

LA100 EQUITY STRATEGIES



Los Angeles 100% Renewable Energy Equity Strategies

Advisory Committee Meeting #2 February 16, 2022

Summary¹

Schedule and Location

Wednesday, February 16th, 2022, 10:00 a.m. to 12:00 p.m.
Conducted virtually

Virtual Meeting #2 Attendees

Advisory Committee Members

Center for Energy Efficiency and Renewable Technologies (CEERT), John White, Jose Carmona (alternate)
Civil & Human Rights and Equity Department, Joey Garcia (alternate)
Council District 02 – Councilmember Paul Krekorian, Aaron Ordower
Council District 03 – Councilmember Bob Blumenfield, Jeff Jacobberger (alternate)
Council District 04 – Councilmember Nithya Raman, Josh Nuni (alternate)
Council District 05 – Councilmember Paul Koretz, Andy Shrader (alternate)
Council District 10 – Councilmember Mark Ridley-Thomas, Porsha Cropper, Yordanos Gebretatios (alternate)
Council District 11 – Councilmember Mike Bonin, Krista Kline (alternate)
Council District 12 – Councilmember John Lee, Hannah Lee (alternate)
Council District 13 – Councilmember Mitch O’Farrell, David Giron (alternate)
Council District 14 – Councilmember Kevin de Leon, Daniel Reeves
Council District 15 – Councilmember Joe Buscaino, Jacob Haik
Housing Authority of the City of Los Angeles, Marisela Ocampo, Lisette Belon (alternate)
International Brotherhood of Electrical Workers (IBEW), Gus Corona, Martin Marrufo (alternate)
LA Cleantech Incubator, Mayte Sanchez
Los Angeles City Planning Department (LACP), Arthi Varma, Shana Bonstin (alternate)
Los Angeles Department of Transportation, Seleta Reynolds, Connie Llanos (alternate), Sydia Reese (alternate)
Los Angeles World Airport (LAWA), Becca Doten (alternate)
Neighborhood Council Sustainability Alliance (Advisory Committee), Ernie Hidalgo
Office of Public Accountability (Rate Payer Advocate), Fred Pickel, Camden Collins (alternate)
Office of Los Angeles Mayor Eric Garcetti, Paul Lee (alternate), Nick Ryu (alternate)
Port of Los Angeles (POLA), Carlos C. Baldenegro
Sierra Club, Katherine Ramsey, Francis Yang (alternate)
Southern California Association of Non-Profit Housing, Chris Bowen (alternate)

¹ This summary is provided as an overview of the meeting and is not meant as an official record or transcript of everything presented or discussed. The summary was prepared to the best of the ability of the notetakers.



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University of Southern California Equity Research Institute, Vanessa Carter, Edward Muna (alternate)

LADWP Board of Commissioners

Cynthia McClain Hill, President

LADWP Staff

Ashkan Nassiri
Carol Tucker
David Rahimian
Dawn Cotterell
Iris Castillo
Joe Ramallo
Pjoy Chua
Ramon Gamez
Simon Zewdu
Stephanie Spicer
Steve Baule

Project Team

Daniel Zimny Schmitt, National Renewable Energy Laboratory (NREL)
Megan Day, NREL
Meghan Mooney, NREL
Nicholas Gilroy, NREL
Nicole Rosner, NREL
Patricia Romero Lankao, NREL
Scott Haase, NREL
Christian Mendez, Kearns & West
Jasmine King, Kearns & West
Joan Isaacson, Kearns & West
Cassie Rauser, UCLA
Kelly Trumbell, UCLA
Stephanie Pincetl, UCLA



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Welcome Remarks

Joan Isaacson, facilitator from Kearns & West, welcomed members to the second Los Angeles 100% Renewable Energy Equity Strategies (LA100 Equity Strategies) Advisory Committee meeting and thanked them for joining. Joan Isaacson introduced Simon Zewdu, Director of the Transmission Planning, Regulatory, and Innovation Division at LADWP, who welcomed members to the meeting. Simon Zewdu thanked the Advisory Committee members for participating and emphasized the Equity Strategies process being community-informed. He stated that Equity Strategies analytical work, conducted by the National Renewable Energy Laboratory (NREL) and UCLA, focuses on just energy transitions and outcomes for residential homes, transportation, jobs and workforce development, and other topics. Simon Zewdu also underscored communities equitably sharing the benefits and burdens of the clean energy transition.

Agenda Overview and Meeting Purpose

Joan Isaacson reviewed the agenda and the purpose of the meeting (see slide 3 in Appendix). She explained that the Advisory Committee's role is to help support the implementation of the strategies identified by the Steering Committee. In the Advisory Committee meetings, input from the Steering Committee is shared and Advisory Committee members can provide feedback to fine-tune the strategies. Joan Isaacson reviewed the guides for productive virtual meetings, expressing that the guides are important so the project team can hear from as many Advisory Committee members as possible.

Joan Isaacson explained that ideas from Steering Committee members will be shared in meeting summaries on the website: www.ladwp.com/LA100ES

Upcoming Community Meetings and Listening Sessions

Stephanie Spicer, Community Affairs at LADWP, introduced updates on the Community Meetings and Listening Sessions (see slides 8 to 11 in Appendix), explaining the importance of hearing the voices of community members who are impacted the most.

