

# Webinar

## Net Zero Imperative: Cities & Real Estate Accelerating Decarbonization in the Built Environment

Date: November 03, 2021

00:00:03 --> 00:00:07: Hi everyone. Thank you for joining Urban Land Institute and  
 00:00:07 --> 00:00:08: our web and R on the net.  
 00:00:08 --> 00:00:12: Zero imperative cities in real estate accelerating  
 00:00:12 --> 00:00:13: decarbonization in the  
 00:00:13 --> 00:00:16: built environment.  
 00:00:16 --> 00:00:18: My name is Brian Sweat and I'm a principal and  
 00:00:18 --> 00:00:21: the boss and leader of Arab,  
 00:00:21 --> 00:00:24: the Boston group leader of Arab Global design,  
 00:00:24 --> 00:00:26: engineering and consulting firm in the built environment.  
 00:00:26 --> 00:00:29: I also serve as an Advisory Board member to EU  
 00:00:29 --> 00:00:33: Li net 0 imperative and I'm tremendously excited to be  
 00:00:33 --> 00:00:36: able to host conversation with three of our inaugural  
 00:00:36 --> 00:00:39: participants  
 00:00:39 --> 00:00:43: in this absolutely critical. Initiative of Urban Land Institute and  
 00:00:43 --> 00:00:47: the Center for Sustainability and Economic Performance.  
 00:00:47 --> 00:00:48: Next slide, please. A bit of housekeeping before we get  
 00:00:48 --> 00:00:51: started.  
 00:00:51 --> 00:00:54: First off, participants in the webinar will remain on mute,  
 00:00:54 --> 00:00:57: but we are interested in hearing from you in terms  
 00:00:57 --> 00:01:00: of questions through the Q&A feature,  
 00:01:00 --> 00:01:04: so please do feel free to submit questions throughout the  
 00:01:04 --> 00:01:07: panelists presentations and you'll I behind the scenes will be  
 00:01:07 --> 00:01:09: curating and you know the questions and organizing them  
 00:01:09 --> 00:01:10: and  
 00:01:10 --> 00:01:13: we will get to them towards the end of our  
 00:01:13 --> 00:01:15: hour together.  
 00:01:15 --> 00:01:18: And lastly, this webinar will be recorded and sent to  
 00:01:18 --> 00:01:21: all registrants for sharing.  
 00:01:21 --> 00:01:24: With their colleagues who may be interested in this space

00:01:18 --> 00:01:20: and couldn't attend in person today.

00:01:23 --> 00:01:25: In terms of introductions, you've heard from me,

00:01:25 --> 00:01:28: very excited to be here and we will hear from

00:01:29 --> 00:01:30: three excellent panelists,

00:01:30 --> 00:01:36: each representing. Submissions and successful submissions and inaugural participants in

00:01:36 --> 00:01:37: utilized.

00:01:37 --> 00:01:40: Net zero imperative. First will be Ashley,

00:01:40 --> 00:01:43: said Owski. She's the executive director of the Kansas City

00:01:43 --> 00:01:45: Building Energy Exchange.

00:01:45 --> 00:01:46: We also have David Hawkins,

00:01:46 --> 00:01:50: who is the Executive director of the Los Angeles Better

00:01:50 --> 00:01:51: Buildings Challenge,

00:01:51 --> 00:01:55: and Phoebe Romero, who is in an environmental coordinator in

00:01:55 --> 00:01:58: the City of Austin Office of Sustainability.

00:01:58 --> 00:02:00: And following each other presentations,

00:02:00 --> 00:02:03: we'll have a Q&A between us and then we'll open

00:02:03 --> 00:02:07: up the the Q&A to the broader audience.

00:02:07 --> 00:02:10: Further information on their backgrounds is available on the web

00:02:10 --> 00:02:10: and our website.

00:02:13 --> 00:02:15: So first a few minutes on the UI,

00:02:15 --> 00:02:18: net zero imperative is this is a new program and

00:02:18 --> 00:02:22: very exciting initiative of the Urban Land Institute Center for

00:02:22 --> 00:02:24: Sustainability and you like greenprint.

00:02:24 --> 00:02:27: It is in response to the imperative that we all

00:02:27 --> 00:02:30: now fully appreciate of the need to accelerate our market

00:02:30 --> 00:02:34: transformation towards a net zero built environment and it is,

00:02:34 --> 00:02:37: you know, it's not lost on us that this session

00:02:37 --> 00:02:38: today is happening.

00:02:38 --> 00:02:42: While the UN has convened COP 26 in Glasgow and

00:02:42 --> 00:02:44: is fully recognized globally,

00:02:44 --> 00:02:47: not only the imperative of this next decade,

00:02:47 --> 00:02:50: in terms of setting our economic systems and our built

00:02:50 --> 00:02:53: environment on a trajectory towards net zero emissions by

00:02:53 --> 00:02:54: mid

00:02:53 --> 00:02:54: century.

00:02:54 --> 00:02:58: But also the criticality of buildings and of the built

00:02:58 --> 00:03:00: environment in this pathway.

00:03:00 --> 00:03:02: And so I think you'll I has been privileged to

00:03:02 --> 00:03:06: be the recipient of a great donation from Owen Thomas,

00:03:06 --> 00:03:09: the current UI chair to launch this Netzero imperative,

00:03:09 --> 00:03:14: which will be a multi year initiative to accelerate decarbonization

00:03:14 --> 00:03:17: in the built environment through utilized programming.

00:03:17 --> 00:03:19: It's going to involve you modeled after.

00:03:19 --> 00:03:23: Sorry can we go back modeled after the technical assistance

00:03:23 --> 00:03:26: panels that have become a foundational element for UI?

00:03:26 --> 00:03:30: Overall, it's it will consist of about five global cities

00:03:30 --> 00:03:34: per year and designed to really engage both building owners

00:03:35 --> 00:03:36: as well as cities,

00:03:36 --> 00:03:40: both agencies and regulators, and all relevant stakeholders to reduce

00:03:40 --> 00:03:43: emissions in our building communities and cities with really the

00:03:43 --> 00:03:47: foundational goal of of setting up the built environment and

00:03:47 --> 00:03:50: all its stakeholders. To make a step change in progress

00:03:50 --> 00:03:52: on emissions reduction going forward,

00:03:52 --> 00:03:54: in particular in the next decade.

00:03:56 --> 00:04:00: Next slide, please. So why is it important to and?

00:04:00 --> 00:04:02: My guess is you know the audience here today is

00:04:02 --> 00:04:03: well versed,

00:04:03 --> 00:04:06: but building globally are responsible for about 40%

00:04:06 --> 00:04:09: of global greenhouse gas emissions when you add on embodied

00:04:09 --> 00:04:10: carbon,

00:04:10 --> 00:04:13: that percentage goes even up and in the urban context,

00:04:13 --> 00:04:16: oftentimes in cities like Boston where I reside,

00:04:16 --> 00:04:20: buildings emissions are 70% in north.

00:04:20 --> 00:04:23: You know of the city's total emissions responsibility.

00:04:23 --> 00:04:24: So as goes, you know,

00:04:24 --> 00:04:27: the building sector's response to this imperative,

00:04:27 --> 00:04:31: so goes. Fight against climate change and over the past

00:04:31 --> 00:04:31: five years,

00:04:31 --> 00:04:34: we've seen really a consensus,

00:04:34 --> 00:04:37: a very positive consensus around the challenge at hand,

00:04:37 --> 00:04:41: proliferate across EU S and across cities large and small

00:04:41 --> 00:04:45: as well across private sector real estate developers.

00:04:45 --> 00:04:49: Since the since the Paris climate targets and since cop

00:04:49 --> 00:04:50: the cop Paris that you know,

00:04:50 --> 00:04:53: we know the challenge in front of us.

00:04:53 --> 00:04:55: And yet we have not.

00:04:55 --> 00:04:57: And we also know that we have not been acting

00:04:57 --> 00:04:59: fast enough and the real goal.

00:04:59 --> 00:05:02: Is to accelerate this decarbonization to the pace with which

00:05:02 --> 00:05:03: it deserves and which,  
 00:05:03 --> 00:05:06: with the challenge demands. And what we're seeing is it's  
 00:05:06 --> 00:05:07: not only a city,  
 00:05:07 --> 00:05:09: regulators and owners, but its investors,  
 00:05:09 --> 00:05:13: its tenants and it is insurance companies.  
 00:05:13 --> 00:05:16: It's you know, all of the stakeholders that are involved  
 00:05:16 --> 00:05:18: in our built environment ecosystem,  
 00:05:18 --> 00:05:22: recognize the imperative both for our business success but  
 for  
 00:05:22 --> 00:05:26: the planet writ large and the quality and way of  
 00:05:26 --> 00:05:29: life in which we enjoy is a fundamental change in  
 00:05:29 --> 00:05:32: decarbonizing our built environment to be net zero and do  
 00:05:32 --> 00:05:33: so quickly.  
 00:05:33 --> 00:05:36: And we're now seeing a proliferation of regulations.  
 00:05:36 --> 00:05:38: Not just impacting new buildings,  
 00:05:38 --> 00:05:42: but impacting existing buildings and impacting cities like New  
 York  
 00:05:42 --> 00:05:45: and Boston and Washington DC leading the way.  
 00:05:45 --> 00:05:47: And we expect to see far more in the years  
 00:05:47 --> 00:05:49: to come so that progress is made.  
 00:05:49 --> 00:05:51: You know, at the pace in which we need to  
 00:05:51 --> 00:05:52: be making it.  
 00:05:55 --> 00:05:58: Next slide please. So some key components of the program.  
 00:05:58 --> 00:06:01: First, as I mentioned it will be modeled after.  
 00:06:01 --> 00:06:03: Utilize TAP program so we will have a two day  
 00:06:03 --> 00:06:06: technical assistance event in each city you know to help  
 00:06:06 --> 00:06:08: all of the stakeholders,  
 00:06:08 --> 00:06:11: the public and the private sector develop a specific road  
 00:06:11 --> 00:06:14: map to decarbonization around a specific challenge that that  
 particular  
 00:06:14 --> 00:06:15: locale is facing,  
 00:06:15 --> 00:06:20: and it'll involve experts from throughout EU Li membership  
 traveling  
 00:06:20 --> 00:06:24: to that city to help them think differently and move  
 00:06:24 --> 00:06:24: forward.  
 00:06:24 --> 00:06:27: We want to. Also run long term on the ground  
 00:06:27 --> 00:06:30: campaigns across global cities to accelerate decarbonisation,  
 00:06:30 --> 00:06:34: so these the taps. The involvement in the program doesn't  
 00:06:34 --> 00:06:36: end with the Technical Assistance Panel.  
 00:06:36 --> 00:06:39: That's really the start and we're interested in creating a  
 00:06:39 --> 00:06:40: global cohort.  
 00:06:40 --> 00:06:43: You know, that can continue to receive technical assistance  
 from

00:06:43 --> 00:06:45: the ULI network to move forward with the ideas that

00:06:46 --> 00:06:49: come about through the technical assistance program and make progress

00:06:49 --> 00:06:51: and then share back best practices.

00:06:51 --> 00:06:53: 2 ULI into the industry writ large so that we

00:06:53 --> 00:06:57: can all move forward together on accelerated decarbonisation And then

00:06:57 --> 00:06:58: finally,

00:06:58 --> 00:07:01: this is also about creating global resources and tools that

00:07:01 --> 00:07:03: will be available to all.

00:07:03 --> 00:07:05: ULI membership to you know,

00:07:05 --> 00:07:08: to support their efforts in this space and really change

00:07:08 --> 00:07:09: our industry going forward.

00:07:09 --> 00:07:11: So we want the impact of the program not just

00:07:11 --> 00:07:13: to be on participants of the program alone,

00:07:13 --> 00:07:19: but on participants and members and members at large within

00:07:19 --> 00:07:20: ULI.

