary offers a number of  
01:19:57 --> 01:19:58: those tools as well.  
01:19:58 --> 01:20:01: But I agree there needs to be an opportunity to  
01:20:01 --> 01:20:04: ensure that the Community voices are heard a Deanna SLU  
01:20:04 --> 01:20:07: none that there might be some other ideas you might  
01:20:07 --> 01:20:10: want to share. Well, you know if you're elected leaders  
01:20:11 --> 01:20:13: aren't aren't listening to all the voices,  
01:20:13 --> 01:20:17: or you think that there are other voices that need  
01:20:17 --> 01:20:17: to be heard?  
01:20:17 --> 01:20:20: I mean, squeaky wheel gets the grease.  
01:20:20 --> 01:20:22: You know, you start calling in.  
01:20:22 --> 01:20:23: You start writing in you.  
01:20:23 --> 01:20:27: Start setting up meetings with those elected officials.

01:20:27 --> 01:20:29: That's what works at Travis County.  
01:20:29 --> 01:20:33: And once you have one of my County Commissioners calls  
01:20:33 --> 01:20:35: me and says I need you to talk to this  
01:20:35 --> 01:20:36: group,  
01:20:36 --> 01:20:39: then you know I'm going to go and talk to  
01:20:39 --> 01:20:39: them.  
01:20:39 --> 01:20:43: I think it's it's really important that the staff of  
01:20:43 --> 01:20:48: the local governments special districts meet people where  
they are.  
01:20:48 --> 01:20:50: It's it's a lot of work.  
01:20:50 --> 01:20:54: It takes money and it takes being able to have,  
01:20:54 --> 01:20:57: you know. I just bought a zoom license for for  
01:20:57 --> 01:20:59: myself at the County.  
01:20:59 --> 01:21:02: Buy it for me so I could host a meeting  
01:21:02 --> 01:21:07: of a community anti poverty group because they didn't have  
01:21:07 --> 01:21:09: the resources to do it.  
01:21:09 --> 01:21:12: You know had a couple 100 bucks in my budget,  
01:21:12 --> 01:21:14: I did it. I didn't ask for permission,  
01:21:14 --> 01:21:16: just did it. So you have to you have to  
01:21:16 --> 01:21:18: go out there and been in an an an.  
01:21:18 --> 01:21:22: These community groups have to get if they have to  
01:21:22 --> 01:21:25: get connections to the local governments at the staff level  
01:21:25 --> 01:21:29: at the elected official level and start making those inroads  
01:21:29 --> 01:21:31: and and that's how it works.  
01:21:31 --> 01:21:35: Just keep after them and be the squeaky wheel.  
01:21:35 --> 01:21:39: Thank you well, unfortunately we're just about at the end  
01:21:39 --> 01:21:40: of time.  
01:21:40 --> 01:21:42: At first I just want to say thank you to  
01:21:42 --> 01:21:44: the panelists to the staff,  
01:21:44 --> 01:21:46: to the County, to the city,  
01:21:46 --> 01:21:51: to our CPA for your extraordinary support and feedback.  
01:21:51 --> 01:21:54: To Brant, who I think is also doing the Spanish  
01:21:55 --> 01:21:55: translation,  
01:21:55 --> 01:21:57: so thank you for that.  
01:21:57 --> 01:22:00: I want to hand this all back to Suzanne.  
01:22:00 --> 01:22:02: We have been so honored to be with you.  
01:22:02 --> 01:22:06: Ann really feel that you're doing remarkable work and we  
01:22:06 --> 01:22:09: are thinking of you as you move into this upcoming  
01:22:10 --> 01:22:13: virus season and hope that some of the ideas that  
01:22:13 --> 01:22:15: we've put forth will be supportive.  
01:22:15 --> 01:22:18: So thank you, Suzanne.  
01:22:18 --> 01:22:21: Over to you. Thank you so much.

01:22:21 --> 01:22:27: Molly ananta. The panelists and to our elected leaders,  
01:22:27 --> 01:22:32: May Rogers, Chair Hopkins, an RC PHR Goran.  
01:22:32 --> 01:22:35: All the folks who attended today.  
01:22:35 --> 01:22:37: I really am grateful for the Community,  
01:22:37 --> 01:22:40: sort of embracing of this process,  
01:22:40 --> 01:22:44: and I can't thank the panel enough for your deep  
01:22:44 --> 01:22:49: dive and what's been happening here in Sonoma County.  
01:22:49 --> 01:22:53: I look forward. I'm actually really excited to get the  
01:22:53 --> 01:22:57: final report in a few months and figuring out how  
01:22:57 --> 01:22:57: we.  
01:22:57 --> 01:23:01: We work with all of your recommendations and keep  
advancing  
01:23:01 --> 01:23:02: the ball.  
01:23:02 --> 01:23:06: That's what this is really about and being.  
01:23:06 --> 01:23:11: Being leaders and being responsive and making our  
community safer.  
01:23:11 --> 01:23:14: So the work you guys did has been fantastic and  
01:23:14 --> 01:23:17: I just want to close with a big thank you  
01:23:17 --> 01:23:19: and thank you to my staff for pulling a lot  
01:23:19 --> 01:23:24: of the background, materials and organizational work  
together.  
01:23:26 --> 01:23:29: This has been great and hopefully we'll actually get to  
01:23:29 --> 01:23:32: host you in person sometime here in Sonoma County,  
01:23:32 --> 01:23:36: but I'm grateful that we had this opportunity even though  
01:23:36 --> 01:23:37: it was remote.  
01:23:37 --> 01:23:38: So thanks so much.

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