

Exploring Equity Considerations in North America's Clean Energy Transition

Corporate Action on Just Transition

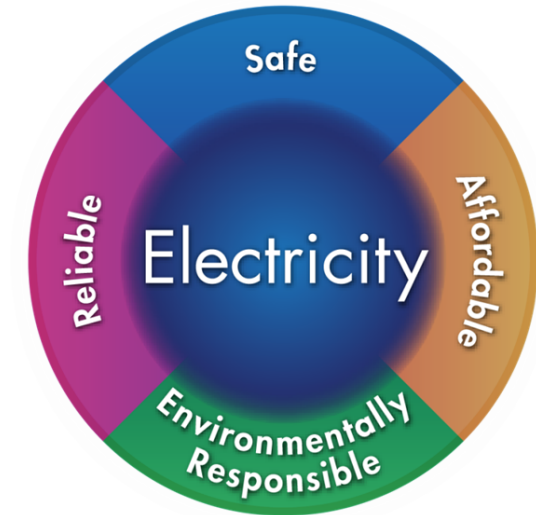
*European Roundtable on Climate Change and
Sustainable Transition*

September 2021



About EPRI

- A non-advocacy, nonprofit, scientific research organization with a public benefit mandate
- Collaborating with members and other stakeholders to address R&D needs
- Applying innovative ideas to solve industry challenges
- Providing fact-driven research results to inform decision making for the benefit of the public



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People & Performance



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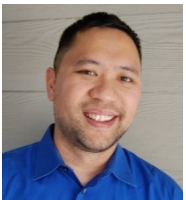
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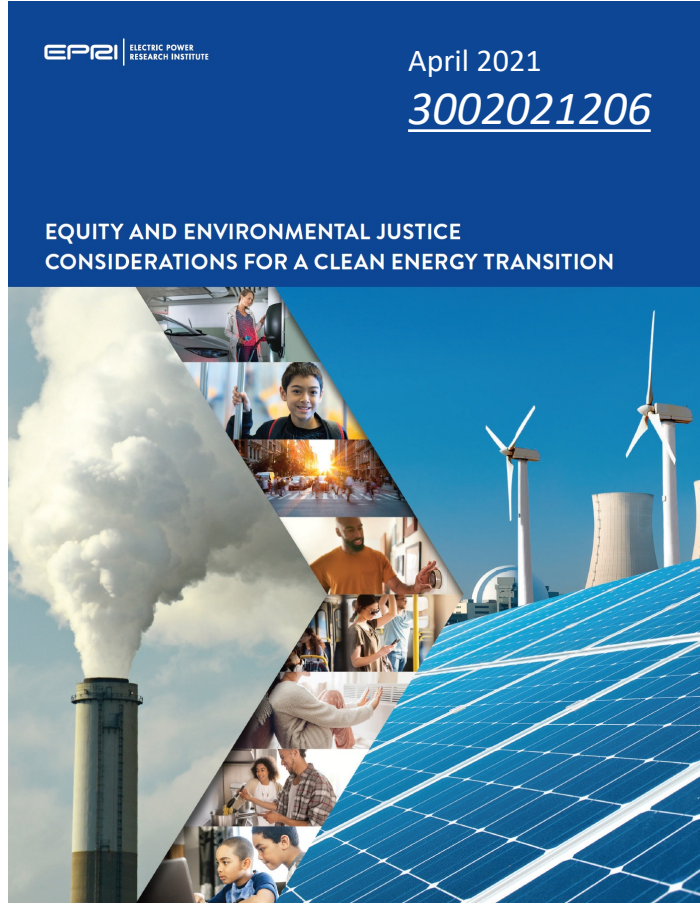


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Technology Innovation



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Nuclear

April Publication Key Insights



Disadvantaged communities can benefit from the clean energy transition.



Public and private sector decision-making will directly impact equity and environmental justice.



Ensuring distributive and procedural justice is important to a beneficial transition.