00:07:20 --> 00:07:21: In terms of our long term goals.

00:07:25 --> 00:07:29: Next slide, please. As I mentioned,

00:07:29 --> 00:07:32: obviously focused first and foremost on accelerating decarbonization,

00:07:32 --> 00:07:35: but understanding that we need to chart a cost effective

00:07:35 --> 00:07:37: and efficient pathway to get to net zero in the

00:07:37 --> 00:07:38: real estate industry,

00:07:38 --> 00:07:40: and those pathways may be location specific,

00:07:40 --> 00:07:41: they may be sector specific,

00:07:41 --> 00:07:44: you know they have the same end in mind of

00:07:44 --> 00:07:45: net carbon neutrality by mid century,

00:07:45 --> 00:07:49: but there are specific challenges that different sectors in different

00:07:49 --> 00:07:52: geographies are facing and how do we help support those

00:07:52 --> 00:07:55: those specific pathways we truly want to leverage the power

00:07:55 --> 00:07:58: of our global network. We feel like we have excellent.

00:07:58 --> 00:08:01: Both owners and support firms and vendors and the any

00:08:01 --> 00:08:04: community to be able to to support this pathway and

00:08:04 --> 00:08:07: that you lies in a really profound position to have

00:08:07 --> 00:08:09: a significant impact and influence.

00:08:09 --> 00:08:11: We want to get the private sector working hand in

00:08:11 --> 00:08:14: hand with the public sector with local government with state

00:08:14 --> 00:08:17: government to make sure that the policies supporting decarbonization are

00:08:17 --> 00:08:21: productive are meaningful. Focus on the right areas focus on

00:08:21 --> 00:08:24: the issues that matter in terms of emissions and truly  
 00:08:24 --> 00:08:27: can accelerate investment and we want to continue to work  
 00:08:27 --> 00:08:30: with our public sector partners in shaping those programs.  
 00:08:30 --> 00:08:33: And finally, you know core to all of you lie  
 00:08:33 --> 00:08:36: is about we want to share best practices and lessons  
 00:08:36 --> 00:08:40: learned and really develop approaches that can be used.  
 00:08:40 --> 00:08:42: Large, not just domestically but internationally and not just in  
 00:08:42 --> 00:08:44: areas where utilizing involvement,  
 00:08:44 --> 00:08:45: but really across our entire industry.  
 00:08:49 --> 00:08:53: So happy to announce for those who didn't see the  
 00:08:53 --> 00:08:54: blast recently.  
 00:08:54 --> 00:08:57: The first cohort and we were fortunate to be able  
 00:08:57 --> 00:09:00: to fund eight cities in this first cohort and and  
 00:09:00 --> 00:09:03: really across the spectrum of challenges.  
 00:09:03 --> 00:09:04: And again, we'll hear from 3 today.  
 00:09:04 --> 00:09:07: But Austin, Minneapolis, San Jose,  
 00:09:07 --> 00:09:09: Kansas City in Los Angeles,  
 00:09:09 --> 00:09:10: here in the United States,  
 00:09:10 --> 00:09:15: Toronto in Canada and Beijing and Shenzhen in China.  
 00:09:15 --> 00:09:19: So a diverse mix of geographies and locations of size  
 00:09:19 --> 00:09:20: of cities.  
 00:09:20 --> 00:09:23: Of challenges of temperate climates,  
 00:09:23 --> 00:09:25: but all with you know what we believe on the  
 00:09:25 --> 00:09:28: Advisory Board and with you rely not only a particular  
 00:09:28 --> 00:09:30: challenge that needs to be overcome,  
 00:09:30 --> 00:09:33: but a challenge that is faced by other cities around  
 00:09:33 --> 00:09:36: the world and hopefully the lessons learned from this  
 particular  
 00:09:36 --> 00:09:38: cohort can be shared and replicated elsewhere.  
 00:09:42 --> 00:09:45: So I'm excited to turn over the MIC to Ashley  
 00:09:45 --> 00:09:47: to kick us off and tell us a bit about  
 00:09:47 --> 00:09:51: Kansas City's participation in the program and what they'll be  
 00:09:51 --> 00:09:51: focused on.  
 00:09:52 --> 00:09:57: Great thank you, Brian. And so I am actually Sadowski.  
 00:09:57 --> 00:10:00: I am the executive director of Kansas City Building Energy  
 00:10:00 --> 00:10:01: Exchange,  
 00:10:01 --> 00:10:04: which is an initiative of climate Action KC.  
 00:10:04 --> 00:10:08: I'm also an active you like Kansas City member and  
 00:10:08 --> 00:10:12: the building energy Exchange and ULI Kansas City came  
 together  
 00:10:12 --> 00:10:14: for this initiative.  
 00:10:14 --> 00:10:17: We're thrilled to be a part of this to work  
 00:10:17 --> 00:10:20: with our cohort and to tap into all of you

00:10:20 --> 00:10:21: all eyes resources.

00:10:21 --> 00:10:27: Next slide, please. So before I get into our journey

00:10:27 --> 00:10:27: to.

00:10:27 --> 00:10:30: Net zero, I thought it would be helpful to describe

00:10:30 --> 00:10:33: exactly the context that we're working in.

00:10:33 --> 00:10:37: So the Kansas City region is a an area of

00:10:37 --> 00:10:39: over 2.1 million people.

00:10:39 --> 00:10:42: It straddles both sides of the state line.

00:10:42 --> 00:10:45: On the left you'll see the green counties are in

00:10:45 --> 00:10:48: Kansas and the blue counties are in Missouri.

00:10:48 --> 00:10:50: When folks are referring to Kansas City,

00:10:50 --> 00:10:52: they're often referring to Kansas City,

00:10:52 --> 00:10:56: MO, which is where our primary urban core is.

00:10:56 --> 00:10:57: But we also have Kansas City,

00:10:57 --> 00:10:59: KS. On the other side of state line,

00:10:59 --> 00:11:02: which is growing. We're also made of a lot of

00:11:02 --> 00:11:03: other urban,

00:11:03 --> 00:11:07: suburban and rural communities. As an architect and urban

00:11:07 --> 00:11:11: planner,

00:11:11 --> 00:11:15: I must state that Kansas City is filled with beautiful

00:11:15 --> 00:11:18: historic architecture and our parks and Blvd systems are

00:11:18 --> 00:11:21: designed

00:11:21 --> 00:11:23: by George Kessler during the city Beautiful movement.

00:11:23 --> 00:11:25: It provides a city within a park feel for much

00:11:25 --> 00:11:31: of our urban core just to give you a sense

00:11:31 --> 00:11:32: of what it feels like to to live in Kansas

00:11:32 --> 00:11:36: City. Next slide, please. So Kansas City is on the

00:11:36 --> 00:11:36: rise.

00:11:36 --> 00:11:36: Recent census data shows that our downtown area has

00:11:36 --> 00:11:40: grown

00:11:40 --> 00:11:41: 29%

00:11:41 --> 00:11:44: in the last ten years due to substantial investment in

00:11:44 --> 00:11:47: our historic buildings,

00:11:47 --> 00:11:49: outdoor spaces, and public transit.

00:11:49 --> 00:11:52: The Kansas City Streetcar, which debuted in 2016 far

00:11:52 --> 00:11:56: exceeded

00:11:56 --> 00:12:00: predicted ridership,

00:12:00 --> 00:12:03: and in 2020 received \$65 million in federal funding for

00:12:03 --> 00:12:07: its expansion and the new Kansas City Airport is the

00:12:07 --> 00:12:10: largest single infrastructure project in our history.

00:12:10 --> 00:12:10: And will debut in 2023.

00:12:10 --> 00:12:10: Next slide is. This just gives you a sense of

00:12:10 --> 00:12:10: the urban context of Kansas City and some of its

00:12:10 --> 00:12:12: neighborhoods,  
 00:12:12 --> 00:12:13: including not just the downtown,  
 00:12:13 --> 00:12:17: but some of our smaller municipalities.  
 00:12:17 --> 00:12:20: You can see there's a lot of culture and urban  
 00:12:20 --> 00:12:25: revitalization that has happened over the past two decades.  
 00:12:25 --> 00:12:29: Next slide, please. So I would be remiss about talking  
 00:12:29 --> 00:12:33: about the spirit of Kansas City without mentioning sports.  
 00:12:33 --> 00:12:36: The Royals on the left.  
 00:12:36 --> 00:12:39: This is a picture of us celebrating the the win  
 00:12:39 --> 00:12:41: of the World Series in 2015 and then on the  
 00:12:41 --> 00:12:42: right,  
 00:12:42 --> 00:12:45: the Chiefs winning the Super Bowl in 2020 and on  
 00:12:45 --> 00:12:48: the lower left is our Sporting KC playing in their  
 00:12:48 --> 00:12:51: state of the art stadium in Kansas City,  
 00:12:51 --> 00:12:53: KS and as some of you might have heard in  
 00:12:53 --> 00:12:55: the news this past week,  
 00:12:55 --> 00:12:58: we announced the first stadium to be built for.  
 00:12:58 --> 00:13:01: Women's professional soccer is being designed for the KC  
 00:13:01 --> 00:13:04: adjacents  
 00:13:04 --> 00:13:07: adjacent to our downtown or riverfront,  
 00:13:07 --> 00:13:10: so just I feel the need to mention this as  
 00:13:10 --> 00:13:13: this has been a really strong.  
 00:13:13 --> 00:13:16: Point of national recognition and attention for our city,  
 00:13:16 --> 00:13:17: and it has really built up a great energy for  
 00:13:17 --> 00:13:22: our growth.  
 00:13:22 --> 00:13:27: Next slide, please. So we have a strong architecture,  
 00:13:27 --> 00:13:31: engineering and construction community. We also have a  
 00:13:31 --> 00:13:33: strong UI  
 00:13:33 --> 00:13:36: community of 300 plus members heavily engaged in  
 00:13:36 --> 00:13:41: transforming our  
 00:13:41 --> 00:13:43: built environment here.  
 00:13:43 --> 00:13:47: We were honored to host the 2021 Heinz Competition,  
 00:13:47 --> 00:13:50: which studied a transformation of the East Village  
 00:13:50 --> 00:13:54: neighborhood of  
 00:13:54 --> 00:13:56: downtown and the winning team,  
 00:13:56 --> 00:13:59: embedded environmental resiliency into the entire  
 00:13:59 --> 00:14:03: development beautifully,  
 00:14:03 --> 00:14:05: which set the stage for this conversation.  
 00:14:05 --> 00:14:08: Next slide, please. So the Kansas City region is moving  
 00:14:08 --> 00:14:11: towards net zero,  
 00:14:11 --> 00:14:14: a net zero economy this past spring.  
 00:14:14 --> 00:14:17: Both Kansas and Missouri passed securitization legislation to  
 00:14:17 --> 00:14:20: move utilities



00:14:04 --> 00:14:05: away from fossil fuels.

00:14:05 --> 00:14:08: For those that are not familiar with securitization,

00:14:08 --> 00:14:12: the policies allow our regional utilities to address the sunk

00:14:12 --> 00:14:16: costs associated with coal generation and move aggressively towards net

00:14:16 --> 00:14:19: zero carbon emissions from the power sector.

00:14:19 --> 00:14:23: Also, the economy, the economic viability of wind,

00:14:23 --> 00:14:26: has also. Let the state of Kansas should grow from

00:14:26 --> 00:14:27: generating less than 1%

00:14:27 --> 00:14:31: of the state's electricity in 2005 to more than 40%

00:14:31 --> 00:14:34: today. And this growth makes Kansas number two in the

00:14:34 --> 00:14:36: nation for wind generation.

00:14:36 --> 00:14:40: With Missouri well positioned to significantly grow its wind

00:14:40 --> 00:14:45: energy

00:14:45 --> 00:14:48: economy and recently announced Kansas City manager

00:14:48 --> 00:14:51: Brian Platt,

00:14:51 --> 00:14:54: who is a fierce advocate for moving our region to

00:14:54 --> 00:14:58: net zero and announced that we will install a 2000

00:14:58 --> 00:14:59: acre solar farm which is proposed near KCI.

