



Oregon State
University



Envisioning a Resilient Oregon Coast: Co-developing alternative futures for adaptation planning and decision-making

September 2020 Virtual Advisory Council Meeting

8 September 2020 (1:00 pm – 3:00 pm)

Meeting Objectives:

1. Update the Advisory Council on project progress.
2. Deliver an in-depth update on the **Equitable Resilience** project theme focusing on how qualitative and quantitative social science data and results are informing policy scenarios for Envision.
3. Harness the expertise of Advisory Council to develop actionable knowledge to inform statewide policies and localized decision-making.

Attendees:

- Michael Bufalino (ODOT), Jarod Norton (USACE), Sarah Kolesar (Oregon Sea Grant), Pat Corcoran (former OSG), Meg Reed (DLCD), Phillip Mote (OSU), Jack Barth (Marine Studies Initiative), Heather Wade (DLCD), Gwen Shaughnessy (NOAA), Tiffany Brown (Clatsop Emergency Services Manager), Charlie Plybon (Surfrider), Mike Harryman (State Resilience Officer)

Welcome, Introductions (lightning round all), Meeting Overview (Peter)

- Meeting overview: See meeting objectives and questions to consider on agenda and PowerPoint presentation
- This meeting's focus on is largely on: the equitable resilience component of the project

Project and theme overviews: focused on progress since last AC meeting (OCF team)

- See PowerPoint for project overview and progress on project components/themes
- Jack Barth (chat): Please remind us of the duration of the project and where we are in time in the project.
 - This is scoped as a 3.5-year project and we're a little more than halfway through at this time.

Deep Dive on Equitable Resilience Theme (Jenna Tilt and Katherine Stanton)

- See PowerPoint for equitable resilience update and key questions
- Charlie Plybon: Asked why there was an increase in residential damage for Latinx households with the retrofit strategy than baseline.

- Two reasons: First is that this is a probabilistic model which will ultimately need more runs to smooth out the results. Second is that households that weren't low income and therefore not eligible for retrofit would have been damaged in the event.
- Charlie Plybon: What are some other metrics – other than cost – that can be used to quantify resilience at the household/residential level? How else do we show the benefits of resilience?
 - We use demographic information – income, race, etc. – to determine some of this.
 - This is something we're working on. We want to know what metrics others think are valuable?
- Mike Harryman:
 - Gov. Brown has established the Racial Justice Council recently. He recommends we keep an eye on what comes out of this council.
 - He suggested that we consider bracing for homes in our acute hazards policies.
 - Related to COVID-19, he's looking at resilience of community places like food banks and nonprofits. We will send an email out with the link to the recording so that he can see some of the community assets information we've gathered.
 - Working on finishing up the transportation resiliency report. There will be information on islanding in this, may be useful to us.
- Dan Cox spoke to some of the preliminary findings about residential building damage and how this relates to other findings
 - Mike Harryman (chat): It was a NIST study from 2017 and updated in 2018, 1:4 for EQ and 1:6 for floods to include tsunami
- Meg Reed: I think the quotes from Katie's presentation were really informative. Having those examples as a resource (in an online format – perhaps a story map) would be beneficial to then incorporate those ideas into outreach and policy.
 - The toolkit/story map idea is good because it may provide more information about community engagement.
 - Want to put some of the information Katie gathered on the website. Interested in story mapping.
 - Charlie Plybon (chat): I'd love something that
 - Meg Reed (chat): yes, exactly! that would be so great. thank you!
 - Katie Stanton (chat): That is definitely the ideal application for my work! Thanks Meg
- Jack Barth: Are there any case studies about targeted retrofits elsewhere that we can learn from?
 - There are some studies out of California that we have been looking at
 - Meg Reed (chat): I think Oregon has done this for flood elevation retrofits - a targeted retrofit program that was very successful. Chris Shirley from DLCD would know more. Not earthquake but related.
 - Jack Barth: Recommends looking at some Gulf Coast studies

Discussion/Review of read ahead questions (all)

- Pat: Went through each of the questions
 - Low-income housing is very important to consider, don't want a 9th Ward effect.
 - Cautioned us on focusing our list of 'users' as we develop our TWL tool for the Climate Tool Box.