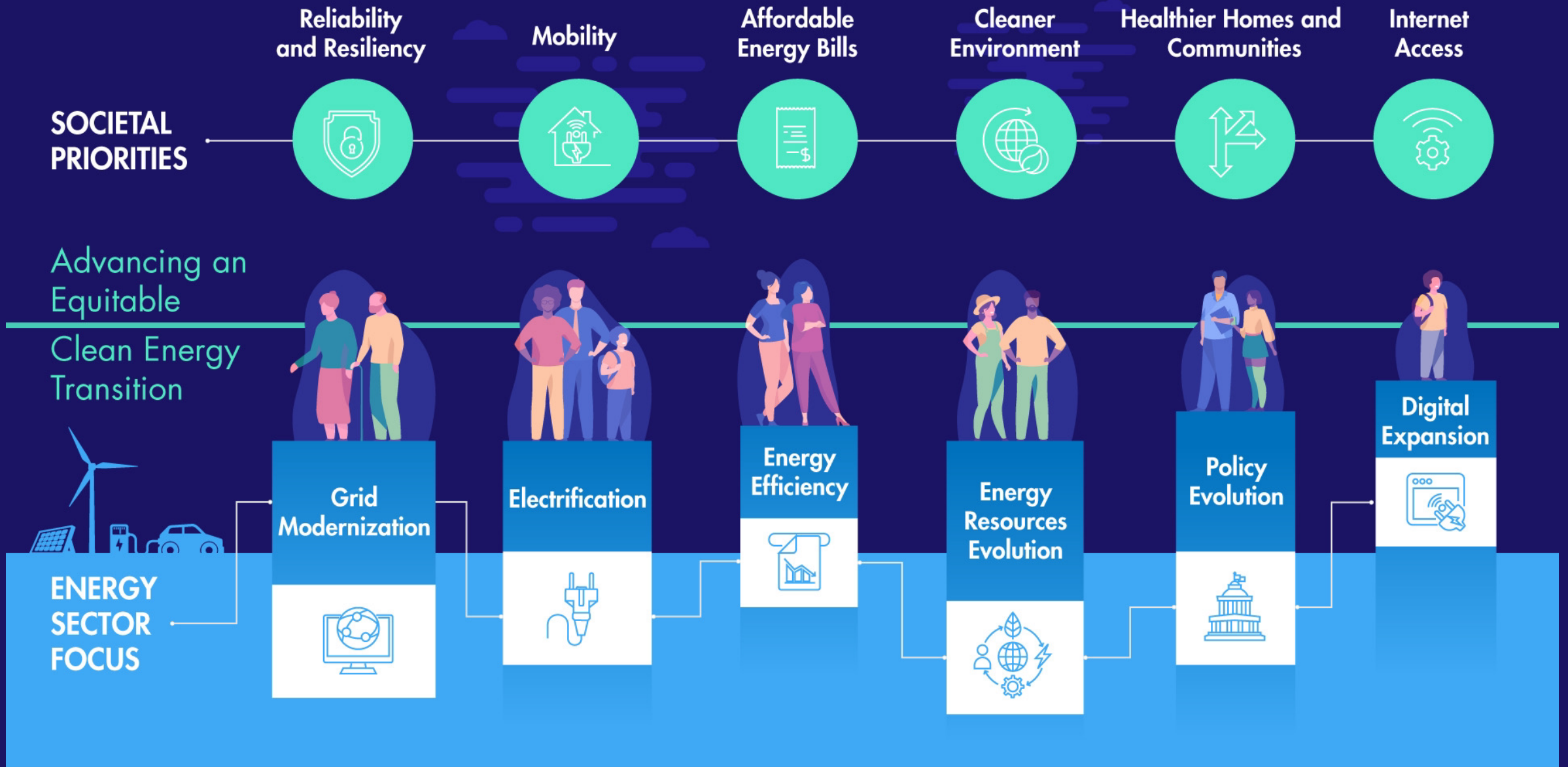


Collaborative R&D is critically important to transition to a clean energy future and to meeting decarbonization goals while addressing reliability, affordability, and social equity.



New analytical tools and demonstration projects can deliver early benefits.

More Research and Engagement is Needed



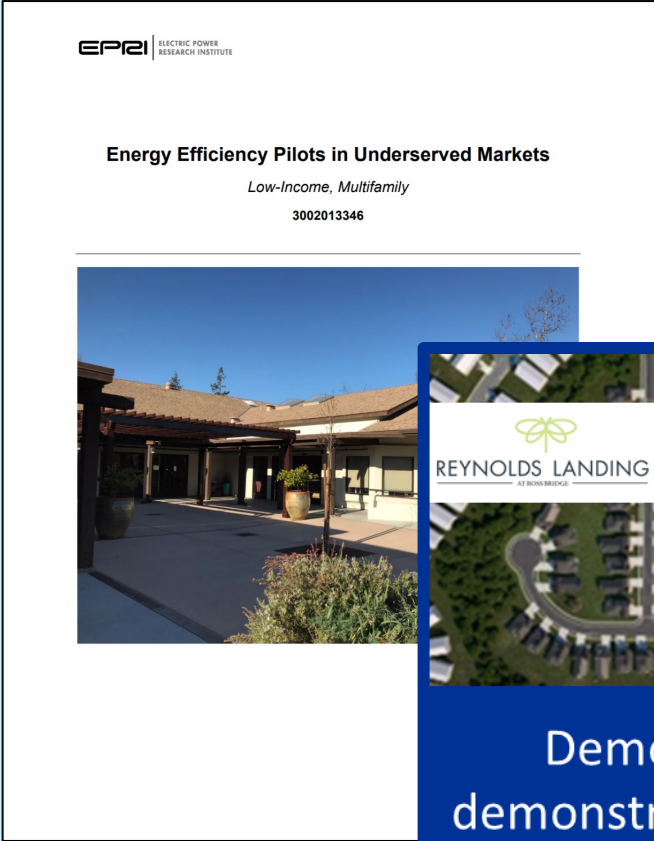
Delivering Early Benefits Through Demonstrations

Indoor Agriculture



Technical Lead: Frank Sharp

Advanced Energy Communities



Demonstrations demonstrate decarb and resiliency co-benefits!