00:14:59 --> 00:15:05: Airport which would supply over 300 megawatts of power to

00:15:05 --> 00:15:11: our city.

00:15:11 --> 00:15:15: Next slide, please. So our movement towards net zero is

00:15:15 --> 00:15:19: primarily credited to the leadership of Climate Action KC,

00:15:19 --> 00:15:23: which the local nonprofit and the Mid-america Regional

00:15:23 --> 00:15:27: Council which

00:15:27 --> 00:15:31: is a metropolitan planning organization over the past two

00:15:31 --> 00:15:33: years,

00:15:33 --> 00:15:40: they have brought together over 150 elected officials and

00:15:40 --> 00:15:43: over

00:15:43 --> 00:15:47: 1000 volunteers to put together a regional climate action plan

00:15:47 --> 00:15:48: to address climate mitigation in 10 counties on both the

00:15:48 --> 00:15:52: Kansas and Missouri side. Next slide,

00:15:52 --> 00:15:57: please. It included a greenhouse gas emissions inventory,

00:15:57 --> 00:16:03: not surprising to anyone in this audience.

00:16:03 --> 00:16:04: 63% of Kansas City Metro area's greenhouse gas emissions

00:16:04 --> 00:16:08: are

00:16:08 --> 00:16:09: from buildings,

00:16:09 --> 00:16:13: so this really set the tone for our conversation around

00:16:13 --> 00:16:17: climate mitigation and how important buildings are in that

00:16:17 --> 00:16:21: process.

00:16:21 --> 00:16:25: Next slide, please. So the regional plan set three net

00:16:25 --> 00:16:29: zero goals,

00:16:29 --> 00:16:33: the first being all municipal government to be net zero

00:16:33 --> 00:16:37: by 2035,

00:16:09 --> 00:16:12: all buildings to be. Net 0 by 2050,  
00:16:12 --> 00:16:17: or sorry 2040 and economy wide by 2050.  
00:16:17 --> 00:16:19: If you're curious to learn more about our regional action  
00:16:19 --> 00:16:19: plan,  
00:16:19 --> 00:16:24: you can go to [climateactionkc.com](https://climateactionkc.com) next slide,  
00:16:24 --> 00:16:27: please. So as I mentioned at the top of the  
00:16:27 --> 00:16:28: presentation,  
00:16:28 --> 00:16:31: I am with the building energy exchange,  
00:16:31 --> 00:16:34: which is an initiative that came out of the climate  
00:16:34 --> 00:16:35: action KC.  
00:16:35 --> 00:16:39: Process our mission is to advance building energy  
00:16:39 --> 00:16:41: performance by  
00:16:41 --> 00:16:45: mobilizing the professional expertise,  
00:16:45 --> 00:16:46: funding and technical resources the real estate industry  
00:16:46 --> 00:16:49: needs to  
00:16:49 --> 00:16:52: address affordability,  
00:16:52 --> 00:16:56: improve the health and comfort of our residents and position  
00:16:56 --> 00:17:00: Kansas City as a resilient and carbon neutral region.  
00:17:00 --> 00:17:03: Next slide, please. So I think one of the,  
00:17:03 --> 00:17:05: UM, really key assets to the work we're doing here  
00:17:05 --> 00:17:10: is our regional partners and our national partners.  
00:17:10 --> 00:17:14: So we're I mentioned a couple of them already.  
00:17:14 --> 00:17:16: We're also working in close coordination with our utilities,  
00:17:16 --> 00:17:20: our local leadership at NRDC has connected us with really  
00:17:20 --> 00:17:20: strong national partners,  
00:17:20 --> 00:17:23: including working very closely with the building energy  
00:17:23 --> 00:17:27: exchange in  
00:17:27 --> 00:17:29: New York,  
00:17:29 --> 00:17:31: as well as the Institute for Market Transformation in DC,  
00:17:31 --> 00:17:34: NICEIC and Elevate. Energy we also have a twin on  
00:17:34 --> 00:17:39: the other side of the state line.  
00:17:39 --> 00:17:42: The building energy exchange in Saint Louis,  
00:17:42 --> 00:17:45: which is also being started at the same time.  
00:17:45 --> 00:17:48: Next slide please. So our ecosystem of partners have had  
00:17:48 --> 00:17:49: a lot of conversation around.  
00:17:49 --> 00:17:50: What are the tools to support the real estate industry  
00:17:50 --> 00:17:53: over the next few years to get us to net  
00:17:53 --> 00:17:57: zero?  
00:17:57 --> 00:18:00: You can see on the left there.  
00:18:00 --> 00:18:00: These are the initiatives and services we think get us  
00:18:00 --> 00:18:00: there.  
00:18:00 --> 00:18:00: The building energy exchange is involved in most if not  
00:18:00 --> 00:18:00: all of these in some capacity.

00:18:00 --> 00:18:02: The first is data analysis,  
 00:18:02 --> 00:18:03: which is to understand our impact,  
 00:18:03 --> 00:18:06: understand what markets we're going to focus on,  
 00:18:06 --> 00:18:08: and how that moves the needle,  
 00:18:08 --> 00:18:11: networking and events. It's it's.  
 00:18:11 --> 00:18:13: So important in our region to be able to talk  
 00:18:13 --> 00:18:17: about the importance of net zero and bring awareness as  
 00:18:17 --> 00:18:20: to why we should care about this as a region,  
 00:18:20 --> 00:18:22: technical and financial concierge services,  
 00:18:22 --> 00:18:27: this is essentially just handholding building the handholding  
 for building  
 00:18:27 --> 00:18:27: owners,  
 00:18:27 --> 00:18:29: helping them through the technical process,  
 00:18:29 --> 00:18:32: what's required, and what financial tools,  
 00:18:32 --> 00:18:35: rebates, etc are available to them.  
 00:18:35 --> 00:18:38: And where I think you will like and play a  
 00:18:38 --> 00:18:41: really pivotal role is in fund development.  
 00:18:41 --> 00:18:44: This is this is something that we've been conceptualizing for  
 00:18:44 --> 00:18:46: the past several months,  
 00:18:46 --> 00:18:50: but how we can actually create financial tools to incentivize  
 00:18:50 --> 00:18:51: this type of work.  
 00:18:51 --> 00:18:54: And then lastly, recognizing and replicating this work so we  
 00:18:54 --> 00:18:55: can truly scale it.  
 00:18:55 --> 00:18:58: This is not a we are not successful at it  
 00:18:58 --> 00:19:01: if we are only addressing a few,  
 00:19:01 --> 00:19:04: a handful of buildings, this is something that has to  
 00:19:04 --> 00:19:06: happen at a large scale across all markets.  
 00:19:06 --> 00:19:09: But as we try to hone in on what markets  
 00:19:09 --> 00:19:12: we felt were important to focus on 1st.  
 00:19:12 --> 00:19:16: Uhm, we really noticed how much multifamily housing by by  
 00:19:16 --> 00:19:21: applying all of these services to multifamily housing you can  
 00:19:22 --> 00:19:26: achieve a lot of policy objectives beyond just the energy  
 00:19:26 --> 00:19:33: efficiency and climate mitigation. The reduction of utility  
 burdens that  
 00:19:33 --> 00:19:38: increase in comfort and improvement of quality of life.  
 00:19:38 --> 00:19:43: All of these things are a additional benefit to the  
 00:19:43 --> 00:19:50: greenhouse gas emission reductions that come from energy  
 efficient apartments  
 00:19:50 --> 00:19:51: and housing.  
 00:19:51 --> 00:19:55: It also enables our communities to be more resilient and  
 00:19:56 --> 00:20:01: climate climate resilient as we look forward towards more  
 storm

00:20:01 --> 00:20:06: events and events in which power becomes more difficult to  
00:20:06 --> 00:20:08: depend on. In certain instances,  
00:20:08 --> 00:20:12: we look towards 72 hours of power without power that  
00:20:12 --> 00:20:16: allows you to be comfortable and healthy and safe in  
00:20:16 --> 00:20:19: your home and and housing plays a key role in  
00:20:19 --> 00:20:24: that next slide please. So as I mentioned,  
00:20:24 --> 00:20:28: the energy Efficiency Investment Fund we were working with  
Lisk  
00:20:28 --> 00:20:30: and in our DC to pool public,  
00:20:30 --> 00:20:36: private and philanthropic capital to facilitate energy efficiency  
design and  
00:20:36 --> 00:20:37: retrofits,  
00:20:37 --> 00:20:40: we would like to prioritize low to moderate income  
communities  
00:20:40 --> 00:20:41: and affordable housing.  
00:20:41 --> 00:20:44: An area in which list works in readily already.  
00:20:44 --> 00:20:47: This is again where I think you will like and  
00:20:47 --> 00:20:51: server really strong role in helping us understand the best  
00:20:51 --> 00:20:53: practices for administering.  
00:20:53 --> 00:20:56: This fund, as this is not a new concept.  
00:20:56 --> 00:20:59: You know as you look towards examples of green banks  
00:20:59 --> 00:21:02: and other energy efficiency investment funds,  
00:21:02 --> 00:21:05: it's been a real success story in terms of economic  
00:21:05 --> 00:21:08: development and workforce development,  
00:21:08 --> 00:21:10: and we'd like to replicate that here.  
00:21:10 --> 00:21:15: Next slide, please. So I'll just end there and say  
00:21:15 --> 00:21:16: thank you.  
00:21:16 --> 00:21:18: This picture is a picture of the Missouri River and  
00:21:18 --> 00:21:21: in the center there is a development called Second and  
00:21:21 --> 00:21:22: Delaware.  
00:21:22 --> 00:21:27: It is the world's largest passive multifamily Passivhaus  
project.  
00:21:27 --> 00:21:31: I've heard that Jonathan Rose might be.  
00:21:31 --> 00:21:35: Surpassing that that record with his new development in New  
00:21:35 --> 00:21:35: York.  
00:21:35 --> 00:21:38: But I think we are very proud to have had  
00:21:38 --> 00:21:41: the first multifamily building here.  
00:21:46 --> 00:21:48: Thank you very much. Ashley David.  
00:21:53 --> 00:21:55: Thank you, good afternoon, good morning everyone.  
00:21:55 --> 00:21:58: I'm so cool to hear what's going on in Kansas  
00:21:58 --> 00:22:02: City and can't wait to hear what's happening in other  
00:22:02 --> 00:22:02: cities.  
00:22:02 --> 00:22:05: Of course, housing was a crisis.