Paty Romero-Lankao, Equity Strategies Technical Lead from NREL, explained that Community Meetings are being held citywide and all Angelenos are encouraged to attend. The community-specific Listening Sessions are focus groups adapted to each local context.

She noted that Community Meetings will be held on:

- Saturday, February 26, 2022, from 10:00 a.m. to 11:30 a.m.
- Thursday, March 3, 2022, from 6:30 p.m. to 8:00 p.m.

Paty Romero-Lankao asked Advisory Committee members to assist with outreach to ensure broad participation. Paty Romero-Lankao explained that Advisory Committee members are welcome to attend the Community Meetings to observe, but the focus is on community member participation.

Paty Romero-Lankao then described the five Listening Sessions that are planned with underserved Los Angeles communities. She stated that the Listening Sessions will gather ideas on inequities of the energy system and strategies for achieving a just energy transition. The meetings will be held virtually but are focused on neighborhoods including South Los Angeles, East Los Angeles (Eastside), San Fernando Valley, Harbor Region/Port Area, and Southeast Los Angeles. Additionally, Paty Romero-Lankao shared



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that the Listening Sessions will be co-hosted with Steering Committee member organizations with 8-10 community members at each session.

Joan Isaacson invited Advisory Committee members to share their input on the community outreach.

Major Themes from Advisory Committee Questions and Discussion

- What format will the community meetings be? Will they be interactive?
- The San Fernando Valley is 40% of the city's population and includes the neighborhoods most burdened by extreme heat. Why is there only one small community meeting that is San Fernando Valley-focused?
- Do you have specific information for us to share with our community members before the community meetings?
- The website has too much information. Can we have something more condensed, or at least point something out that is a summary?

Charge and Protocols Document

Joan Isaacson reviewed the charge and protocols document and asked if there were any questions, but no responses were shared. She also asked Advisory Committee members to contact Dawn Cotterell at LADWP at dawn.cotterell@ladwp.com if they did not receive the document.

Tenets of Energy Justice – Themes from the Steering Committee

Joan Isaacson introduced the overview of what was heard from the Steering Committee on the tenets of energy justice (see slides 14 to 17 in Appendix). Paty Romero-Lankao shared the definition of energy justice – the goal of achieving equity in both the social and economic participation in the energy system, while also remediating social, economic, and health burdens on those historically harmed by the energy system (“frontline communities”). Paty Romero-Lankao explained that the project team used the three tenets of energy justice to guide the conversation on the equity strategies. She provided key highlights of what was heard from the Steering Committee.

Procedural justice

Paty Romero-Lankao noted several Steering Committee perspectives in which procedural justice includes considering communities contextually, prioritizing historically overburdened communities, defining values, listening to communities on how to implement their priorities, and that a transition period is key to mitigating unintended consequences when executing the plan.

Recognition justice

Paty Romero-Lankao shared several Steering Committee perspectives on recognition justice that include addressing both past and present inequities, identifying unintended consequences to avoid repeating past mistakes, considering the overall cost of transitioning to clean energy for disadvantaged communities, and considering the cumulative impacts of social, environmental, and economic burdens of other systems in disadvantaged communities.

Distributional justice



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Paty Romero-Lankao shared key highlights of Steering Committee perspectives on distributional justice, such as how to implement a just distribution of benefits and negative impacts, balance benefits and impacts, consider unintended consequences like gentrification, and consider the distribution of electric vehicle chargers, battery disposal locations, local Los Angeles solar locations, and jobs and workforce development.

Joan Isaacson asked Advisory Committee members to share feedback or questions on what was shared on the tenets of energy justice. She asked if there are agencies that have specific projects that map to the ideas heard from the Steering Committee.

Major Themes from Advisory Committee Questions and Discussion

- Do LADWP and NREL have metrics to gauge how well we are achieving these tenets of energy justice?
- Has LADWP already presented its current Equity Metrics Data Initiative? Or is this a presentation we can receive soon? I think presenting this information will help us understand what already exists, what's being contemplated, and foster a better iterative process for additional ideas.
- Discussion in the zeitgeist about Well-Being Indexes to help create metrics like this.

Topic-Specific Equity Outcomes

Joan Isaacson introduced the discussion on exploring topic-specific equity outcomes, sharing that Megan Day and Paty Romero-Lankao would co-present on this item. Simon Zewdu noted that the Steering Committee meeting summary was shared with the Advisory Committee prior to the meeting and future summaries will be shared on the website: www.ladwp.com/LA100ES

Megan Day, Equity Strategies Project Manager and NREL Senior Energy Planner, introduced the topics for discussion, highlighting that the Steering Committee was asked what just energy outcomes look like. Megan Day explained that the detailed meeting summary on the Steering Committee discussion will be shared with the Advisory Committee, and NREL will provide a summary of those themes.

Residential Building Efficiency and Electrification

Megan Day overviewed Residential Building Efficiency and Electrification, explaining that equitable deployment of building efficiency includes installing energy-saving equipment and improving building insulation, air sealing, and building electrification (e.g., space heating, water heating, clothes drying, cooking). Paty Romero-Lankao explained that themes were identified by grouping ideas together from what was shared and were then coded by a multi-person team at NREL. She shared high-level themes on residential building efficiency and electrification, including affordable transition, displacement prevention, customer programs, workforce and jobs, habitable space, and measuring inequity (see slides 21-24).