- Blue line project and signage on the highway – it’s an awareness thing to Pat. He doesn’t think it would change anyone’s housing behavior. He thinks it’s interesting to look at the effects of the information shock. He thinks the communities had to think a lot about signage regarding the blue lines, made communities consider the importance of signage, maybe for the first time.
- Covid impacts will be felt for a long time.
- In March 2011 the Latinx community went to Beaverton, because that’s where their relatives were.
- Asked about LISTOS. Currently only in Newport.
- Phil Mote (chat): Kudos on your efforts to include equity. I just finished listening to Floodlines, the 8-part podcast on Hurricane Katrina by the Atlantic monthly. So much of the suffering was because little pre-event planning went to the evacuation needs and communication lines of Black communities especially in the Lower 9th ward. Whoa, what a coincidence that Pat just mentioned Lower 9th!
- Jack Barth: Asked about the TWL model curves and how we check the results against the historical time series. Meredith explained.
- Meg Reed (chat): Would be nice to try to capture co-benefits in the analysis of where to move houses in the tsunami zone to also note how that will help with sea level rise and climate impacts, but also how it is challenging with other hazards (such as landslides) to find suitable land.
 - Some hazards will be considered – like flood and landslide risk. We haven’t considered some of the co-benefits regarding climate change and SLR yet. But that is a very interesting point and would be a good next step once we get to that point in the “where to move people” model.
 - Meg Reed (chat): Cool, thank you!
- Peter Ruggiero spoke some about climate change and resilience actions coming from Congress at the national level spearheaded by Congresswoman Bonamici’s office. Dan Cox, Peter Ruggiero, and Jack Barth all participated in a recent briefing session held by the Congresswoman.
- Meg Reed: Regarding your last key question: DLCD is thinking about re-development post-pandemic, especially with the potential death of the "office". Thinking about mixed use in particular, housing mixed with businesses, transportation and parks, trying to make communities more walkable/bikeable, and cutting down on greenhouse gas emissions, as well as building affordable housing. Important to think about equity and hazards within this planning context.

Wrap up/next steps/project timeline/informal discussion of statewide and regional resilience efforts (Peter)

- Peter let the Advisory Council know about the Cascadia CoPe proposal development process that is on-going and how we are working towards proposing a large-scale chronic and acute hazards resilience project for Cascadia. He has invited some members of the Advisory Council to several meetings regarding the development of this proposal.
- We will send out a meeting summary and recording soon.

- Charlie Plybon (chat): Congrats on the proposal development effort☺
- Tiffany Brown:
 - The perception of the tsunami overlay in Clatsop is very interesting. By the second meeting it crashed and burned because of public perception regarding insurance and prices.
 - Regarding how to communicate to people about where to go, it's not that the Latinx community doesn't know about it, it's that everyone doesn't know. Nobody really knows about where to go. It's comforting to know that her community is not the only one struggling with this issue.
 - OSSPAC is in the process of working to draft bill language to adopt the ASCE standards more strictly. She can send out this draft if people are interested.
- Charlie Plybon: Digital tools with respect to chronic hazards – they recently collaborated on a video called “Rise Up” for a town in California that visualized several chronic hazard scenarios. He recommends doing something like this – visualizations can reach a lot of audiences. Visualizing reactions can be very helpful and powerful. The video: <https://www.surfrider.org/coastal-blog/entry/new-virtual-reality-video-shows-future-sea-level-rise>
- Phil Mote (chat): Good work team! It was interesting hearing these updates.
- Charlie Plybon (chat): I appreciate the work you all are doing, thank you!
- Meg Reed (chat): Thanks so much for the update - great work!