Technical Lead: Ram Narayanamurthy

Equitable Decarbonization Interest Group



EPRI | ELECTRIC POWER RESEARCH INSTITUTE

EPRI Equitable Decarbonization INTEREST GROUP

Accelerating the clean energy transition presents opportunities to advance disadvantaged communities that have historically borne many of the costs and realized few of the benefits of energy system development. Low-carbon electric power and efficient electrification are at the core of this transition. Disadvantaged communities could either be elevated or largely left behind by this transition. The equitable distribution of benefits depends on how power sector leaders shape electrification initiatives, energy efficiency programming, digital transformation efforts, grid modernization, and power generation transitions. Focusing on community co-development and moving equity to the center of decision making are key to driving a more just transition and addressing existing institutional factors that have contributed to disparate impacts from energy system development. Collaborative R&D, including public-private and economy-wide coordination and facilitated dialogue, will be critical to building the analyses, tools, and technologies enabling a cleaner energy future while addressing reliability, affordability, and equity.

Equitable Decarbonization INTEREST GROUP

Vision and Goal

The establishment of a new Equitable Decarbonization Interest Group (EDIG) is the cornerstone of EPRI's 2021 Equitable Decarbonization Initiative, which is designed to jumpstart equity conversations, identify research gaps, and assess EPRI research capability to lay the foundation for a new, multi-year research effort. This collaborative, comprised of energy companies and industry stakeholders including academics, NGOs, regulators, and community leaders, is designed to facilitate sharing and development of leading practices; elevate leadership through a commitment to collaborative dialogue and research; explore metrics and screening tools to better understand environmental justice, energy burden, energy insecurity, energy access, and energy poverty; and facilitate stronger, more inclusive community advisory structures. EDIG participants can take part in various engagement activities and help inform the development of EPRI's research roadmap and a white paper exploring case studies and leading practices of participating companies and stakeholders (planned publication Q1 2022).

2021 Engagement

As a participant in EPRI's Equitable Decarbonization Interest Group, you may be able to participate in:

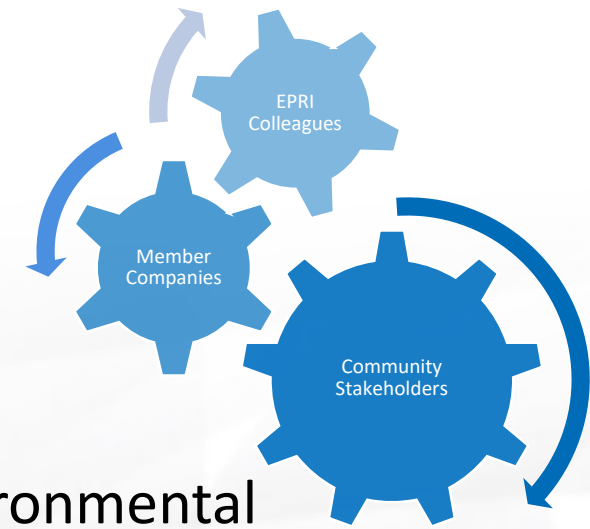
- 2021 Speaker Series:** A three-part webcast speaker series open to all EPRI members and the public will provide an opportunity to learn from leading researchers and practitioners in various areas of equity and community engagement for decarbonization.
- 2021 Energy Company Discussion Series:** Three unrecorded discussion series sessions will be open to EPRI member Primary Advisors for this interest group as a means to convene a candid conversation and leading practice sharing pertaining to the topics explored in each speaker series session.
- Technical Workshop Series:** A set of workshops with representatives from EPRI member companies and various industry stakeholders will be designed to explore equity and environmental justice implications associated with various technological approaches to decarbonization (e.g., electrification of the fleet; energy efficiency programming; renewables siting) and potential research needs.

FOCUS

- Healthier Homes and Communities
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- Policy Evolution
- Digital Expansion

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June 2021



- Three-part **Speaker Series** – Hear from experts advancing environmental and energy justice research and initiatives
- Six **Technical Workshops** – Explore with peers and industry stakeholders the research gaps related to various technological areas
- Three **“Coffee & Conversation”** – Share lessons learned and leading practices with peers

Convene a Dialogue | Develop a Roadmap

A blue-tinted photograph of four people, two men and two women, standing in a row. They are all smiling and looking towards the camera. The man on the far left has curly hair and wears glasses and a white lab coat with the EPRI logo. The man next to him has short dark hair, wears glasses, a white lab coat, and a tie. The woman next to him wears a white hard hat, safety glasses, a dark polo shirt with the EPRI logo, and a dark vest. The man on the far right has a beard, wears glasses, and a light blue button-down shirt. They are all holding papers or documents. The background is a solid blue color.

Together...Shaping the Future of Electricity