Major Themes from Advisory Committee Questions and Discussion

- Is health a part of this conversation? See the new Stanford study indoor health impacts from the use of gas cooktops in homes: <https://news.stanford.edu/press/view/42487>
- The citywide Housing Element has been adopted by the City of Los Angeles City Council and is awaiting certification from the state. There are two core themes of the zoning strategy for housing capacity over the next eight years: anti-displacement and where we are creating opportunities for new housing (fair share lens) and improving capacity in high opportunity areas. Aligning housing development strategies and renewables strategies would be helpful.



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- There is not a component on the affordability of electricity expressed in the highlights.
- It would be worth doing a deeper dive to understand when people say that they want more financing options for building retrofits whether they mean debt financing (like a C-PACE loan) or grants. If they mean grants, how large would they need to be to incentivize projects like converting to heat pumps (e.g., is a 20% rebate really enough?)
- The approach of having free technical assistance or an “energy concierge” for decision-makers is a smart approach. It’s reasonable for LADWP to fund this deep technical assistance because it’s critical for customer acquisition in its programs. USGBC-LA has a pilot program doing this in the East San Fernando Valley right now with LADWP support.

Commercial Building Efficiency and Electrification

Megan Day overviewed Commercial Building Efficiency and Electrification, explaining that the NREL technical team is looking at electrification and energy efficiency for all types of commercial buildings, including small businesses, office buildings, warehouses, community buildings, large buildings, and others. Paty Romero-Lankao noted the highlights on this topic from the Steering Committee discussion, including affordability, City of Los Angeles infrastructure, programs, and policies; workforce development; and habitable space (see slides 25-26 in Appendix).

Major Themes from Advisory Committee Questions and Discussion

- The Sierra Club is working with environmental justice partners across the Los Angeles region to regulate warehouses and the movement of goods, including indirect sources, to electrify the fleet. The Sierra Club is thinking about how to make that more effective and implement more solar in the infrastructure.
- A motion was introduced in the City Council last week to set Los Angeles on a path toward building decarbonization: https://clkrep.lacity.org/onlinedocs/2022/22-0151_misc_2-9-22.pdf. The motion focuses on new construction, both residential and commercial.
- Efforts occurring at the General Plan level for the Health and Safety Elements are more targeted. The General Plan Update may build upon the work of the City of Los Angeles regarding the Climate Action Plan, climate vulnerability assessments, and land use plans, and this can be examined more when looking at code changes. Work is also being done in conjunction with other departments, including updating existing ordinances with land use. There may also be opportunities to look at commercial buildings.
- A motion has been made to create an environmental justice approach via the City's Climate Emergency Mobilization Office (CEMO) for building decarbonization for both new and existing buildings: https://clkrep.lacity.org/onlinedocs/2021/21-1463_misc_12-8-21.pdf

Local Solar and Storage

Megan Day overviewed Local Solar and Storage, explaining that local solar and storage includes residential and commercial rooftop solar and community or shared solar. Storage refers to residential- or commercial-scale battery storage of electricity. Paty Romero-Lankao organized insights from the Steering Committee around four key highlights. These included affordable transition; City of Los Angeles infrastructure, programs, and policies; socio-spatial distribution of risk, and targeted outreach and implementation of equity (see slides 27-28 in Appendix).

Major Themes from Advisory Committee Questions and Discussion



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- The Sierra Club is interested in amplifying and targeting those that have been unable to participate in clean energy like frontline communities, those in the Harbor Area, or those that haven't participated in any way such as those in South Los Angeles. Sixty percent of Angelenos are renters, so they can't talk about solar meaningfully, or don't have homes that can support solar panels. Make sure investments go to them.
- Los Angeles County Community Solar Opportunity Map: <https://solar.energyatlas.ucla.edu/about.html>
- There are opportunities to connect the deployment of local solar and storage to where these facilities are most impactful in supporting decreased use of gas plants. To the extent that solar and storage can be sited in communities that need them and are also close to the gas plants, this will decrease the use of gas plants incrementally.
- To bring about an equitable transition, we'll need to create a pipeline to supply the prerequisite ecosystem. Will we be looking at how to create a pipeline focused on target populations for the workforce and entrepreneurial opportunities to support the transition?
- Around the affordable transition, how do we maximize benefits? As we are seeking to electrify residential homes, we'd also want to target local solar and storage in these areas, so utility bills don't go up with the increased electrification of their homes and to offset energy costs.

Transportation

Megan Day overviewed Transportation, explaining that clean transportation includes electric vehicles (EVs), trucks, buses, e-scooters, and other alternative fuel vehicles; equipment to charge/fuel them; and active forms of transportation like walking and biking. Paty Romero-Lankao shared several key highlights from the Steering Committee discussion, including environmental risk and opportunities; equitable socio-spatial distribution; City of Los Angeles infrastructure, programs, and policies; workforce development; and targeted outreach and implementation of equity (see slides 29-30 in Appendix).