00:22:05 --> 00:22:08: You know here in LA before Kovid and so grappling  
00:22:08 --> 00:22:12: with a lot of the same issues and also working  
00:22:12 --> 00:22:14: on a green bank for Los Angeles.  
00:22:14 --> 00:22:18: So look forward to following up on that today.  
00:22:18 --> 00:22:23: I'm and and the partnership specifically that were coming in  
00:22:23 --> 00:22:24: on.  
00:22:24 --> 00:22:29: Today is is not focused specifically on the multifamily  
affordable  
00:22:29 --> 00:22:30: work,  
00:22:30 --> 00:22:34: but more so on a district scale approach that that's  
00:22:34 --> 00:22:39: really looking at leveraging existing infrastructure to develop  
what we're  
00:22:40 --> 00:22:45: starting to coin a distributed district energy opportunity where  
we're  
00:22:45 --> 00:22:50: tying in potentially many buildings to an existing central plan  
00:22:50 --> 00:22:52: and finding efficiencies there.  
00:22:52 --> 00:22:55: So with that I'll kind of jump in thanks.  
00:22:55 --> 00:22:59: Next slide please. So the the LA Better Buildings Challenge  
00:22:59 --> 00:23:03: is part of the DOS national competition that's been going  
00:23:03 --> 00:23:05: on for over 10 years now.  
00:23:05 --> 00:23:07: You know, the original goal was 20%  
00:23:07 --> 00:23:10: by 2020. Now we're setting new goals and our new  
00:23:10 --> 00:23:16: platform for collaboration with Dewey and National  
Renewable Energy Lab  
00:23:16 --> 00:23:20: and others is what we're calling the low carbon leaders  
00:23:20 --> 00:23:24: platform. And that's giving our partners who are the you  
00:23:24 --> 00:23:24: know,  
00:23:24 --> 00:23:27: really the leaders here, as in.  
00:23:27 --> 00:23:31: Atlanta and other better buildings challenge programs or  
2030 districts.  
00:23:31 --> 00:23:34: A chance to now go on the next step of  
00:23:34 --> 00:23:35: the journey,  
00:23:35 --> 00:23:38: right to do something that none of us have really  
00:23:38 --> 00:23:41: rolled up our sleeves and and dug into yet.  
00:23:41 --> 00:23:43: And we work in right at this.  
00:23:43 --> 00:23:50: This intersection, helping in this in this kind of brainstorming.  
00:23:50 --> 00:23:54: Business case development process. So we're somewhat  
unique in that  
00:23:54 --> 00:23:56: we are funded by our local utilities,  
00:23:56 --> 00:24:00: so the LA Department of Water and Power and Southern  
00:24:00 --> 00:24:03: California gas to work with real estate and to work  
00:24:03 --> 00:24:07: with those who seek to serve them to technology companies,  
00:24:07 --> 00:24:12: contractors, service providers to help projects come together

and and  
00:24:12 --> 00:24:17: hopefully help us row towards a together more efficiently,  
00:24:17 --> 00:24:19: right? There's a lot going on in LA and in  
00:24:19 --> 00:24:20: California,  
00:24:20 --> 00:24:22: and so how to. How to do that in a  
00:24:22 --> 00:24:26: way that sufficient leveraging resources is what we really  
focused  
00:24:26 --> 00:24:27: on next please?  
00:24:29 --> 00:24:32: So Eli is done a bunch of press releases lately,  
00:24:32 --> 00:24:34: but this this one was a media one that I  
00:24:34 --> 00:24:36: think a lot of people were scratching their heads.  
00:24:36 --> 00:24:39: What do I do with this?  
00:24:39 --> 00:24:42: The executive summary was like 27 pages,  
00:24:42 --> 00:24:45: but that's because the report was was really,  
00:24:45 --> 00:24:48: really in depth. So LA Now has not just like  
00:24:48 --> 00:24:50: a theoretical plan,  
00:24:50 --> 00:24:54: but an actual work plan or road map where we  
00:24:54 --> 00:24:56: could get to 100%  
00:24:56 --> 00:25:02: renewable energy on a very aggressive timeline that's now  
been  
00:25:02 --> 00:25:06: ratified by the board and more recently by City Council.  
00:25:06 --> 00:25:10: So these these announcements are starting to come and.  
00:25:10 --> 00:25:12: It's really important to the city,  
00:25:12 --> 00:25:17: of course, that commercial real estate have a front,  
00:25:17 --> 00:25:18: an important seat at the table.  
00:25:18 --> 00:25:21: As all of this is coming forward,  
00:25:21 --> 00:25:23: how do we bring this into reality?  
00:25:23 --> 00:25:25: And that's what I think this project is helping us  
00:25:26 --> 00:25:26: start to see.  
00:25:26 --> 00:25:29: It's an early example of of what are the kinds  
00:25:30 --> 00:25:33: of new models that we should be thinking about to  
00:25:33 --> 00:25:37: help make rapid progress on this so and next slide  
00:25:37 --> 00:25:43: please? So, so this is new for everybody.  
00:25:43 --> 00:25:46: Lots of folks involved. Lots of stakeholders.  
00:25:46 --> 00:25:49: As I mentioned, we've got you know legacy infrastructure,  
00:25:49 --> 00:25:52: really interesting history and and we think,  
00:25:52 --> 00:25:56: well, we know that in LA there are other similar  
00:25:56 --> 00:26:01: opportunities where there are existing central plants serving  
multiple buildings.  
00:26:01 --> 00:26:03: Whether that's in Century City,  
00:26:03 --> 00:26:06: under certain is over our universities elsewhere in Hollywood  
and  
00:26:06 --> 00:26:06: downtown,

00:26:06 --> 00:26:08: and throughout throughout the region.

00:26:08 --> 00:26:10: So we think there's some replik ability here.

00:26:10 --> 00:26:12: If we can figure it out,

00:26:12 --> 00:26:17: a model next slide, please.

00:26:17 --> 00:26:20: So Bunker Hill is is really fascinating history.

00:26:20 --> 00:26:23: It's literally the highest point in downtown,

00:26:23 --> 00:26:27: so it stands out literally where all of the skyscrapers

00:26:27 --> 00:26:28: are concentrated.

00:26:28 --> 00:26:32: For those who are sort of less familiar with LA

00:26:32 --> 00:26:35: or you didn't make it past the 405 when you

00:26:35 --> 00:26:36: came to visit.

00:26:36 --> 00:26:39: It's really interesting history, and we think that this is

00:26:39 --> 00:26:42: going to be a way into to really engage people

00:26:42 --> 00:26:42: in a way that we,

00:26:42 --> 00:26:46: we've. We've struggled to do honestly up to now and

00:26:46 --> 00:26:49: really need to do better and so fascinating history.

00:26:49 --> 00:26:52: And this this used to be a residential neighborhood,

00:26:52 --> 00:26:55: you know, the Ellee River was was flowing and and

00:26:55 --> 00:26:58: this was the most beautiful scenic area was the most

00:26:58 --> 00:26:58: expensive.

00:26:58 --> 00:27:02: You know, Victorian houses and and I I learned from

00:27:02 --> 00:27:06: a Tim Kalhara who's really involved with you all I

00:27:06 --> 00:27:06: hear.

00:27:06 --> 00:27:10: And the UCLA Simon Center that the original name for

00:27:10 --> 00:27:11: Grand Ave,

00:27:11 --> 00:27:13: which is now lined with let's go to the next

00:27:13 --> 00:27:14: slide,

00:27:14 --> 00:27:19: looks like this. Oops, I had a different slide in

00:27:19 --> 00:27:19: mind.

00:27:19 --> 00:27:22: Uh, should be should be a picture of Bunker Hill.

00:27:22 --> 00:27:23: Oh there it is OK,

00:27:23 --> 00:27:26: keep it here Sir. Now looks like this was once

00:27:26 --> 00:27:28: these little Victorian houses.

00:27:28 --> 00:27:32: Those were those were literally transported two exits up the

00:27:32 --> 00:27:33: 110 freeway.

00:27:33 --> 00:27:36: And now here since you know the Frank Gary designed

00:27:36 --> 00:27:39: Walt Disney Concert Hall and and now we're talking about,

00:27:39 --> 00:27:42: you know this. This net zero future opportunities.

00:27:42 --> 00:27:45: So that's really, really exciting and fascinating to kind of

00:27:45 --> 00:27:47: dig into the history as we.

00:27:47 --> 00:27:49: Try to envision a new future.

00:27:49 --> 00:27:53: Next please. So I I touched on this,

00:27:53 --> 00:27:56: but I really want to thank Marty Borko and and  
00:27:56 --> 00:27:59: Lisa and sarees and the team at ULI for your  
00:27:59 --> 00:28:03: your openness and your leadership and your collaboration  
here.

00:28:03 --> 00:28:07: And I be I. I'm I've been getting really excited  
00:28:07 --> 00:28:08: about the work.

00:28:08 --> 00:28:12: I should mention. UL ILA is launching a an an  
00:28:12 --> 00:28:13: Innovation Council,  
00:28:13 --> 00:28:17: an innovation District Council to help develop,  
00:28:17 --> 00:28:21: you know definitions and and ideas around innovation and.  
00:28:21 --> 00:28:25: And see those kind of across the different district councils  
00:28:26 --> 00:28:26: here.

00:28:26 --> 00:28:29: So I buy is really important partner there and this  
00:28:30 --> 00:28:30: is a,  
00:28:30 --> 00:28:33: you know a a going to be quite a team  
00:28:33 --> 00:28:33: effort.

00:28:33 --> 00:28:36: We can pull this thing off so I won't read  
00:28:36 --> 00:28:39: all of the logos but really excited about the partnership  
00:28:39 --> 00:28:42: and this platform that we've created here with with you.  
00:28:42 --> 00:28:45: Well I I'm really excited next please.

00:28:48 --> 00:28:50: So this is a little more detail on the low  
00:28:50 --> 00:28:54: Carbon Leaders Partnership model with with US DOE  
encourage anyone

00:28:54 --> 00:28:57: that hasn't heard about this to to reach out.

00:28:57 --> 00:29:01: You know they're developing great resources and rail is  
available,

00:29:01 --> 00:29:04: so if you're looking at Netzero retrofits,  
00:29:04 --> 00:29:07: definitely reach out to to to the DoD Better Buildings  
00:29:07 --> 00:29:11: initiative and and get plugged into that next please.

00:29:15 --> 00:29:18: So a common well so two of our existing partners  
00:29:18 --> 00:29:22: all coming on now where we're developing projects under  
this

00:29:22 --> 00:29:25: low carbon leaders model is Commonwealth partners.  
00:29:25 --> 00:29:30: They have on City National Plaza I believe since about  
00:29:30 --> 00:29:30: 2008.

00:29:30 --> 00:29:35: Iconic twin towers right there at the top of Bunker  
00:29:35 --> 00:29:36: Hill.

00:29:36 --> 00:29:38: And it's it's a very unique asset.

00:29:38 --> 00:29:43: I mean, they've they've invested significantly overtime and  
really driven

00:29:43 --> 00:29:47: deep efficiency at this building at both buildings.

00:29:47 --> 00:29:50: I should say I think they've won at least one  
00:29:50 --> 00:29:53: award from my organization over the years for their work,



00:29:53 --> 00:29:57: and they're actively engaged with ULI and with us to  
00:29:57 --> 00:29:58: develop a plan to.  
00:29:58 --> 00:30:02: Net zero emissions. And they're being very open and really  
00:30:02 --> 00:30:03: want to share their.  
00:30:03 --> 00:30:06: Their challenges and the solutions they develop.  
00:30:06 --> 00:30:07: You know they have some.  
00:30:07 --> 00:30:12: Some really unique infrastructure capabilities as I mentioned  
at these  
00:30:12 --> 00:30:12: assets,  
00:30:12 --> 00:30:17: which could enable really significant significant energy  
storage.  
00:30:17 --> 00:30:20: Whether that's thermal, battery or otherwise,  
00:30:20 --> 00:30:24: and so those are the opportunities that were diving into  
00:30:25 --> 00:30:29: with the Partners II was knowledge in before and and  
00:30:29 --> 00:30:33: and they're really open and collaborative to work with other  
00:30:33 --> 00:30:38: organizations. Uhm, utility providers to see you know how we  
00:30:38 --> 00:30:42: can together realize more than we more than we can  
00:30:42 --> 00:30:43: individually.  
00:30:43 --> 00:30:45: There's probably a quote that says that better,  
00:30:45 --> 00:30:47: but we have, you know,  
00:30:47 --> 00:30:52: an elohai in place together that puts that intent down  
00:30:52 --> 00:30:56: and and working to now begin to socialize this idea  
00:30:57 --> 00:30:59: they are engaged will say early,  
00:30:59 --> 00:31:02: engaged with the owners of the central plant,  
00:31:02 --> 00:31:05: which is a separate entity.  
00:31:05 --> 00:31:09: Learning about their plans and exploring potential synergies  
there and  
00:31:09 --> 00:31:10: so it's it's early stage,  
00:31:10 --> 00:31:13: but we're really excited to get looped into that.  
00:31:13 --> 00:31:17: And again, for for you lie to help provide that  
00:31:17 --> 00:31:22: platform that container for that conversation to happen.  
00:31:22 --> 00:31:26: There's another project connected to this which starts to get  
00:31:26 --> 00:31:29: the idea going and and that's the next slide,  
00:31:29 --> 00:31:33: please. The Museum of Contemporary Art.  
00:31:33 --> 00:31:37: We are also engaged on a second phase of work  
00:31:37 --> 00:31:37: there.  
00:31:37 --> 00:31:40: They also won an award for some work they did.  
00:31:40 --> 00:31:44: We were pretty involved with a couple years back.  
00:31:44 --> 00:31:47: They needed to replace all of the HV AC systems  
00:31:47 --> 00:31:51: at the museum which were at the end of their  
00:31:51 --> 00:31:52: useful life.  
00:31:52 --> 00:31:56: They were creating a risk to the collection and obviously  
00:31:56 --> 00:32:00: you know billions of dollars worth of art there.

