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Barriers Study Implementation Update

Joint Agency Workshop on Clean Energy in Low-Income Multifamily Buildings

May 30, 2018

Michael J. Sokol
California Energy Commission





SENATE BILL 350:

The Clean Energy and Pollution Reduction Act of 2015

- **50% renewable energy by 2030**
- **Doubling energy efficiency savings by 2030**
- **Encourages widespread transportation electrification**
- **Integrated resource planning to reduce greenhouse gas emissions**
- **Address barriers for low-income residents & disadvantaged communities**



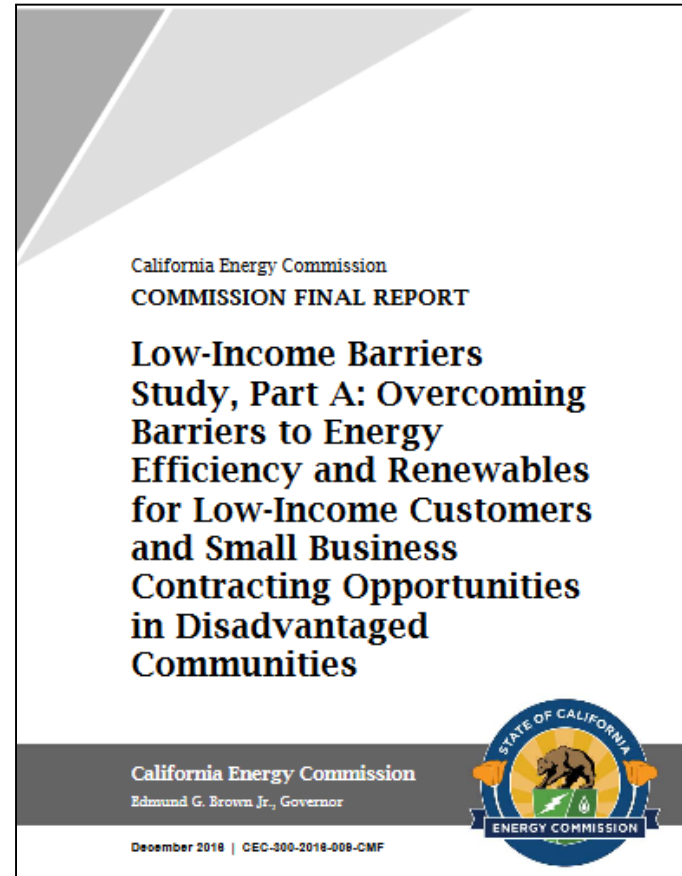


Low-Income Barriers Study

“conduct and complete a study on...
Barriers to, and opportunities for, solar
photovoltaic... other renewable energy
by low-income customers... contracting
opportunities for local small businesses
in disadvantaged communities... energy
efficiency and weatherization
investments...”

Report adopted December 14, 2016

http://www.energy.ca.gov/sb350/barriers_report/



*California Air Resources Board Barriers Study, Part B, available at
<https://www.arb.ca.gov/msprog/transoptions/transoptions.htm>



Structural Barriers

- Low home ownership rates
- Complex needs, ownership, and financial arrangements for low-income multifamily housing
- Insufficient access to capital
- Building age
- Remote or underserved communities
 - High heating / cooling costs
 - Limited access to utility efficiency programs





Program / Policy Barriers

- Market delivery
- Program integration
- Data limitations
- Unrecognized non-energy benefits





Principal Recommendations

- **Establish a coordinating task force**
 - **Key Focus on Addressing Issues in Multifamily Buildings**
- **Enable the economic advantages for community solar**
- **Strategize on effective green workforce and education goals in disadvantaged communities**
- **Continue developing a series of energy upgrade financing pilot programs**
- **Collaboration to establish common metrics and collect and use data systematically across programs**