Major Themes from Advisory Committee Questions and Discussion

- It is understandable why LADWP is focused on electric vehicles (EVs), but why is there no meaningful discussion of active transportation or transit? The people who cannot afford cars today may not be able to afford EVs tomorrow.
- Active transportation can be dangerous in Los Angeles. There are minimal discussions on how people can move around the city without a car.
- Transportation is a major topic of discussion. LADWP is concerned with supporting the additional load with its aging infrastructure but is still pushing to move forward.
- Cost may be prohibitive for EVs. If charging is in all communities, we want to make sure it is serving local neighbors.
- Relatedly, we worked with Representative Barragán to introduce the EVs for All Act, which is an EV car-sharing program for public housing. If anyone is interested in supporting or reading more about this, this came from our EV share pilot with the Housing Authority of the City of Los Angeles (HACLA): <https://lincubator.org/congresswoman-barragan-introduces-first-of-its-kind-bill-to-establish-electric-vehicle-car-sharing-program-for-public-housing/>
- Energy justice and transportation are multifaceted, including walkability and maneuverability. It is important to create opportunities and incentives for EVs. Thinking about the transportation industry, how can Los Angeles get off greenhouse gases and heavy pollutants? Making sure charging infrastructure is set up to accommodate this shift and ensure there is not more diesel in communities is a priority. Most warehouses are in frontline and environmental justice communities.



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Transportation should also focus on those communities, and the city and project team also need to think about green space and walkability.

- Report on Warehouses, Pollution, and Social Disparities: https://earthjustice.org/sites/default/files/files/warehouse_research_report_4.15.2021.pdf
- Regarding EV sharing programs, this needs to be expanded to EV community mobility and not just cars for individual people to borrow but rideshare programs. An example is the City of Huron (<https://www.latimes.com/politics/story/2022-01-10/neglected-california-town-reinvents-itself-with-electric-cars-and-plots-a-roadmap-for-the-nation>). When commutes are long, this program involves providing cars in communities where mobility is an issue. Contributions from manufacturers are also worth considering when thinking about transportation.

Electricity Reliability and Resilience

Megan Day overviewed Electricity Reliability and Resilience and explained that reliability includes how often local electricity outages occur and the ability to connect new technologies like solar energy and EVs to the grid. She also described resilience as the preparation for and capacity to recover quickly from electricity outages. Paty Romero-Lankao shared high-level themes from what was heard in the Steering Committee discussion: affordable transition; technological opportunities and strategies; City of Los Angeles infrastructure, programs, and policies; workforce development; and implementation of equity (see slides 31-32 in Appendix).

Major Themes from Advisory Committee Questions and Discussion

- Regarding green hydrogen, there is a link related to gas system workers and that technology. Green hydrogen won't be used often and only when reliability is needed. It is not planned as a substitute for gas, but hydrogen can be used as the last mile of reliability as we get to 100%. What do we do with hydrogen when it is not being used? Down in the Harbor Area, if the electrolyzer plant were built there, renewable hydrogen could be used and sold to oil companies on an as-available basis. This would replace gas in the refinery with renewable hydrogen such as with Aliso Canyon.
- Scenarios in the Strategic Long-Term Resource Plan include green hydrogen but is this certain? Hesitation around controlling hydrogen and NOX emissions. Are there alternatives to green hydrogen?

Air Quality, Health, and Environment

Megan Day overviewed Air Quality, Health, and Environment, explaining that energy system air quality and health impacts and benefits include particulate matter and ozone from fuel combustion in vehicles and in energy generation. Paty Romero-Lankao shared key highlights from the Steering Committee member discussion including collaboration across sectors and agencies, health and environmental infrastructure strategies, and health impact factors (see slides 33-34 in Appendix).

Jobs and Workforce Development

Megan Day overviewed Jobs and Workforce Development, explaining that clean energy jobs and workforce development refer to access to and training for jobs in energy efficiency and renewable energy. Paty Romero-Lankao shared key highlights from the Steering Committee member discussion including labor and hiring practices, workforce development funding, and targeted education and training (see slides 35-36 in Appendix).



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Major Themes from Advisory Committee Questions and Discussion

- The Utility Pre-Craft Training (UPCT) program is perfect for this opportunity. It is limited to LADWP, but we can modify the program if appropriate. It is a pre-craft trainee program. All that is needed is a driver's license and residence in the County of Los Angeles. The Home Energy Improvement Program (HEIP) program may also fit into this. There are opportunities for people in lesser-served communities. Benefits and living wage are also important to consider.
- Is it possible to have specific job pathways or hiring programs for people living in disadvantaged communities, particularly those where we may be siting new infrastructure so that neighbors benefit more from these investments?
- The support of contractors with strong labor standards and practices is worth emphasizing, particularly for those who come from populations whose workforce represents targeted populations.
- The County-City Just Transition Taskforce on oil and gas jobs that is underway may be good to synchronize with.
- As the Neighborhood Council Sustainability Alliance, CEMO, and Cool City Challenge LA team roll out the hyper-local Cool Blocks neighborhood program, there will be opportunities to pilot car-free zones, microgrids, emergency battery storage/backup generation for resilience, water storage pilots, et al. Opportunities should be explored as blocks are spread all around the city.

Wrap Up and Next Steps

Joan Isaacson shared that the next Advisory Committee meetings will be held on April 27, 2022, and June 29, 2022, from 10:00 a.m. to 12:00 p.m. Subsequent meetings will occur on the fourth Wednesday of the month. Joan Isaacson provided a reminder about the Community Meetings on Saturday, February 26, 2022, from 10:00 a.m. to 11:30 a.m. and Thursday, March 3, 2022, from 6:30 p.m. to 8:00 p.m.