00:32:00 --> 00:32:02: So that work was completed.

00:32:02 --> 00:32:09: Now the museum has formed a Sustainability Council really.

00:32:09 --> 00:32:12: Really great, really powerful group of folks,

00:32:12 --> 00:32:15: and they're doing amazing programming as well to get

00:32:16 --> 00:32:17: the message out.

00:32:17 --> 00:32:19: So again, you know, here we're talking during cop.

00:32:19 --> 00:32:22: I would suggest everybody check into what Mocha is doing.

00:32:22 --> 00:32:25: It's really really powerful and featuring artists that are doing

00:32:25 --> 00:32:27: really great work that that helped.

00:32:27 --> 00:32:30: These ideas hit home and resonate,

00:32:30 --> 00:32:34: but this building is on the loop on the same

00:32:34 --> 00:32:39: loop on the central plant and so it's it's connected

00:32:39 --> 00:32:39: and.

00:32:39 --> 00:32:41: These opportunities are connected, Sir,

00:32:41 --> 00:32:44: very excited to see you know how those dots start

00:32:44 --> 00:32:46: to start to come together next,

00:32:46 --> 00:32:51: please. Uhm so so I think I've kind of touched

00:32:51 --> 00:32:52: on this.

00:32:52 --> 00:32:55: I'll I'll give back some time to the other presenters,

00:32:55 --> 00:32:57: but you know what is the road map here in

00:32:58 --> 00:33:00: being really intentional about documenting?

00:33:00 --> 00:33:01: What are the components of that?

00:33:01 --> 00:33:04: What do we think you know could be replicable?

00:33:04 --> 00:33:07: That has a a counterpoint in another in another market.

00:33:07 --> 00:33:10: So being very intentional about that next please.

00:33:12 --> 00:33:16: As I mentioned, this is very dumb place based and

00:33:16 --> 00:33:20: then the potential that we see here is and that's

00:33:20 --> 00:33:24: being explored at an early stage is to tie additional

00:33:24 --> 00:33:30: buildings into the central plant and using smart buildings

00:33:30 --> 00:33:35: technologies

00:33:30 --> 00:33:35: tie those together and optimize across multiple plants

00:33:35 --> 00:33:40: simultaneously.

00:33:35 --> 00:33:40: There are opportunities there. They are the largest senior

00:33:40 --> 00:33:44: affordable

00:33:40 --> 00:33:44: housing project West of the Mississippi is on Bunker Hill.

00:33:44 --> 00:33:46: It's also a partner that we're involved with.

00:33:46 --> 00:33:50: It's been retrofitted recently, but they have opportunities to

00:33:50 --> 00:33:50: use

00:33:50 --> 00:33:50: waste heat.

00:33:50 --> 00:33:55: So these are the kinds of infrastructure plays that are

00:33:55 --> 00:34:01: potentially there that we're we're looking forward to digging

00:34:01 --> 00:34:04: into.

00:34:01 --> 00:34:04: Next slide, please. I think this is just a you

00:34:04 --> 00:34:08: know a visual of where this currently stands,  
00:34:08 --> 00:34:12: and I think I'll go ahead onto the next slide.  
00:34:12 --> 00:34:16: So you know really excited about the opportunity for impact  
00:34:16 --> 00:34:17: here to really,  
00:34:17 --> 00:34:21: you know, look at opportunities for system level change and  
00:34:21 --> 00:34:24: what are the new models that we can find here  
00:34:24 --> 00:34:27: and then those are the ones we replicate.  
00:34:27 --> 00:34:31: So I think I have a little quote in here  
00:34:31 --> 00:34:34: to end up like to do next place.  
00:34:36 --> 00:34:40: So you know this isn't a future thing anymore.  
00:34:40 --> 00:34:43: We we need to be thinking about adaptation that star  
00:34:43 --> 00:34:46: languaging here in LA and and so that that distribution  
00:34:46 --> 00:34:48: right is is getting wider.  
00:34:48 --> 00:34:49: This isn't a future thing anymore,  
00:34:49 --> 00:34:52: so I'm excited to be here and look forward to  
00:34:52 --> 00:34:54: the rest of the day.  
00:34:54 --> 00:34:54: Thank you.  
00:34:56 --> 00:34:59: Thanks Dave, that was excellent.  
00:34:59 --> 00:35:01: Phoebe, can you tell us a bit about your plans  
00:35:02 --> 00:35:02: in Austin?  
00:35:04 --> 00:35:07: Hi, yes of course. Well everybody my name is Stevie  
00:35:07 --> 00:35:11: Ray Meadow and I work with the Office of Sustainability  
00:35:11 --> 00:35:14: and it is a really exciting time for our city.  
00:35:14 --> 00:35:18: We just got the Austin climate equity plan passed by  
00:35:18 --> 00:35:21: council on September 30th and so the work that we  
00:35:21 --> 00:35:26: will be doing in partnership with ULI another look  
00:35:26 --> 00:35:29: organizations  
00:35:29 --> 00:35:32: will be routed and taking at least one of the  
00:35:32 --> 00:35:33: goals and strategies from this plan and trying to to  
00:35:33 --> 00:35:35: advance it forward.  
00:35:35 --> 00:35:39: So I'll be focusing on.  
00:35:35 --> 00:35:39: The plan process and what's on that plan and then  
00:35:39 --> 00:35:43: kind of our research area specifically for this initiative so  
00:35:43 --> 00:35:44: we can go to the next  
00:35:44 --> 00:35:53: slide. Sorry, next slide please.  
00:36:17 --> 00:36:17: You don't  
00:36:17 --> 00:36:21: have control. This slides, but it should be on the  
00:36:21 --> 00:36:23: deck or I can also try sharing my screen if  
00:36:23 --> 00:36:24: it's not working.  
00:36:48 --> 00:36:50: It looks like we're having some technical challenges and I  
00:36:50 --> 00:36:52: do want to start maybe by describing  
00:36:52 --> 00:36:57: sure. Sure yeah, no problem at all so.

00:36:57 --> 00:37:00: So you know the the first thing I want to  
00:37:00 --> 00:37:02: kick off with is that the name of our climate  
00:37:02 --> 00:37:04: plan is the Austin climate equity plan,  
00:37:04 --> 00:37:07: and so equity and racial equity.  
00:37:07 --> 00:37:10: Specifically, you know, is defined in our city as the  
00:37:10 --> 00:37:14: condition would race no longer predicts quality of life  
outcomes,  
00:37:14 --> 00:37:18: and so for us it was very important to center  
00:37:18 --> 00:37:23: that as much as we were centering reducing carbon  
emissions  
00:37:23 --> 00:37:25: in our process and so.  
00:37:25 --> 00:37:26: As part of that process,  
00:37:26 --> 00:37:30: we really aim to intentionally recruit a diverse set of  
00:37:30 --> 00:37:34: participants in our plan and ensure that we were focused  
00:37:34 --> 00:37:36: on not just organizations that are,  
00:37:36 --> 00:37:38: you know, big green organizations,  
00:37:38 --> 00:37:40: or, you know, the private industry,  
00:37:40 --> 00:37:44: but also looking at organizations that work in social and  
00:37:44 --> 00:37:45: HealthEquity,  
00:37:45 --> 00:37:49: racial justice, etc. And so there was a lot of  
00:37:49 --> 00:37:53: effort to aim to make our engagement process more  
equitable.  
00:37:53 --> 00:37:55: Everybody involved in the plan didn't.  
00:37:55 --> 00:38:00: Equity training at the beginning of our process to really  
00:38:00 --> 00:38:05: ground ourselves in what that definition was and how we  
00:38:05 --> 00:38:06: wanted to.  
00:38:06 --> 00:38:09: To, you know, come together with a vision for what  
00:38:09 --> 00:38:13: reducing emissions while addressing racial equity would look  
like.  
00:38:13 --> 00:38:17: And then lastly, we also had an ambassadors process where  
00:38:17 --> 00:38:23: we recruited community members from historically  
underrepresented groups to be  
00:38:23 --> 00:38:25: a part of this process.  
00:38:25 --> 00:38:28: And so. One at one of,  
00:38:28 --> 00:38:30: you know the slides that I had here to just,  
00:38:30 --> 00:38:34: you know, start to really think about what that means.  
00:38:34 --> 00:38:36: Like many other cities in the United States,  
00:38:36 --> 00:38:39: Austin has a history of redlining.  
00:38:39 --> 00:38:42: And in in Austin there is a very specific WE  
00:38:43 --> 00:38:47: divide along one of our major highways called I35 and  
00:38:47 --> 00:38:49: so through forced displacement.  
00:38:49 --> 00:38:54: A lot of black communities and subsequently communities of  
color,

00:38:54 --> 00:38:58: were displaced to the eastern side of Austin.

00:38:58 --> 00:39:03: And then subsequently those areas where industrial zones leading to

00:39:03 --> 00:39:06: a power plant and and a tank form in that

00:39:07 --> 00:39:11: very area and there was a lot of community advocacy

00:39:11 --> 00:39:13: to aim to, you know.

00:39:13 --> 00:39:16: Shut down those areas and so it was really important

00:39:16 --> 00:39:20: for us to acknowledge that local environmental justice history.

00:39:20 --> 00:39:23: Thank you very much. So this is kind of the

00:39:23 --> 00:39:25: intersection of racial equity and climate change.

00:39:25 --> 00:39:27: I kind of gave the introduction to this,

00:39:27 --> 00:39:31: but. And we did develop an equity tool which I'll

00:39:31 --> 00:39:32: touch on a little bit

00:39:32 --> 00:39:33: like going. That's my

00:39:33 --> 00:39:34: computer is.

00:39:37 --> 00:39:40: Uh, yeah, it's it's. It's working well so we can

00:39:40 --> 00:39:42: go to the next slide from here.

00:39:51 --> 00:39:53: Sorry, is it still frozen?

00:39:53 --> 00:39:57: OK, perfect, so this is what I was mentioning that

00:39:57 --> 00:40:01: you know we have a history of environmental justice issues

00:40:01 --> 00:40:03: in in our city and at the same time we

00:40:04 --> 00:40:07: acknowledge that a lot of what's happening currently.

00:40:07 --> 00:40:10: I know, you know, a couple of my the other

00:40:10 --> 00:40:12: percenters touched on the housing crisis,

00:40:12 --> 00:40:15: but gentrification is is very it's.

00:40:15 --> 00:40:19: It's an ongoing issue here in Austin and it's very

00:40:19 --> 00:40:23: important for us to really think about housing on top

00:40:23 --> 00:40:24: of,

00:40:24 --> 00:40:26: you know. Energy efficiency, and that's your building.

00:40:26 --> 00:40:28: And all those things and and try to think about

00:40:28 --> 00:40:30: those disparities that we see in homeownership.

00:40:30 --> 00:40:33: The displacement that we continue to see in our cities

00:40:33 --> 00:40:36: and to just be grounded in that type of history

00:40:36 --> 00:40:38: so we can go to the next slide.