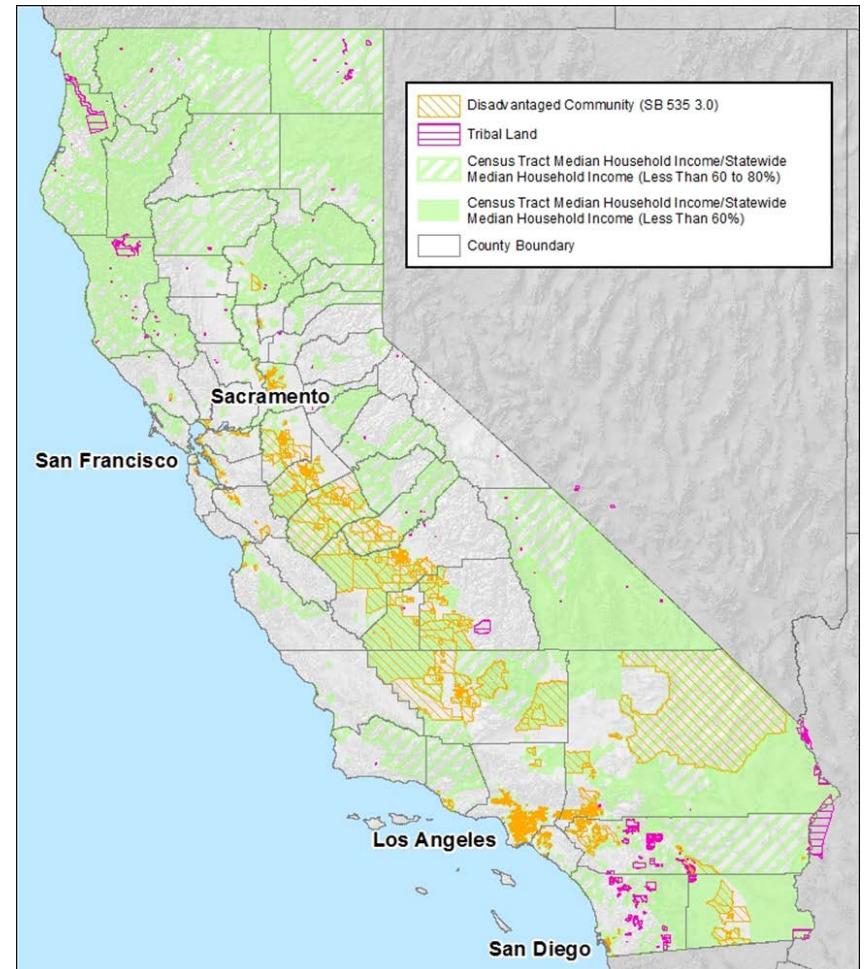
Additional Recommendations

- **Expand opportunities for renewable energy**
- **Enhance affordable housing tax credits/credit enhancements supporting clean energy upgrades**
- **Establish a pilot program for multiple regional one-stop shops**
- **Heightened consumer protection**
- **Collaboration with qualified CBOs**
- **Research, development, demonstration, and market facilitation programs include targeted benefits**
- **In-depth study to increase contracting opportunities**



Energy Equity Indicators

- Initial [staff draft paper](#) posted in May 2017
- Draft [tracking progress](#) published in April 2018
- Final tracking progress expected in June
- Move to interactive mapping tool
- Annual updates moving forward



California Tribal Lands, SB 535 Disadvantaged Communities, and Low-Income Communities

Source: Energy Commission Tracking Progress Report



Disadvantaged Community Advisory Group

- “Establish an advisory group consisting of representatives from disadvantaged communities... shall review and provide advice on programs proposed to achieve clean energy and pollution reduction...” PUC § 400(g)
- Kickoff meeting held April 2018 in Sacramento, future meetings at least quarterly
- More info at: <http://www.energy.ca.gov/sb350/DCAG/>





Next Steps

- Participate in future interagency task force meetings to support implementation of Barriers Study recommendations
- Continue coordination with other state and local agencies and key stakeholders
- Regional community outreach as needed
- Tracking progress on energy equity and SB 350 goals



Questions / Comments



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