Joan Isaacson also stated that Advisory Committee members are encouraged to contact Dawn Cotterell at dawn.cotterell@ladwp.com prior to meetings with any information, ideas for topics, or questions. Simon Zewdu noted that these efforts will impact communities that have been left out of these discussions and that the importance of the Community Meetings is to identify what energy justice means for Los Angeles communities. Simon Zewdu expressed gratitude to the Advisory Committee members for their participation.



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Appendix A

Advisory Committee Meeting #2
February 16th, 2022
Presentation Slides



NREL
Transforming ENERGY

UCLA



**LA100 Equity Strategies
Advisory Committee Meeting #2
February 16, 2022**



Welcome and Opening Remarks

Los Angeles Department of Water & Power (LADWP) Project Leads



Simon Zewdu
Director
Transmission Planning,
Regulatory, and Innovation Division



Pjoy T. Chua, P.E.
Assistant Director
Transmission Planning,
Regulatory, and Innovation Division



Steve Baule
Utility Administrator
LA100 Equity Strategies Oversight
& UCLA Contract Administrator



Agenda

Start Time	Item
10:00 a.m.	Welcome
10:05 a.m.	Meeting Purpose and Agenda Overview
10:10 a.m.	Roundtable: What are You Hearing about LA100 Equity Strategies?
10:20 a.m.	Upcoming Community Meetings and Listening Sessions
10:35 a.m.	Check-in on Charge & Protocols Document
10:40 a.m.	Tenets of Energy Justice—Themes from the Steering Committee
10:55 a.m.	Topic-Specific Equity Outcomes—What We Heard and Considerations for Analysis
11:55 a.m.	Wrap Up and Next Steps



Our Guide for Productive Meetings



Raise your hand
to join the
conversation
(less chat
entries, more
talking)



Help to make
sure that
everyone has
equal time to
contribute



Keep input
concise and
focused so that
others have
time to
participate



Actively listen to
others to
understand their
perspectives



Offer ideas to
address others'
questions and
concerns



Roundtable



An aerial photograph of Los Angeles, California, showing a dense urban landscape with various buildings, streets, and green spaces. In the background, a range of mountains is visible under a clear sky. A prominent green horizontal band is overlaid across the middle of the image, containing white text.

What are you hearing about

LA100 Equity Strategies *in the community?*

Upcoming Community Engagement

Community Meetings and Listening Sessions



Community Meetings

&

Listening Sessions



Citywide community meetings are public events where all Angelenos are encouraged to attend, give input, and participate in LA100 Equity Strategies.



Community-specific listening sessions are a form of focus group, adapted to each local context, aiming to understand the energy priorities and needs of 8–10 participating community members.





Community meetings and listening sessions will *gather input from the public and inform the analysis.*

Community Meetings

Community Meeting Dates

- **Saturday, February 26, 10:00 a.m. – 11:30 a.m. PT**
 - ✓ (English with Spanish translation)
- **Thursday, March 3, 6:30 p.m. – 8:00 p.m. PT**
 - ✓ (Spanish with English translation)



Advisory and Steering Committee outreach help needed to ensure broad participation.

LADWP will share invitations and registration links via email.



Please share with your communities!

Advisory Committee members are welcome to attend and observe these meetings, but we respectfully ask you not to participate.



Listening Sessions



5 Listening Sessions

- Conducted with *underserved LA communities*
- Will gather ideas on *energy system inequities* and *strategies for achieving a just energy transition*

Proposed approach

- Energy justice community-specific meetings **held virtually** but focused on neighborhoods including
 - South LA
 - East LA (Eastside)
 - San Fernando Valley
 - Harbor Region/Port Area
 - Southeast LA
- Co-hosted with Steering Committee member organizations
- 8 – 10 participants
 - Drawn from Steering Committee member organization constituents



An aerial photograph of a city, likely Los Angeles, showing a dense urban landscape with various buildings, streets, and green spaces. In the background, a range of mountains is visible under a clear sky. A prominent green banner is overlaid across the middle of the image, containing the text "Discussion / Q&A".

Discussion / Q&A

An aerial photograph of a city, likely Los Angeles, showing a mix of residential and commercial buildings, streets, and greenery. In the background, a range of mountains is visible under a clear sky. A prominent green rectangular overlay is positioned in the upper left quadrant, containing white text. The text is arranged in two lines: the first line reads 'Charge & Protocols' and the second line reads 'Discussion / Q&A'.