00:40:46 --> 00:40:48: And so the next one I'll kind of start off

00:40:48 --> 00:40:49: with introducing it.

00:40:49 --> 00:40:52: So this was our equitable process really.

00:40:52 --> 00:40:56: Starting with the history, looking at data on quality of

00:40:56 --> 00:41:00: life outcomes and then ensuring that we were putting climate

00:41:00 --> 00:41:01: and equity.

00:41:01 --> 00:41:05: You know, together as part of all of our goals

00:41:05 --> 00:41:06: and strategies,

00:41:06 --> 00:41:09: and then make it an iterative process where we consistently  
00:41:09 --> 00:41:12: evaluating and so will go to the next slide.  
00:41:16 --> 00:41:17: I think it's going to take a second,  
00:41:17 --> 00:41:21: but the next one is is our carbon footprint and  
00:41:21 --> 00:41:22: in Austin,  
00:41:22 --> 00:41:26: you know in this is from from 2019 the electricity  
00:41:26 --> 00:41:30: grid in Austin is unique in that we have a  
00:41:30 --> 00:41:34: municipality as our local utility and so there is,  
00:41:34 --> 00:41:39: I think, more flexibility to be aggressive with renewable  
energy  
00:41:39 --> 00:41:42: goals and so you know quickly transportation,  
00:41:42 --> 00:41:44: like you know, in much of the country,  
00:41:44 --> 00:41:47: is becoming the largest source of emissions.  
00:41:47 --> 00:41:50: That being said, you know when we were thinking about  
00:41:50 --> 00:41:51: buildings,  
00:41:51 --> 00:41:53: it's like, yes, the the grid is getting cleaner then  
00:41:53 --> 00:41:56: we have also on site combustion with natural gas that  
00:41:56 --> 00:41:59: we need to think about refrigerants that we need to  
00:41:59 --> 00:42:02: think about. And this is without even looking at scope  
00:42:02 --> 00:42:05: 3 emissions and the embodied carbon impact of buildings.  
00:42:05 --> 00:42:07: But then when we're thinking about equity,  
00:42:07 --> 00:42:11: what does it mean to actually have better indoor air  
00:42:11 --> 00:42:14: quality and reduced energy costs and energy burden?  
00:42:14 --> 00:42:17: And all of those other additional code benefits?  
00:42:17 --> 00:42:22: To reducing energy on site and so yeah,  
00:42:22 --> 00:42:24: so we'll go to the next slide.  
00:42:28 --> 00:42:31: And the next one and just shows you something that  
00:42:31 --> 00:42:33: we did with this climate plan.  
00:42:33 --> 00:42:36: That was really it pretty,  
00:42:36 --> 00:42:40: you know, a big kind of overarching goal is that  
00:42:40 --> 00:42:41: we are,  
00:42:41 --> 00:42:42: we proposed a new goal of being.  
00:42:42 --> 00:42:45: Net zero by 2040. So really,  
00:42:45 --> 00:42:49: being much more aggressive than the original 2050 goal,  
00:42:49 --> 00:42:52: this was after a lot of community advocacy.  
00:42:52 --> 00:42:55: That said, you know the science is showing that we  
00:42:55 --> 00:42:58: need to be more aggressive than previously thought to avoid  
00:42:59 --> 00:43:00: high levels of warming up.  
00:43:00 --> 00:43:03: Course this, uh. This is,  
00:43:03 --> 00:43:06: you know, I think one of those things that that  
00:43:06 --> 00:43:09: gets very difficult because we need so much regional  
collaboration  
00:43:09 --> 00:43:11: and we need this to be really like an at

00:43:11 --> 00:43:15: large policy. But I think from from a standpoint of  
00:43:15 --> 00:43:18: advocacy and recognizing the urgency of the crisis,  
00:43:18 --> 00:43:22: this was a really important move for for our community  
00:43:22 --> 00:43:24: and we can move on to the next slide.  
00:43:26 --> 00:43:28: And so just you know,  
00:43:28 --> 00:43:31: the next slide is a summary of our plan.  
00:43:31 --> 00:43:34: Really just looking holistically at one.  
00:43:34 --> 00:43:36: How many strategies we had,  
00:43:36 --> 00:43:41: the different goals, the goals are to 2030 and then  
00:43:41 --> 00:43:43: the strategies,  
00:43:43 --> 00:43:45: yes. So so the goals are to 2030 and the  
00:43:45 --> 00:43:48: strategies are things that we can implement in the next  
00:43:48 --> 00:43:49: five years.  
00:43:49 --> 00:43:51: And again, because this was an equitable process,  
00:43:51 --> 00:43:56: we were really thinking about targeting incentives and  
thinking about  
00:43:56 --> 00:43:57: anti displacement.  
00:43:57 --> 00:44:01: Thinking about the role of a just transition health benefits,  
00:44:01 --> 00:44:04: you know all these other things that it's like we  
00:44:04 --> 00:44:07: don't just want to think about disproportionate impacts,  
00:44:07 --> 00:44:09: but also just proportionate benefits,  
00:44:09 --> 00:44:11: right? Or, you know, that's a weird way to think  
00:44:11 --> 00:44:11: about it,  
00:44:11 --> 00:44:14: but it is something that we need to address.  
00:44:14 --> 00:44:18: You know, we want communities who can benefit the most  
00:44:18 --> 00:44:19: from this to to be centered,  
00:44:19 --> 00:44:23: and so we'll go to the next slide.  
00:44:23 --> 00:44:29: Which is going to be an overview of our utilities  
00:44:29 --> 00:44:31: 2030 grid goals,  
00:44:31 --> 00:44:36: and so this is Austin Austin Energy's research generation  
plan.  
00:44:36 --> 00:44:41: It is, you know, really aiming to have carbon free  
00:44:41 --> 00:44:42: energy by 2035.  
00:44:42 --> 00:44:50: A lot here for conservation and reducing peak capacity.  
00:44:50 --> 00:44:54: And uhm. Thinking about community,  
00:44:54 --> 00:44:57: solar, local source, solar storage,  
00:44:57 --> 00:45:02: and retiring some natural gas plant and and so and  
00:45:02 --> 00:45:03: again.  
00:45:03 --> 00:45:06: Thinking holistically about equity. And so this is a really  
00:45:06 --> 00:45:10: important process that is complementary to the goals that we  
00:45:10 --> 00:45:12: have in the climate plan.  
00:45:12 --> 00:45:13: And so for the next slide,

00:45:13 --> 00:45:17: I'll touch on the you know what was found in  
00:45:17 --> 00:45:21: the climate plan goals that were specifically focusing on for  
00:45:21 --> 00:45:22: this initiative.

00:45:22 --> 00:45:26: So next slide please. And and so,  
00:45:26 --> 00:45:29: thinking about this kind of cleaner grid mix that we're  
00:45:29 --> 00:45:32: going to be seeing and we really wanted to focus  
00:45:32 --> 00:45:32: on.

00:45:32 --> 00:45:37: OK, so we want for new buildings to be net  
00:45:37 --> 00:45:38: zero carbon.

00:45:38 --> 00:45:42: We want to reduce emissions from existing buildings,  
00:45:42 --> 00:45:44: and then we want to make sure that we're putting  
00:45:44 --> 00:45:47: something in there about reducing natural gas emissions as well.

00:45:47 --> 00:45:50: And so these are some of the strategies.

00:45:50 --> 00:45:53: And of course, you know for more details you can  
00:45:53 --> 00:45:55: review our climate plan but.

00:45:55 --> 00:45:59: An essentially we're trying to make sure that we're spreading  
00:45:59 --> 00:46:00: equitable benefits,  
00:46:00 --> 00:46:04: and that we're still doing outreach and then really designing  
00:46:04 --> 00:46:08: buildings to be energy efficient and to be net zero  
00:46:08 --> 00:46:09: carbon.

00:46:09 --> 00:46:11: And then, you know, as part of all of this  
00:46:11 --> 00:46:16: really thinking about the workforce development aspect of things,

00:46:16 --> 00:46:20: and so with the next slide.

00:46:20 --> 00:46:23: I want to touch on just how we chose to  
00:46:23 --> 00:46:26: define net zero carbon buildings and so it is,  
00:46:26 --> 00:46:30: you know, if we're talking about operational carbon because I  
00:46:30 --> 00:46:33: know a lot of net zero definitions are moving towards  
00:46:33 --> 00:46:35: that embodied carbon aspect,  
00:46:35 --> 00:46:39: but this is operational carbon and then really thinking about  
00:46:39 --> 00:46:43: a highly efficient building that it's entirely powered by on  
00:46:43 --> 00:46:45: or off site renewable energy,  
00:46:45 --> 00:46:48: and so really thinking about reducing,  
00:46:48 --> 00:46:51: you know, the the energy.

00:46:51 --> 00:46:55: Use of buildings and thinking about you know passive  
00:46:55 --> 00:46:57: buildings  
00:46:57 --> 00:46:58: and then thinking about how it you know you can  
00:46:58 --> 00:47:01: either have energy renewable energy on site or create  
00:47:01 --> 00:47:05: procuring  
00:47:05 --> 00:47:05: it elsewhere. Or you know as it's kind of an  
00:47:05 --> 00:47:09: end goal,  
00:47:09 --> 00:47:09: really having that 100% clean energy coming from from the



00:47:09 --> 00:47:13: utility space and then from the natural gas end either  
00:47:13 --> 00:47:16: thinking about electric buildings or having I.  
00:47:16 --> 00:47:19: I think you know our our local gas utility has  
00:47:19 --> 00:47:20: also been.  
00:47:20 --> 00:47:24: Looking into renewable natural gas and so thinking about all  
00:47:24 --> 00:47:28: those different kind of intersections coming together to create  
00:47:28 --> 00:47:31: vision and so for the next slide,  
00:47:31 --> 00:47:34: you know, just wanted to put kind of like our  
00:47:34 --> 00:47:36: our main question here for study area,  
00:47:36 --> 00:47:40: which is what would get developers on board with  
00:47:40 --> 00:47:40: implementing  
00:47:40 --> 00:47:40: Nets,  
00:47:40 --> 00:47:43: your initiatives in commercial and multifamily buildings,  
00:47:43 --> 00:47:46: and I think for us and in part of our  
00:47:46 --> 00:47:49: motivation for getting into this would be,  
00:47:49 --> 00:47:51: you know with the next slide.  
00:47:51 --> 00:47:54: Kind of going over some of our goals here and  
00:47:54 --> 00:47:57: to really understand the barriers for advancing.  
00:47:57 --> 00:48:02: Net zero goals and spreading awareness and catalyzing  
00:48:02 --> 00:48:06: enthusiasm for advancing these climate equity goals.  
00:48:06 --> 00:48:10: Really facilitating authentic conversations and relationship  
00:48:10 --> 00:48:11: building with the development  
00:48:11 --> 00:48:13: community.  
00:48:11 --> 00:48:13: And then, of course, learn from other cities I already  
00:48:13 --> 00:48:16: learned so much from all of these other presentations.  
00:48:16 --> 00:48:18: But, you know, we really try to have a lot  
00:48:18 --> 00:48:19: of people at the table,  
00:48:19 --> 00:48:22: but we recognize that the development community.  
00:48:22 --> 00:48:25: We definitely have work as far as ensuring that we're  
00:48:25 --> 00:48:29: engaging with them and having these conversations and,  
00:48:29 --> 00:48:30: and I think you know,  
00:48:30 --> 00:48:33: as as an aside that we'll be focusing on Netzero.  
00:48:33 --> 00:48:36: Kind of, you know, carbon buildings.  
00:48:36 --> 00:48:40: The rest of our plan I have on on the  
00:48:40 --> 00:48:41: next slide.  
00:48:41 --> 00:48:46: Does have strategies about reducing you know refrigerant  
00:48:46 --> 00:48:51: leakage and  
00:48:51 --> 00:48:52: reducing our embodied carbon footprint and reducing our  
00:48:52 --> 00:48:54: water demand  
00:48:52 --> 00:48:54: from buildings?  
00:48:52 --> 00:48:54: And so my hope is that you know we will

00:48:54 --> 00:48:57: start off this conversation via net zero buildings,

00:48:57 --> 00:49:02: but then also continue this and start this relationship to

00:49:02 --> 00:49:05: advance these other equity goals as well.

