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Building Decarbonization and Local Governments

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Overview

- Roadmap to Building Decarbonization
- Local Government Role in Decarbonization
- Local Government Opportunities
- Where Local Government Needs Support

Building Decarbonization Roadmap

- Phase 1: Market Readiness
- Phase 2: Market Deployment
- Phase 3: Scaling the Market

Local Government Role in Decarbonization

- **Connecting with Stakeholders**
 - Ensuring equitable local solutions
- **Lead by Example**
 - Decarbonize their own buildings and processes
- **Innovating and Piloting Solutions**
 - Establish best practice
- **Inform the State**
 - Share what they've learned

Local Government Decarbonization Opportunities

Community and Project Engagement

- Understanding Community-Specific Needs
- Educating Residents on Technology Options
- Discussions with Developers and Designers

Regional Regulatory Influence

- Appliance Emissions Standards
- Advocate for Incentive Programs
- CEQA Guidelines

Municipal Policy

- Leadership on Public Buildings and Microgrids
- Impose Mitigation Fees
- Incentive Programs

Local Building Codes

- Reach Codes
- Health and Safety Codes

Where Local Government Needs Decarbonization Support

- Direction and Scale
- Regulatory Support
- Municipal Practice and Policy
- Building Codes

Where Local Government Needs Decarbonization Support

Direction and Scale

- Clear, Time Bound Expectations
- Educating Residents on Technology Options
- Purchasing & Financing
 - Incentives for Panel Upgrades
 - Low-cost, Accessible Financing
 - Tariffed On-Bill
 - Bulk Purchasing Discounts

Where Local Government Needs Decarbonization Support

Regulatory Support

- Decarbonization-Aligned:
 - Affordable Rate Reform
 - Funding and Standards for Affordable Housing
 - Incentive Programs
 - Technical Assistance
- Recognize & Monetize Electric Appliances as Grid-integrated, Distributed Energy Resources
- Clarified Authority for Unregulated Appliances

Where Local Government Needs Decarbonization Support

Municipal Practice and Policy

- Electric Appliance Procurement Support
 - Leveraged Procurement Agreements
 - Bulk Purchase Opportunities
- Centralized Information Resource on Opportunities and Best Practices, including:
 - Permit Data
 - Existing Infrastructure Maps
 - Panel Upgrade Needs

Where Local Government Needs Decarbonization Support

Building Codes & Appliance Standards

Statewide Energy and Green Buildings Codes and Standards that Prioritize:

- Emission Reduction
- Occupant Health, and
- Resilience
- New Construction Zero Emission Building Code
 - Residential no later than 2025
 - Commercial sector no later than 2028
- Updated Emissions Standards for Combustion Appliances, including Zero Nitrogen Oxide Emissions
- Existing Building Emission Reduction Standards
 - 2025: 20% Greenhouse Gas (GHG) reductions
 - 2030: 40% GHG reductions
 - 2045: 100% GHG reductions





Thank you!

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