Charge & Protocols Discussion / Q&A

Tenets of Energy Justice

What We Heard





Energy justice

Refers to the goal of achieving equity in both the **social** and **economic** participation in the energy system, while also **remediating** social, economic, and health **burdens** on those historically harmed by the energy system (“frontline communities”)

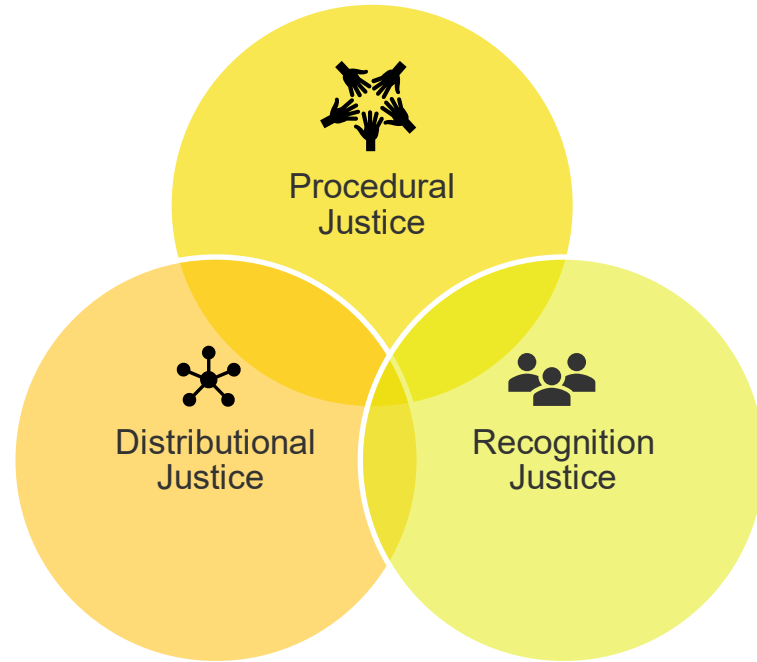
(Initiative for Energy Justice)

**LA100
Equity
Strategies
is organized
around
three tenets
of justice**

Enable **community leadership** in the process

Ensure **just and equitable distribution** of benefits and negative impacts of clean energy transition

Understand and address past and current energy inequities



Tenets of Energy Justice | What We Heard



Procedural Justice

- Critical for *community leadership*
- Define “community” contextually
 - *Who?*
 - *Where* from?
 - *Role* in decision making?
- Prioritize *historically overburdened communities*
- Define our *values*
- Listen to communities - how to *implement community priorities*
- *Execution plan* is critical
 - *Transition period* key to mitigating unintended consequences on overburdened communities



Recognition Justice

- Support addressing both past & present inequities in definition
- Unintended consequences
 - Risk of repeating past mistakes & unintended injustices
- Cost factor
 - Consider overall cost of transitioning for disadvantaged communities
- Consider cumulative impacts of social, environmental, & economic burdens of other systems in disadvantaged communities



Distributional Justice

- *How* are we going to implement a just distribution of benefits & negative impacts
- How to *balance* benefits & impacts
 - Negative impacts mitigated by new benefits
- Consider unintended consequences
 - e.g., gentrification
- Consider distribution of:
 - Electric vehicle (EV) chargers
 - Battery disposal locations
 - Local LA solar locations
 - Jobs/Workforce development



Exploring Topic-Specific Equity Outcomes

What We Heard



An aerial photograph of a city, likely Los Angeles, showing a dense urban grid. The image is partially obscured by a large green rectangular overlay on the left side. The right side of the image shows a bright, hazy sunset or sunrise over the city.

For each topic, we asked the Steering Committee:
What do just energy outcomes look like?

Ideas were captured on white boards and will be used to inform strategy analysis pathways.

Meeting notes will be shared with Advisory Committee.

Topics:

What do just energy transitions and outcomes look like in:

- Residential buildings
- Commercial buildings
- Local solar and storage
- Transportation
- Electricity reliability and resilience
- Air quality, health, and environment
- Jobs and workforce development



Residential Building Efficiency & Electrification

- Building efficiency includes installing energy saving equipment, improving building insulation, and air sealing.
- Building electrification includes electrification of space heating, water heating, clothes drying, and cooking.



What do *just energy outcomes* look like for homes and households?