00:49:05 --> 00:49:08: And so the last slide here is is just from

00:49:08 --> 00:49:10: our engagement process,

00:49:10 --> 00:49:12: which I think is. Is a really important slide to

00:49:12 --> 00:49:15: see out of all of the community conversations that are

00:49:16 --> 00:49:16: ambassadors.

00:49:16 --> 00:49:19: Had you know this was kind of a word bubble

00:49:19 --> 00:49:22: of the key terms that we kept hearing over and

00:49:22 --> 00:49:22: over?

00:49:22 --> 00:49:24: When you ask people about climate change,

00:49:24 --> 00:49:27: and I think it's really important for us working in

00:49:27 --> 00:49:31: the mitigation space to really know and understand that

00:49:31 --> 00:49:34: resilience,

00:49:34 --> 00:49:37: adaptation, extreme weather, climate hazards,

00:49:37 --> 00:49:40: all of these things are really important to the community.

00:49:40 --> 00:49:41: And so when we're talking about net zero buildings,

00:49:41 --> 00:49:45: it's really important that we use.

00:49:45 --> 00:49:45: The lens of how this can advance climate resiliency and

00:49:45 --> 00:49:48: equity?

00:49:48 --> 00:49:50: You know in all of these other issues that I

00:49:50 --> 00:49:52: think are affecting the community,

00:49:52 --> 00:49:55: so that is my last slide.

00:49:55 --> 00:49:57: Thank you very much and I'll post our climate plan

00:50:02 --> 00:50:05: link here in the chat.

00:50:05 --> 00:50:07: Thank you so much baby.

00:50:07 --> 00:50:08: So like the rest of our panels will come back

00:50:08 --> 00:50:11: on video was I.

00:50:11 --> 00:50:11: I recognize the times I will ask one question and

00:50:11 --> 00:50:14: then,

00:50:14 --> 00:50:15: but I encourage folks who are participating or viewing this

00:50:15 --> 00:50:19: web and artist.

00:50:19 --> 00:50:20: Submit your questions in the Q&A and we'll get to

00:50:20 --> 00:50:22: those you ask.

00:50:22 --> 00:50:26: After a quick response to my initial question.

00:50:26 --> 00:50:27: So three really interesting projects,

00:50:27 --> 00:50:31: right with different focus. You know,

00:50:31 --> 00:50:35: green finance district energy and or specific district utilizing

00:50:35 --> 00:50:37: both

00:50:37 --> 00:50:40: building energy efficiency and an existing district system to.

00:50:37 --> 00:50:40: To figure out what is possible,

00:50:37 --> 00:50:40: and then Phoebe, really, you know implementation and

getting the  
00:50:40 --> 00:50:44: developer community on board from one of the critical  
elements  
00:50:44 --> 00:50:47: of of the climate justice plan coming at Austin.  
00:50:47 --> 00:50:50: But one of the common themes that I heard from  
00:50:50 --> 00:50:53: from each of you is on the imperative of social  
00:50:53 --> 00:50:57: equity and racial justice in this climate and decarbonisation  
movement,  
00:50:57 --> 00:50:59: and I wondered, and you each went to some level  
00:50:59 --> 00:51:00: of specifics,  
00:51:00 --> 00:51:02: but I love each of you to dive a bit  
00:51:02 --> 00:51:05: further into how that conversation is going in your respective.  
00:51:05 --> 00:51:09: Cities and the importance of tying decarbonization to climate  
justice  
00:51:09 --> 00:51:10: and racial justice.  
00:51:10 --> 00:51:14: You know, in terms of creating the momentum to move  
00:51:14 --> 00:51:17: forward and address those issues simultaneously.  
00:51:17 --> 00:51:19: And I think I'll probably will go to Ashley 'cause  
00:51:19 --> 00:51:21: she had the the most time off camera.  
00:51:23 --> 00:51:25: Uhm, yeah, I think you know.  
00:51:25 --> 00:51:27: I'm not sure if I use the word incentive when  
00:51:27 --> 00:51:29: I described what we were doing,  
00:51:29 --> 00:51:32: but sometimes I hesitate to even use that word,  
00:51:32 --> 00:51:35: because particularly, you may experience this in your other  
cities,  
00:51:35 --> 00:51:38: but particularly here in Kansas City.  
00:51:38 --> 00:51:42: A lot of folks see economic development incentives as being  
00:51:42 --> 00:51:46: something that did not benefit their communities and and so  
00:51:47 --> 00:51:50: we have a lot of challenges ahead as we try  
00:51:50 --> 00:51:54: to develop. A tool to support communities through energy  
efficiency  
00:51:54 --> 00:51:58: and benefit their everyday life and in a way that  
00:51:58 --> 00:51:59: is effective.  
00:51:59 --> 00:52:02: And it does not get bogged down in the the  
00:52:02 --> 00:52:07: process and provides enough opportunity for community  
members to have  
00:52:07 --> 00:52:10: input in decision making power over that process.  
00:52:10 --> 00:52:14: And so as we talk about the the concept of  
00:52:14 --> 00:52:15: funding,  
00:52:15 --> 00:52:16: you know who gets that funding.  
00:52:16 --> 00:52:19: What is the metric that we set that funding and  
00:52:19 --> 00:52:20: you know,  
00:52:20 --> 00:52:22: as we all know? In development,

00:52:22 --> 00:52:25: certainty is important, and so to the extent that we  
00:52:25 --> 00:52:28: can create a system that sets a bar that the  
00:52:28 --> 00:52:32: that has community buy in and influence but allows the  
00:52:32 --> 00:52:35: process to move seamlessly thereafter.  
00:52:35 --> 00:52:38: That that's the goal. So I think there's a lot  
00:52:38 --> 00:52:41: of conversation around social equity as it relates to how  
00:52:41 --> 00:52:44: we proceed in and creating an incentive process.  
00:52:45 --> 00:52:50: Great thanks Ashley Dave. The perspective from LA.  
00:52:50 --> 00:52:50: Yeah,  
00:52:50 --> 00:52:52: absolutely. I'm you know, as I mentioned,  
00:52:52 --> 00:52:55: the focus of this collaboration or this piece of the  
00:52:55 --> 00:52:58: collaboration is this Bunker Hill project we do have,  
00:52:58 --> 00:53:02: you know, an equity lens and in everything we do,  
00:53:02 --> 00:53:05: and a big aspect of our work is on on  
00:53:05 --> 00:53:05: affordable,  
00:53:05 --> 00:53:09: multifamily and finding financing. There as I mentioned.  
00:53:09 --> 00:53:13: But. Yeah, I mean, I think you know across the  
00:53:13 --> 00:53:13: board,  
00:53:13 --> 00:53:16: you know LAD, WP just just published.  
00:53:16 --> 00:53:18: You know one of the first,  
00:53:18 --> 00:53:22: I think utility level racial equity action plans and they've  
00:53:22 --> 00:53:27: already begun implementing changes within the department  
00:53:27 --> 00:53:29: related to opportunities  
00:53:29 --> 00:53:33: for professional development.  
00:53:33 --> 00:53:35: You know they the the the guy who developed that  
00:53:35 --> 00:53:37: requires a friend of mine.  
00:53:37 --> 00:53:39: You know figured out that,  
00:53:39 --> 00:53:40: and I think this is worth sharing because we can  
00:53:40 --> 00:53:43: think within our own organizations.  
00:53:43 --> 00:53:48: Are there structural, you know,  
00:53:48 --> 00:53:51: policies in place that unintentionally have have big effects,  
00:53:51 --> 00:53:59: right? And So what he noticed was that a an  
00:53:59 --> 00:53:59: employee's options for professional development stems  
00:53:59 --> 00:53:59: specifically from their current  
00:53:59 --> 00:53:59: job.  
00:53:59 --> 00:54:01: It wasn't whatever they wanted to do.  
00:54:01 --> 00:54:03: It was whatever they related to their current job.  
00:54:03 --> 00:54:05: So if you're a janitor,  
00:54:05 --> 00:54:07: this example. You used, your options were to be an  
00:54:07 --> 00:54:08: advanced janitor,  
00:54:08 --> 00:54:09: not to become an engineer,  
00:54:09 --> 00:54:13: not to become a customer service agent or a manager.

00:54:13 --> 00:54:15: And so that's just an example of the kind of  
00:54:15 --> 00:54:19: change that you know he's already found within his  
organization.

00:54:19 --> 00:54:22: So, so we're just trying to do better ourselves,  
00:54:22 --> 00:54:26: I think, and just be be mindful as we do  
00:54:26 --> 00:54:26: this work.

00:54:26 --> 00:54:30: And of course you know there are the technical opportunities.  
00:54:30 --> 00:54:31: As I mentioned, you know,  
00:54:31 --> 00:54:35: in this project, potentially with with waste heat.

00:54:35 --> 00:54:38: You know that would be a utility,  
00:54:38 --> 00:54:41: right? That could be delivered essentially.  
00:54:41 --> 00:54:45: Carbon free very efficiently, but we need to figure out  
00:54:45 --> 00:54:48: you know that the model is going to be quite  
00:54:48 --> 00:54:49: complicated to do that.

00:54:49 --> 00:54:53: Involved multiple parties, so so I think as long as  
00:54:53 --> 00:54:55: we kind of keep that.  
00:54:55 --> 00:54:58: Idea front Center for ourselves and it'll it'll bring it  
00:54:58 --> 00:54:59: forward in the work,  
00:54:59 --> 00:55:00: I hope.

00:55:01 --> 00:55:06: Excellent Dave and actually you outline sort of where the  
00:55:06 --> 00:55:07: conversation has or.  
00:55:07 --> 00:55:11: Sorry Phoebe you you've outlined sort of where the  
conversation

00:55:11 --> 00:55:13: has gone in terms of you know,  
00:55:13 --> 00:55:17: embedding equity and racial justice into climate action in  
Austin.

00:55:17 --> 00:55:19: Lessons learned on how it got there.  
00:55:19 --> 00:55:21: You know, for other cities that may be less further  
00:55:21 --> 00:55:23: along and tying those two issues together.

00:55:24 --> 00:55:26: I'm sure,  
00:55:26 --> 00:55:29: yeah, so I think it it really started off with  
00:55:29 --> 00:55:33: with the intention and and the collaboration with our equity  
00:55:33 --> 00:55:34: office.

00:55:34 --> 00:55:36: You know many cities in in the country now have  
00:55:36 --> 00:55:39: an equity office or an office of human rights or  
00:55:39 --> 00:55:40: civil rights.

00:55:40 --> 00:55:43: And so I would encourage for the conversation to to  
00:55:43 --> 00:55:44: start there.

00:55:44 --> 00:55:47: You know with with that hand in hand collaboration,  
00:55:47 --> 00:55:50: because I think that was a central part of the  
00:55:50 --> 00:55:53: success of of this part of the engagement.

00:55:53 --> 00:55:57: I think dedicated. Like at least dedicated staff that's working  
00:55:57 --> 00:56:01: on community engagement as part of the processes.

00:56:01 --> 00:56:03: That was also a huge part of the process.

00:56:03 --> 00:56:04: You know, I came on board and I work on

00:56:04 --> 00:56:07: air quality issues and have helped with this climate plan,

00:56:07 --> 00:56:10: but we hired a person to do just community engagement

00:56:10 --> 00:56:12: who had a history of doing,

00:56:12 --> 00:56:15: organizing with local environmental justice organizations,

00:56:15 --> 00:56:16: which was a great lens.