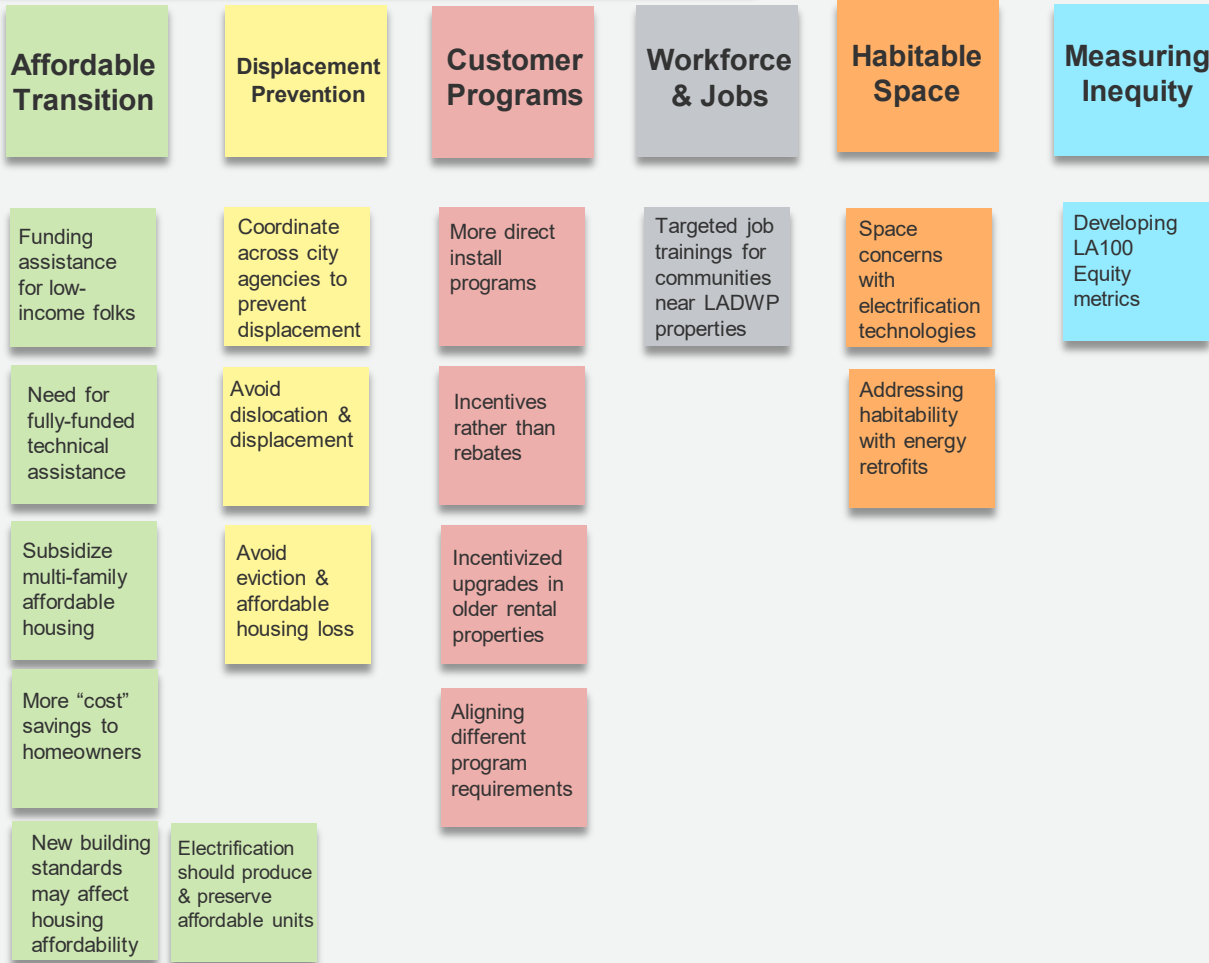
Key Takeaways

Residential Building

Efficiency & Electrification



↑
Steering Committee Ideas



Key Takeaways

Residential Building

Efficiency & Electrification



↑
Steering Committee Ideas

	Affordable Transition	Displacement Prevention	Customer Programs	Workforce & Jobs	Habitable Space	Measuring Inequity
	Funding assistance for low-income folks	Coordinate across city agencies to prevent displacement	More direct install programs	Targeted job trainings for communities near LADWP properties	Space concerns with electrification technologies	Developing LA100 Equity metrics
	Need for fully-funded technical assistance	Avoid dislocation & displacement	Incentives rather than rebates		Addressing habitability with energy retrofits	
	Subsidize multi-family affordable housing	Avoid eviction & affordable housing loss	Incentivized upgrades in older rental properties			
	More "cost" savings to homeowners		Aligning different program requirements			
	New building standards may affect housing affordability	Electrification should produce & preserve affordable units				

Residential Building Efficiency & Electrification

Highlights



Affordable Transition

“Need for fully-funded technical assistance”

Displacement Prevention

“Coordinate across city agencies to prevent displacement”

Customer Programs

“Incentives rather than rebates”

Workforce & Jobs

“Targeted job trainings for communities near LADWP properties”

Habitable Space

“Addressing habitability with energy retrofits”

Measuring Inequity

“Developing LA100 Equity metrics”

Commercial Building Efficiency & Electrification

- Building efficiency includes installing energy saving equipment, improving building insulation, and air sealing.
- Building electrification includes electrification of space heating, water heating, clothes drying, and cooking.



|



What do *just energy outcomes* look like for schools, community buildings, and local businesses?



Commercial Building Efficiency & Electrification

Highlights



Affordable Transition

“New financing models to ameliorate upfront cost concerns”

City Infrastructure, Programs, & Policies

“City buildings should be the example”

Workforce Development

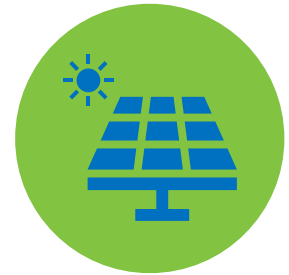
“Community LADWP job entry in commercial direct install programs”

Habitable Space

“Heat pumps are more efficient than air conditioners”

Local Solar & Storage

- Local solar includes residential and commercial rooftop solar and community or shared solar.
- Storage refers to residential- or commercial-scale battery storage of electricity.



What do *just energy outcomes* look like in design and deployment of solar and storage?



Local Solar & Storage

Highlights



Affordable Transition

“Increase financial benefits to community solar participants”

City Infrastructure, Programs, & Policies

“Technical assistance on both solar and storage”

Socio-spatial Distribution of Risk

“Consider community impact of storage location”

Targeted Outreach & Implementing Equity

“Increase solar/storage options outreach in low-income communities of color”

Transportation

- Clean transportation includes
 - electric cars, trucks, buses, and e-scooters, and other alternative fuel vehicles
 - equipment to charge/fuel them
 - and active forms of transportation like walking and biking.



What do *just energy outcomes* look like in the transition to clean transportation?



Transportation

Highlights



Environmental
Risk &
Opportunities

“Reducing
greenhouse gas
emissions”

Equitable Socio-
spatial Distribution

“EV charging
stations distributed
equitably across
communities”

City Infrastructure,
Programs, and
Policies

“EV sharing
programs”

Workforce
Development

“1:1 transition:
heavy industry
workers to green
hydrogen”

Targeted Outreach
& Implementing
Equity

“Set up low-
income
communities for
EV infrastructure”

Electricity Reliability & Resilience

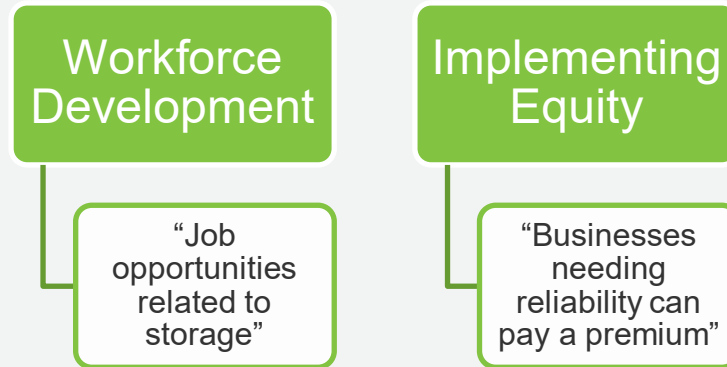
- Electricity reliability includes how often there are local electricity outages and the ability to connect new technologies like solar energy and electric vehicles to the grid.
- Resilience refers to the preparation for and capacity to recover quickly from electricity outages.



What do *just energy outcomes* look like in reliability and resilience?



Electricity Reliability & Resilience

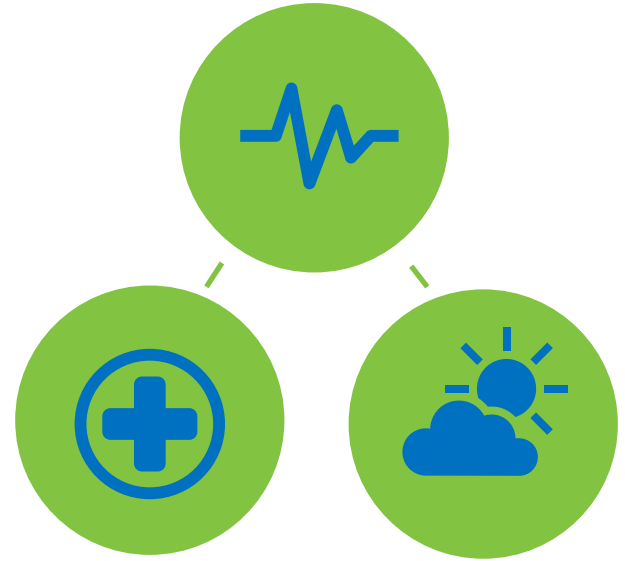


Highlights



Air Quality, Health, & Environment

- Energy system air quality and health benefits and burdens include particulate matter and ozone from fuel combustion in vehicles and in energy generation.



What do *just energy outcomes* in air quality, health, and environment look like?



Air Quality, Health, & Environment

Highlights



Collaboration
Across Sectors &
Agencies

“Need for
partnerships across
citywide agencies”

Health &
Environmental
Infrastructural
Strategies

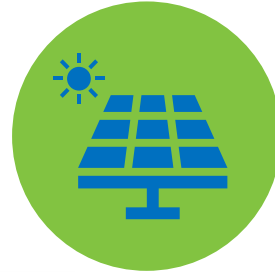
“Electrifying
transportation will
reduce greenhouse
gases”

Health Impact
Factors

“Biggest health
danger from
transportation”

Jobs & Workforce Development

- Clean energy jobs and workforce development refers to access to—and training for—jobs and career pathways in energy efficiency and renewable energy.



What do *just energy* jobs and workforce development outcomes look like?



Jobs & Workforce Development

Highlights



Labor & Hiring Practices

“Expand Utility Pre-Craft Trainee Program (UPCT): successful model to scale up”

Workforce Development Funding

“Support contractors with strong labor standards & practices”

Targeted Education & Training

“Paid apprenticeship training programs & intentional gender inclusivity”

Wrap Up and Next Steps



Going Forward

Agenda and discussion topics decided in collaboration with the Steering Committee

Advisory Committee Meetings

April 13, 2022

Virtual

- Initial feedback on strategy modeling and analysis pathways to achieve prioritized equity outcomes
- Review of initial findings on factors contributing to current energy inequities

June 8, 2022

Virtual

- Refining a plan for modeling and analysis for strategy development

Subsequent Meetings

- **Second Wednesday of every other month, 10:00 a.m. – 12:00 p.m. PT**
- **Virtual** for near-term



Reminder **Community Meetings**

Community Meeting Dates

- **Saturday, February 26, 10:00 a.m. – 11:30 a.m. PT**
 - ✓ (English with Spanish translation)
- **Thursday, March 3, 6:30 p.m. – 8:00 p.m. PT**
 - ✓ (Spanish with English translation)



Advisory and Steering Committee outreach help needed to ensure broad participation.

LADWP will share invitations and registration links via email.



Please share with your communities!

Advisory Committee members are welcome to attend and observe these meetings, but we respectfully ask you not to participate.



Thank you!