00:56:16 --> 00:56:19: Already had a lot of connections in this space and

00:56:19 --> 00:56:23: and so it was through that intentional recruitment in collaboration

00:56:23 --> 00:56:25: with our equity office that that moved.

00:56:25 --> 00:56:28: Forward, and so I would say that that's a really

00:56:28 --> 00:56:31: important part of the work is to,

00:56:31 --> 00:56:34: you know, center the perspectives of people who are already

00:56:34 --> 00:56:37: and have been historically doing that work and and move

00:56:37 --> 00:56:38: forward with there.

00:56:38 --> 00:56:39: And be honest and be,

00:56:39 --> 00:56:43: you know, vulnerable and open to getting it wrong and

00:56:43 --> 00:56:44: having to you know work,

00:56:44 --> 00:56:46: work towards getting it right.

00:56:46 --> 00:56:47: 'cause I think that that's part of it.

00:56:47 --> 00:56:51: It's it's a lot of lessons learned along the way.

00:56:51 --> 00:56:53: Excellent, thank you Phoebe. Uh,

00:56:53 --> 00:56:55: my I think we have time for one or I'll

00:56:55 --> 00:56:56: squeeze in one more question from the audience.

00:56:56 --> 00:56:59: There were couple on this topic related to SCOPE 3

00:57:00 --> 00:57:03: emissions and I know most of these programs are focused

00:57:03 --> 00:57:05: on scope one and two at this point,

00:57:05 --> 00:57:08: but a bit of reflection on where the conversation is

00:57:08 --> 00:57:11: in your jurisdictions within your UI Councils and your partnerships

00:57:11 --> 00:57:13: on addressing scope.

00:57:13 --> 00:57:15: 3 emissions. I

00:57:15 --> 00:57:18: mean LA, you know it's car car city,

00:57:18 --> 00:57:21: right? Uhm, you know. Transportation,

00:57:21 --> 00:57:24: electrification of transportation is a huge topic here.

00:57:24 --> 00:57:25: It's also an equity issue,

00:57:25 --> 00:57:28: because most of us live in apartments,

00:57:28 --> 00:57:32: especially, you know, low income folks rent super high.

00:57:32 --> 00:57:36: And so, how? How to charge an electric vehicle physically,

00:57:36 --> 00:57:41: logistically is a problem. So you know something that they're

00:57:41 --> 00:57:42: really focused on.

00:57:42 --> 00:57:45: New business models are emerging,

00:57:45 --> 00:57:50: you know way. Looking at opportunities for from a land  
 00:57:50 --> 00:57:53: use perspective to cluster.  
 00:57:53 --> 00:57:56: In a fast charging capabilities around transit,  
 00:57:56 --> 00:57:58: you know there's new hub in little Tokyo.  
 00:57:58 --> 00:58:00: One of the one of our other partners owns an  
 00:58:00 --> 00:58:01: asset that's adjacent to that.  
 00:58:01 --> 00:58:03: It's not a huge parking lot,  
 00:58:03 --> 00:58:06: but we're exploring it. Can that can that become a  
 00:58:06 --> 00:58:07: hub of of,  
 00:58:07 --> 00:58:11: you know, concentrated EV charging infrastructure that will  
 encourage people  
 00:58:11 --> 00:58:14: commuting from the Inland Empire to have that get over  
 00:58:14 --> 00:58:14: that range.  
 00:58:14 --> 00:58:17: Anxiety be able to go all electric park and walk  
 00:58:18 --> 00:58:18: to City Hall.  
 00:58:18 --> 00:58:22: I mean that it's it's very walkable to create walk.  
 00:58:22 --> 00:58:25: But so you know, we're thinking about,  
 00:58:25 --> 00:58:29: you know, how can these projects start to like anchor  
 00:58:29 --> 00:58:32: these ideas and in reality gives someone a place to  
 00:58:32 --> 00:58:33: park.  
 00:58:33 --> 00:58:37: You know, their electric vehicle and walk to City Hall.  
 00:58:37 --> 00:58:39: And and you know what's the project that can be.  
 00:58:39 --> 00:58:42: That can be the first one and and those are  
 00:58:42 --> 00:58:44: the ones that were that we're starting to work on.  
 00:58:46 --> 00:58:48: Thanks Dave, Ashley, Phoebe anything to add?  
 00:58:50 --> 00:58:53: Yeah, I'll just add, you know coming from this from  
 00:58:54 --> 00:58:55: an architecture profession,  
 00:58:55 --> 00:58:59: I feel like the embodied carbon fee be touched on  
 00:58:59 --> 00:59:02: this a little bit too is always something that I  
 00:59:02 --> 00:59:03: think is top of mind.  
 00:59:03 --> 00:59:06: And as I've gotten into these conversations,  
 00:59:06 --> 00:59:09: I think the challenge is,  
 00:59:09 --> 00:59:11: you know, the greenest building is the one you don't  
 00:59:11 --> 00:59:11: build,  
 00:59:11 --> 00:59:14: right? You know the one that doesn't come with the  
 00:59:14 --> 00:59:17: embodied carbon of bringing all those materials on site.  
 00:59:17 --> 00:59:19: So I think we always need to be cognizant of  
 00:59:19 --> 00:59:20: that,  
 00:59:20 --> 00:59:21: because as much as we are.  
 00:59:21 --> 00:59:26: Developing new economic development opportunity.  
 00:59:26 --> 00:59:28: New workforce. New construction activity.  
 00:59:28 --> 00:59:31: We always need to make sure that it's being offset

00:59:32 --> 00:59:35: enough to justify the carbon emissions that it requires to  
 00:59:35 --> 00:59:36: get us there,  
 00:59:36 --> 00:59:39: and that's where one of the other questions that was  
 00:59:39 --> 00:59:40: mentioned was retrofits.  
 00:59:40 --> 00:59:43: And to the extent that retrofits play a really pivotal  
 00:59:43 --> 00:59:45: role in what we're doing,  
 00:59:45 --> 00:59:47: and I, I spoke a lot about kind of in  
 00:59:47 --> 00:59:51: the frame framing of new construction and major renovation  
 projects.  
 00:59:51 --> 00:59:55: Mostly because our policy. Framework right now is trying to  
 00:59:55 --> 01:00:00: push more in the IAC 2021 and strengthening the code,  
 01:00:00 --> 01:00:02: so that's kind of why we reflect that in our  
 01:00:02 --> 01:00:02: work.  
 01:00:02 --> 01:00:05: But the retrofit market is going to be the key  
 01:00:05 --> 01:00:07: factor to reducing emissions.  
 01:00:08 --> 01:00:10: Excellent thank you. Ashley. Phoebe,  
 01:00:10 --> 01:00:11: final words on this.  
 01:00:12 --> 01:00:15: Yeah, so you know, I think we're we're working on  
 01:00:15 --> 01:00:17: this and in different kind of sectors there's the building  
 01:00:17 --> 01:00:20: materials and of things where we're really trying to look  
 01:00:20 --> 01:00:22: at those big the concrete and steel,  
 01:00:22 --> 01:00:26: those big materials, and working alongside a lot of different  
 01:00:26 --> 01:00:29: organizations like CLF and other firms that are really focused  
 01:00:29 --> 01:00:29: on this.  
 01:00:29 --> 01:00:31: And then we have a whole section in our plan  
 01:00:31 --> 01:00:34: about food and product consumption and thinking,  
 01:00:34 --> 01:00:37: not just about like the individuals you know,  
 01:00:37 --> 01:00:40: purchasing and wasting decisions, but institutional  
 purchasing.  
 01:00:40 --> 01:00:43: How can we incentivize local?  
 01:00:43 --> 01:00:46: Big businesses, big organizations to come,  
 01:00:46 --> 01:00:49: you know, purchase, you know,  
 01:00:49 --> 01:00:52: more healthy food or or you know like a lower  
 01:00:52 --> 01:00:53: carbon food.  
 01:00:53 --> 01:00:56: And after that on the menu while thinking about equity  
 01:00:56 --> 01:00:59: as well and really working hand in hand with our  
 01:00:59 --> 01:01:01: Austin resource recovery,  
 01:01:01 --> 01:01:04: circular economy programs. And I think we're also doing a  
 01:01:04 --> 01:01:06: household consumption survey.  
 01:01:06 --> 01:01:08: And so you know again.  
 01:01:08 --> 01:01:12: But always thinking about health and always thinking about  
 the  
 01:01:12 --> 01:01:13: equity component.



01:01:13 --> 01:01:15: Of what it looks like to to think about individual  
 01:01:15 --> 01:01:19: purchasing 'cause I really feel like institutions and large scale  
 01:01:19 --> 01:01:21: is is where we need to focus,  
 01:01:21 --> 01:01:23: not to say individual action is not important,  
 01:01:23 --> 01:01:26: but I think it's important when we're thinking about all  
 01:01:26 --> 01:01:28: this to think about where the biggest levers and impacts  
 01:01:28 --> 01:01:29: are,  
 01:01:29 --> 01:01:32: and reducing barriers to some of these things as well.  
 01:01:32 --> 01:01:33: From from an individual level.  
 01:01:35 --> 01:01:37: Is it OK? I realize I I messed up my  
 01:01:37 --> 01:01:38: scopes,  
 01:01:38 --> 01:01:41: was talking about transportation but but yeah,  
 01:01:41 --> 01:01:43: embodied embodied carbon is absolutely a,  
 01:01:43 --> 01:01:45: you know, a big piece of what we're thinking about  
 01:01:45 --> 01:01:46: and studying here.  
 01:01:46 --> 01:01:47: The big focus on, you know,  
 01:01:47 --> 01:01:50: leveraging this this this legacy infrastructure.  
 01:01:50 --> 01:01:54: This existing infrastructure for a new a new life.  
 01:01:54 --> 01:01:55: It's a big you know,  
 01:01:55 --> 01:01:57: embodied carbon peace with that too.  
 01:01:57 --> 01:02:00: So and that's a really key part.  
 01:02:00 --> 01:02:04: Thanks for bringing me back on the correct answer scopes.  
 01:02:05 --> 01:02:07: No worries, I'll 3 scopes have to be tackled at  
 01:02:07 --> 01:02:08: the same time we're,  
 01:02:08 --> 01:02:10: you know, fully appreciative. Well,  
 01:02:10 --> 01:02:13: unfortunately we've come to the end of our hour.  
 01:02:13 --> 01:02:15: I think we could go on for a couple more,  
 01:02:15 --> 01:02:17: but you know, we all have to get back to  
 01:02:18 --> 01:02:19: doing the action.  
 01:02:19 --> 01:02:20: So thank you, Phoebe. Thank you,  
 01:02:20 --> 01:02:24: Ashley. Thank you Dave. 3 exemplary projects in this first  
 01:02:24 --> 01:02:27: cohort of eight in utilized new net Zero Imperative II.  
 01:02:27 --> 01:02:30: Truly look forward to seeing how these projects evolve and  
 01:02:30 --> 01:02:32: and and the step change you all are able to  
 01:02:32 --> 01:02:35: make an accelerating and then utilize stands.  
 01:02:35 --> 01:02:37: Behind you and hoping to leverage that elsewhere  
 01:02:37 --> 01:02:39: throughout the  
 01:02:39 --> 01:02:42: country and throughout the world,  
 01:02:39 --> 01:02:42: the webinar will be shared with all participants and and  
 01:02:42 --> 01:02:45: we and there's more information about.  
 01:02:45 --> 01:02:48: You know these and the other initial cohort of projects  
 01:02:48 --> 01:02:50: on the ULI website,

**01:02:50 --> 01:02:51:** which will also be shared.  
**01:02:51 --> 01:02:53:** Thank you for joining us and we look forward to  
**01:02:53 --> 01:02:54:** seeing you at the next few live webinars.  
**01:02:57 --> 01:02:58:** Thank you.

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